Undergraduate Academic Catalogue
Bulletin 76



The University of North Carolina Wilmington undergraduate catalogue is a valuable resource intended for use by prospective and currently enrolled students, faculty, advisors and staff. The catalogue provides information regarding the University's curriculum, academic policies and regulations, degree program requirements and course offerings. In addition, information about admission procedures, financial aid, university

facilities and resources, student life, and a Faculty Directory are also included. Enrolled students are strongly encouraged to use the catalogue in addition to consulting with their advisors when planning their academic programs. The catalogues are updated and published annually each summer for the upcoming academic year, which begins in the Fall.

Commitment to Equal Opportunity

The University of North Carolina at Wilmington is committed to and will provide equality of educational and employment opportunity for all persons regardless of race, sex, sexual orientation, gender identity or expression, marital status, pregnancy, age (40 or older), color, national origin, ethnicity, religion, sexual orientation, political affiliation, National Guard or veteran status, military service member status, genetic information, disability or relationship to other university constituents – except where sex, age, or ability represent bona fide educational or occupational qualifications or where marital status is a statutorily

established eligibility criterion for State funded employee benefit programs.

Information

University of North Carolina Wilmington	(910) 962-3000	https://www.uncw.edu
Admissions	(910) 962-3243	https://www.uncw.edu/admissions
Scholarships & Financial Aid	(910) 962-3177	https://www.uncw.edu/finaid
Office of the Registrar	(910) 962-3125	https://www.uncw.edu/reg

Disclaimer

Although the University of North Carolina Wilmington has made every reasonable effort to

attain factual accuracy in this catalogue, no responsibility is assumed for editorial, clerical or posting errors, or errors occasioned by mistakes. The university has attempted to present information that, at the time of preparation, most accurately describes the course offerings, faculty listings, policies, procedures, regulations and requirements of the university. However, it does not establish contractual relations. The university reserves the right to alter or change any statement contained herein without prior notice.

The contents of this catalogue reflect the most current information. Any modifications from the date of publication are archived in the Addendum to the 2025-26 catalogue. Items that have been edited are marked as such.

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pertaining to the contents or access to documents cited may be directed to that office.

Table of Contents

About the University 1

About the University of North Carolina Wilmington 23

About the University of North Carolina System 25

Administrative Officers of the University of North Carolina Wilmington 27

Board of Trustees for the University of North Carolina Wilmington 32

The Community of Scholars at UNCW 32

The Faculty at UNCW 32

Faculty Awards at UNCW 33

Global Partnerships and International Education 35

German Studies Consortium 37

Portuguese Exchange 37

Russian Studies Consortium 37

Scholar Resource Units 38

UNC Language Assembly Exchange 40

University Calendar 41

Financial Information 48

Assistantships and Employment 64

Health Insurance 65

Office of Financial Aid 66

Orientation 68

On-Campus Housing - Room Rates 69

On-Campus Required Housing – Meal Plans 70

Policy on Return of Title IV Funds 72

Scholarships and Awards 72

Student Loans 79

Tuition, Fees and Policy 80

Veteran's Benefits 88

Voluntary On-Campus Housing or Off-Campus Living – Meal Plans 89

UNCW OneCard 92

University Owned and Managed Housing 92

The Campus & Student Life 93

Academic and Student Support Resources 129

ADA & 504 Compliance 138

Co-Curricular Activities 138

Career Center 139

Fisher University Union 139

Information Technology Services 141

UNCW Library 142

University Learning Center 144

University Testing Services 145

Athletics 146

The Campus 148

Campus Arts and Entertainment 150

Campus Activities and Student Involvement 154

Campus Recreation 163

Disability Resource Center 164

Military and Veteran Support Services 165

Multicultural Student Resource Centers 166

Office of the Dean of Students 168

Office of Title IX and CARE 169

Outreach 170

Special Academic Centers 172

Center for Education in Science, Technology, Engineering, Mathematics - CESTEM 175

Center for Innovation and Entrepreneurship 176

Center for Marine Science 176

Small Business and Technology Development Center (SBTDC) 178

Swain Center for Executive Education 179

Student Awards and Honor Societies 179

Student-Athlete Support Services (SASS) 184

Student Health 187

Student Organizations 192

Transition Programs 202

University Admission Requirements 202

Application Deadline and Notification Dates 214

Admission – Audit Students 216

Admission – Dual–Enrolled High School Students 217

Admission – First-Year Students 218

Admission – Graduate Students 220

Admission – International Students 220

Admission – Professional Colleges, Schools, and Select Programs 221

Admission – Re-Enrolling Students 221

Admission – Senior Citizens (65+ years of age) Tuition Free Audit 224

Admission – Special Undergraduate Students 224

Admission – Transfer Students 225

Admission – Visiting Students 226

Medical History Form and Immunization Record 227

Online Accelerated Program 229

Safety and Health Program 229

Unclassified Enrollment Permission 230

University Regulations 230

Academic Honor Code 258

Academic Honor Societies 259

Academic Standing and Accreditation 265

Advising 266

Auditing 268

Cancellation of Course Registration Policy 272

Change of Major or Minor 272

Change of Name, Address, or Telephone 273

Class Attendance 273

Classification of Students 273

Code of Student Life 274

Conversion from Unclassified Status 274

Credit for Prior Learning 275

Dean's List 279

Declaration of Major 280

Degrees with Distinction 280

Determining Enrollment Status 281

E-Mail 281

Equal Opportunity, Diversity, and Unlawful Harassment 282

Final Examination Policy 287

Grade Appeal Procedure 288

Grades and Reports 289

Indebtedness 291

Interinstitutional Placeholders 291

Internships 291

Isaac Bear Early College High School Students 292

Off-Campus Courses 292

Pass/Fail Courses 292

Placement by Examination 293

Policy Statement on Illegal Drugs 294

Posthumous Degree 294

Progress Toward Graduation in Four Years 297

Registration 297

Release of Directory Information 297

Repeating of Courses 300

Requirements for a Double Major or a Double Degree 301

Requirements for Another Baccalaureate Degree 301

Requirements for Graduation 302

Residency Requirement 303

Retention, Dismissal and Re-Enrollment 303

Reverse Transfer Program 306

Service-Learning 306

Student Conduct 307

Student Gender-Based/Sexual Misconduct Policy 307

Supplemental Credit 308

Transcripts 308

Transfer of Credit 309

UNCW Policy on Defining a Credit Hour 310

Withdrawal Policy for Undergraduate Students 310

Center for Academic Advising 312

Center for Academic Advising 313

Center for Academic Advising Curriculum 317

About the Center for Academic Advising 318

Pre-Professional Programs 319

University Studies 321

Degree Programs and Requirements 344

Departmental Honors 347

Directed Individual Study 348

Distance Education Programs 348

Distance Education, Joint and Pre-Professional Programs 349

Enrichment Courses and Programs 352

Course Descriptions 358

Field Experiences 1238

Graduate Course Credit 1238

Honors College 1239

Admission to Honors College 1246

Honors Courses 1246

Honors Global Citizen Recognition 1247

Program Requirements for Graduation with University Honors 1248

Program Requirements for Graduation with Bridge Honors (transfer students only) 1249

Sandpiper Hall 1249

The North Carolina Child Welfare Education Collaborative 1250

Honors College 1250

Cameron School of Business 1255

–Cameron School of Business 1350

College of Health and Human Services 1350

–College of Health and Human Services 1526

College of Humanities, Social Sciences, and the Arts 1526

–College of Humanities, Social Sciences, and the Arts 1925

College of Science and Engineering 1925

–College of Science and Engineering 2238

Watson College of Education 2238

–Watson College of Education 2340

Faculty Emeriti 2340

Special Academic Programs 2349

Distance Education Programs 2349

Addendum 2352

About the University

History of The University of North Carolina System

In North Carolina, all the public educational institutions that grant baccalaureate degrees are part of the University of North Carolina. The University of North Carolina Wilmington is one of the 17 constituent institutions of the multi-campus state university. The University of North Carolina, chartered by the N.C. General Assembly in 1789, was the first public university in the United States to open its doors and the only one to graduate students in the eighteenth century. The first class was admitted in Chapel Hill in 1795. For the next 136 years the only campus of the University of North Carolina was at Chapel Hill.

In 1877 the N.C. General Assembly began sponsoring additional institutions of higher education, diverse in origin and purpose. Five were historically black institutions, and another was founded to educate American Indians. Several were created to prepare teachers for the public schools. Others had a technological emphasis. One is a training school for performing artists.

In 1931 the N.C. General Assembly redefined the University of North Carolina to include three state-supported institutions: the campus at Chapel Hill (now the University of North Carolina at Chapel Hill), North Carolina State College (now North Carolina State University at Raleigh), and Woman's College (now the University of North Carolina at Greensboro). The new multi-campus university operated with one board of trustees and one president. By 1969 three additional campuses had joined the university through legislative action: the University of North Carolina at Charlotte, the University of North Carolina at Asheville, and the University of North Carolina at Wilmington.

In 1971 the General Assembly passed legislation bringing into the University of North Carolina the state's ten remaining public senior institutions, each of which had until then been legally separate: Appalachian State University, East Carolina University, Elizabeth City State University, Fayetteville State University, North Carolina Agricultural and Technical State University, North Carolina Central

University, the North Carolina School of the Arts, Pembroke State University, Western Carolina University, and Winston-Salem State University. In 1985 the North Carolina School of Science and Mathematics, a residential high school for gifted students, was declared an affiliated school of the university; in July 2007 NCSSM by legislative action became a constituent institution of the University of North Carolina. In 1996 Pembroke State University was renamed the University of North Carolina at Pembroke, and in 2008 the North Carolina School of the Arts was renamed the University of North Carolina School of the Arts, both through legislative action.

The UNC Board of Governors is the policy-making body legally charged with "the general determination, control, supervision, management, and governance of all affairs of the constituent institutions." It elects the president, who administers the university. The 32 voting members of the Board of Governors are elected by the General Assembly for four-year terms. Former board chairmen and board members who are former governors of North Carolina may continue to serve for limited periods as non-voting members emeriti. The president of the UNC Association of Student Governments, or that student's designee, is also a non-voting member. Each of the 17 constituent institutions is headed by a chancellor, who is chosen by the Board of Governors on the president's nomination and is responsible to the president. Each institution has a board of trustees, consisting of eight members elected by the Board of Governors, four appointed by the governor, and the president of the student body, who serves ex-officio. (The University of North Carolina School of the Arts has two additional ex-officio members and the North Carolina School of Science and Mathematics Board of Trustees has 27 members.) Each board of trustees holds extensive powers over academic and other operations of its institution on delegation from the Board of Governors.

University of North Carolina System Office Officers

Click this Link to be redirected to the UNC System Website
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Board of Governors - The University of North Carolina System

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Wendy Floyd Murphy*, Vice Chair*
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Emeritus Members

W. Louis Bissette, Jr.

History and Background of the University of North Carolina Wilmington

Education on the college level first came to Wilmington in 1946 when a college center was established under the direction of the North Carolina College Conference and under the administration of the Directorate of Extension of the University of North Carolina at Chapel Hill. The center offered courses on the freshman level to some 250 students during the academic year 1946-47. In 1947 a tax levy was approved by the citizens of New Hanover County, and Wilmington College was brought into existence as a county institution under the control of the New Hanover County Board of Education. In 1948 Wilmington College was officially accredited by the North Carolina College Conference and became a member of the American Association of Junior Colleges. In 1952 the institution was accredited as a junior college by the Southern Association of Colleges and Schools.

In 1958 New Hanover County voted to place the college under the Community College Act of the State of North Carolina. By virtue of this vote, the college became a part of the state system of higher education, and control passed from the New Hanover County Board of Education to a board of 12 trustees, eight of whom were appointed locally and four of whom were appointed by the governor of the state. At the same time the requirements for admission and graduation and the general academic standards of the college came under the supervision of the North Carolina Board of Higher Education, and the college began to receive an appropriation from the state for operating expenses in addition to the local tax.

On July 1, 1963, by an act of the General Assembly of North Carolina, Wilmington College became a senior college with a four-year curriculum, authorized to offer the bachelor's degree.

By vote of the Board of Trustees of the University of North Carolina in late 1968, with subsequent approval by the North Carolina Board of Higher Education and by an act of the General Assembly of North Carolina in 1969, Wilmington College became, on July 1, 1969, the University of North Carolina at Wilmington. It, and the institution in Asheville previously designated as Asheville-Biltmore College, became the fifth and sixth campuses of the University of North Carolina.

On October 30, 1971 the General Assembly in special session merged, without changing their names, the remaining 10 state-supported senior institutions into the university. Thus, the University of North Carolina comprised 16 institutions.

On August 22, 1977 the Board of Governors of the University of North Carolina

authorized the University of North Carolina at Wilmington to offer its first graduate programs at the master's level.
In the spring of 1985 the Board of Governors of the University of North Carolina elevated the University of North Carolina at Wilmington to a Comprehensive Level I University.
The programs offered by the university include four-year programs leading to the Bachelor of Arts, Bachelor of Fine Arts, Bachelor of Music, Bachelor of Science and Bachelor of Social Work degrees within the College of Arts and Sciences, the Cameron School of Business, the Watson College of Education, and the College of Health and Human Services; graduate programs leading to the Master of Arts, Master of Arts in Teaching, Master of Business Administration, Master of Education, Master of Fine Arts in creative writing, Master of Public Administration, Master of School Administration, Master of Science, Master of Science in Accountancy, Master of Science in Nursing, and Master of Social Work; a Ph.D. in psychology, a Ph.D. in marine biology, a Doctor of Nursing Practice, an Ed.D. in educational leadership; several post baccalaureate and post master's certificate programs, a variety of pre-professional programs, and special programs in a variety of areas, including marine science research and continuing education.

The University of North Carolina Wilmington Mission Statement

The University of North Carolina Wilmington, the state's coastal university, integrates teaching and mentoring with research and service. UNCW's commitment to student engagement, creative inquiry, critical thinking, thoughtful expression, and civic responsibility defines the student experience. UNCW offers undergraduate, master's, and doctoral programs in areas of expertise that serve the needs of the state, as well as our local and global communities.

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uncw.edu/aa
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Mr. Skyler Stein, President of Student Government Association

The Community of Scholars at UNCW is a network of collaborative resources aimed at enhancing the pursuit of the life of the mind. Its mission is to:

- support academic innovation and educational initiatives within the university community,
- provide resources for faculty development in teaching, research, and service,
- support the participation of the wider university community in the intellectual endeavor,
- represent in action and form the basic values of the life of the mind, and
- facilitate communication among all university departments, offices, and divisions.

The university seeks to attract and maintain a faculty of outstanding individuals who are capable of contributing to the enrichment of its diverse and comprehensive instructional and research programs. Its faculty members come from all geographic sections of the United States and several foreign countries, bringing to this campus a rich variety of educational experiences, training and scholarship. Of the more than 960 instructional and research faculty, more than 86 percent of full-time faculty hold doctoral or other terminal degrees.

Additional information on each of these awards can be found online at UNCW

Faculty Excellence Awards.

Board of Governors Award for Excellence in Teaching

As part of its ongoing efforts to underscore the importance of teaching and to encourage, identify, recognize, reward, and support good teaching within the university, the Board of Governors in 1993 created the annual system-wide teaching awards which are designated Board of Governors Awards for Excellence in Teaching. Seventeen awards are given annually, with one recipient selected from each of the constituent institutions. The first awards were given in the 1994-95 academic year.

Board of Trustees Teaching Excellence Award

The Board of Trustees of the University of North Carolina Wilmington, in recognition of this institution's commitment to teaching excellence, has established the Board of Trustees Teaching Excellence Award. Recipients of the award manifest excellence as a way of life and stand out among the faculty as persons who have made and continue to make a significant contribution to higher education through their dedication and service to students. The award carries with it both an honor and a responsibility: it identifies a member of the faculty as a person of excellence, and it calls upon the person so honored to share that excellence with colleagues and students.

Chancellor's Teaching Excellence Award

The Chancellor's Teaching Excellence Award recognizes all aspects of excellence

in teaching and in teaching-related activities that foster students' desire for lifetime learning and success. There shall be five Chancellor's Teaching Excellence Awards consisting of one for the Cameron School of Business, one for the College of Health and Human Services, one for the College of Humanities, Social Sciences, and the Arts, one for the College of Science and Engineering, and one for the Watson College of Education.

Distinguished Faculty Scholar Award

The Distinguished Faculty Scholar Award is designed to underscore this institution's continuing commitment to scholarship and creative work. Recipients of the award stand out among the faculty as persons who have made, and continue to make, a significant contribution to the university and the academic community through their commitment to scholarship, research and creativity. Up to two awards are given annually.

Distinguished Scholarly Engagement and Public Service Award

The Distinguished Scholarly Engagement and Public Service Award recognizes excellence in addressing crucial local, regional, national, or global issues through scholarly activity directed towards persons and groups outside UNCW. The university confers one rising and one senior award each year. The recipient of the senior award is the UNCW nominee for the Board of Governors Award for Excellence in Public Service.

Distinguished Teaching Professorship Award

The Distinguished Teaching Professorship Awards exemplify UNCW's commitment to excellence in teaching and in teaching-related activities by recognizing faculty members who have made a profound contribution to higher education through their dedication and service to students. Up to three awards are given each year.

Excellence in eLearning Award

The annual Excellence in eLearning Award recognizes faculty members for outstanding online and/or web-enhanced course design and delivery. Interested faculty apply for the award, and the recipient is chosen by a group of faculty course reviewers and the Office of Distance Education and eLearning.

Graduate Mentor Award

The Graduate Mentor Award recognizes members of UNCW's graduate faculty who have excelled at teaching at the graduate level and who have an established record of mentoring graduate students. The latter includes not only guiding the research activity of students during their tenure at UNCW but also helping students become established as independent scholars and professionals.

- https://www.uncw.edu/outreach/
UNCW is engaged with Southeastern North Carolina through innovative programs of lifelong and professional learning, applied research, and service that result in measurable improvements in our region's social and economic condition. We advocate for and support sustained, issue-specific partnerships between faculty, staff, and students and regional business, nonprofit, and government organizations, we support academically-based programs that enrich the lives of the youth and adults living in Southeastern North Carolina. Opportunities for student participation

exist in the following areas;

Conference and Event Management

Conference Services and Event Services provides comprehensive logistical and administrative services including on-campus facilities, lodging, food and registration for both internal and external organizations hosting conferences at UNCW.

Professional and Organizational Development

Professional and Organizational Development offers working professionals an opportunity to further develop their skills and/or provides an opportunity for career exploration by delivering on-site and online training. Visit https://www.uncw.edu/professional-ed

Osher Lifelong Learning Institute at UNCW (OLLI)

Osher Lifelong Learning Institute at UNCW (OLLI) refers to an individual's ongoing commitment to education and includes non-credit activities for personal enrichment, including short courses related to academic studies, such as history, art and languages, as well as activities such as lunch and dinner speaker series, public forums, special issues presentations and international travel. Other lifelong learning opportunities include the Adult Scholars Leadership Program, which brings accomplished members of the 55+ community together to discuss regional issues. Each semester the divisional publication, Pathways, catalogues current lifelong learning opportunities at UNCW. Visit https://www.uncw.edu/olli to learn more.

Scholarly Community Engagement

Scholarly Community Engagement facilitates interdisciplinary teams composed of faculty/student researchers and community organizations, conducting meaningful long-term applied research projects addressing local issues. Engaging the community in scholarly research, faculty and students affect the quality of life of individuals and communities in our region. Students participate in community-based research through internships, directed independent study and faculty-led research projects.

Storytelling in the Community

University students may enroll in [[permalink=1273|tooltip:{'title':1}]] %prefix% %code% %title%[[/permalink]], a two-credit hour course in which students are instructed and coached to visit local elementary schools and perform stories for children. In this manner, students learn to apply theoretical concepts related to performance and audience adaptation in actual settings. The course and activities emphasize interactive storytelling that directly involves audience members.

Media Production

Media Production, formerly UNCW-TV, highlights the intellectual diversity of the university by creating educational programming derived from the academic departments of UNCW and delivered by UNCW-TV, through a variety of media. Also, Media Production serves the university through its Creative Services television production, such as broadcasting events like UNCW Commencement, a variety of award ceremonies, candidates forums, community based television

programming and award winning documentaries.

Youth Programs

Begin your journey to higher education by participating in one of UNCW's outstanding programs for youth of all ages. We offer summer academic enrichment opportunities, school year standards-based programs, and community outreach events that engage youth in experiential education, service learning and leadership development. Visit https://www.uncw.edu/youth/

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The Center for the Support of Undergraduate Research and Fellowships

https://uncw.edu/myuncw/research/student/undergrad-research/
The Center for the Support of Undergraduate Research and Fellowships (CSURF) is a central resource for students, faculty, and staff dedicated to coordinating opportunities and information related to undergraduate research and creative activity. CSURF additionally coordinates the application and nomination process for competitive national scholarships and fellowships for undergraduates. The Center is housed in the Office of High Impact Practices.

Office of High Impact Practices

https://uncw.edu/myuncw/academics/beyond-the-classroom/applied-learning/
The Office of High Impact Practices provides support for faculty, staff, students, and

community partners to effectively develop, implement, and assess a range of applied learning and high impact practices (HIPs). The Office of HIPs has built on the successes of ETEAL (Experiencing Transformative Education through Applied Learning), which served as the Quality Enhancement Plan (QEP) for UNCW from 2013-2018.

The Center for Teaching Excellence

https://www.uncw.edu/cte
The Center for Teaching Excellence (CTE) provides workshops on a variety of teaching issues, encourages innovations in teaching through awarding stipends for course development, and supports continued education in the scholarship of teaching by subsidizing travel to teaching conferences. Its mission is to foster a campus-wide climate where teaching is highly valued, as well as provide leadership in the application of scholarship to teaching. CTE encourages efforts to achieve excellence in teaching by running programs for course development and improvement, implementing new instructional technologies, and providing support services. CTE also conducts orientations for new faculty and works to integrate them into the university community.

The Center for Faculty Leadership

https://uncw.edu/myuncw/academics/cfl
The Center for Faculty Leadership (CFL) is dedicated to developing and sustaining the high quality of academic leadership central to supporting the mission of the university and achieving the goals outlined in its strategic plan. The center serves as a resource for individuals with aspirations for academic leadership; as a training center for newly appointed department chairs, division coordinators, and program

directors; and as a retooling center for current, mid-level academic leaders interested in improving the quality of their academic programs and/or advancing their professional careers in university administration. Information and assistance emphasize exploration, experimentation, and networking with programs presented in a variety of formats: informal discussions, formal workshops, guest lectures, conferences, networking and alliance building, mentoring and shadowing. The center's mission encourages collaborative initiatives by the faculty. Thus, the center also serves as a resource for faculty-generated initiatives that require institutional support beyond the departmental or program level.

The Office of Distance Education and eLearning

https://www.uncw.edu/oel
The Office of Distance Education and eLearning, a unit of the Academic Affairs division, provides support to faculty through individualized instruction and assistance in a variety of formats. Resources are allocated to support the development of online courses using the most current, pedagogically sound and dynamic learning strategies. Working collaboratively with Information Technology Systems, the office sponsors workshops and initiatives which focus on helping faculty design quality online courses and on increasing faculty expertise in employing cutting-edge instructional technology.

Gender Studies Resource Center

https://www.uncw.edu/gsrc
The Gender Studies and Resource Center is an interdisciplinary and intersectional community of students, scholars, and advocates committed to social justice and equity for marginalized peoples. Our intellectual framework stems from gender and

sexuality studies. The Center works with campus, local, and wider community partners through online teaching, research support, programming, and service activities that further social justice and work to combat social inequality at every level. In addition, we offer professional workshops and leadership opportunities for students, staff, faculty, and community members as we strive for solutions to address gender-based discrimination and develop inclusive communities at UNCW and across the globe. The Center also provides physical space for gathering, resources, and referrals for the UNCW and Wilmington communities.

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The UNCW undergraduate catalogue includes a calendar for the current academic year and a tentative calendar for the following year. All calendars are subject to change and will be updated online as necessary. The 2025-2026 calendar will not be official until published in the 2025-2026 online catalogue. Please refer to the links provided at the beginning of each calendar for specific information related to registration, orientation, housing and student accounts.

University Calendar 2025-2026

Academic Year Begin-End: Monday, August 11, 2025 - Monday, May 11, 2026

Fall 2025

Registration dates - Please refer to the Registrar's Important Dates and Deadlines.
New student orientation - Please refer to Transition Programs at www.uncw.edu/orientation.
Housing and Residence Life - Please refer to https://uncw.edu/housing/.
Student Accounts - Please refer to Billing Schedules & Due Dates website.
All Online Accelerated Programs, 7-Week Courses follow *this calendar.*
Every course offered for academic credit during summer sessions adheres to the

*standard of a minimum of **750** scheduled minutes of instructional time or the equivalent **per credit hour** (taken from UNC Policy Manual Chapter 400.1.6). For example; a three credit course requires a minimum of **2250** instructional minutes excluding breaks and including final exam time. Summer sessions consist of 17 class days (125 minutes per class) plus an additional day for exams which will equal **2250** minutes for a three credit course.*

Spring 2026

Registration dates - Please refer to the Registrar's Important Dates and Deadlines.
New student orientation - Please refer to Transition Programs at www.uncw.edu/orientation.
Housing and Residence Life - Please refer to https://uncw.edu/housing/.
Student Accounts - Please refer to Billing Schedules & Due Dates website.
All Online Accelerated Programs, 7-Week Courses follow *this calendar.*
*Every course offered for academic credit during fall and spring semesters adheres to the standard of a minimum of **750** scheduled minutes of instructional time or the equivalent **per credit hour** (taken from UNC Policy Manual Chapter 400.1.6) for example; a three credit course requires a minimum of **2250** instructional minutes excluding breaks and including final exam time.*

Summer 2026

Registration dates - Please refer to the Registrar's Important Dates and Deadlines.
New student orientation - Please refer to Transition Programs at www.uncw.edu/orientation.
Housing and Residence Life - Please refer to https://uncw.edu/housing/.
Student Accounts - Please refer to Billing Schedules & Due Dates website.

All Online Accelerated Programs, 7-Week Courses follow *this calendar. Every course offered for academic credit during summer sessions adheres adheres to the standard of a minimum of* ***750*** *scheduled minutes of instructional time or the equivalent per credit hour (taken from UNC Policy Manual Chapter 400.1.6) for example; a three credit course requires a minimum of* ***2250*** *instructional minutes excluding breaks and including final exam time. Summer sessions consist of 17 class days (125 minutes per class) plus an additional day for exams which will equal* ***2250*** *minutes for a three credit course.*

University Calendar 2026-2027

Academic Year Begin-End: Monday, August 10, 2026 - Monday, May 10, 2027

Fall 2026

Registration dates - Please refer to the Registrar's Important Dates and Deadlines.
New student orientation - Please refer to Transition Programs at www.uncw.edu/orientation.
Housing and Residence Life - Please refer to https://uncw.edu/housing/.
Student Accounts - Please refer to Billing Schedules & Due Dates website.
All Online Accelerated Programs, 7-Week Courses follow *this calendar. Every course offered for academic credit during summer sessions adheres to the standard of a minimum of* ***750*** *scheduled minutes of instructional time or the equivalent* ***per credit hour*** *(taken from UNC Policy Manual Chapter 400.1.6). For example; a three credit course requires a minimum of* ***2250*** *instructional minutes excluding breaks and including final exam time. Summer sessions consist of 17 class days (125 minutes per class) plus an additional day for exams which will equal* ***2250*** *minutes for a three credit course.*

Spring 2027

Registration dates - Please refer to the Registrar's Important Dates and Deadlines.
New student orientation - Please refer to Transition Programs at www.uncw.edu/orientation.
Housing and Residence Life - Please refer to https://uncw.edu/housing/.
Student Accounts - Please refer to Billing Schedules & Due Dates website.
All Online Accelerated Programs, 7-Week Courses follow *this calendar.*
Every course offered for academic credit during fall and spring semesters adheres to the standard of a minimum of ***750*** *scheduled minutes of instructional time or the equivalent* ***per credit hour*** *(taken from UNC Policy Manual Chapter 400.1.6) for example; a three credit course requires a minimum of* ***2250*** *instructional minutes excluding breaks and including final exam time.*

Summer 2027

Registration dates - Please refer to the Registrar's Important Dates and Deadlines.
New student orientation - Please refer to Transition Programs at www.uncw.edu/orientation.
Housing and Residence Life - Please refer to https://uncw.edu/housing/.
Student Accounts - Please refer to Billing Schedules & Due Dates website.
All Online Accelerated Programs, 7-Week Courses follow *this calendar.*
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About the University of North Carolina Wilmington

History and Background of the University of North Carolina Wilmington

Education on the college level first came to Wilmington in 1946 when a college center was established under the direction of the North Carolina College Conference and under the administration of the Directorate of Extension of the University of North Carolina at Chapel Hill. The center offered courses on the freshman level to some 250 students during the academic year 1946-47. In 1947 a tax levy was approved by the citizens of New Hanover County, and Wilmington College was brought into existence as a county institution under the control of the New Hanover County Board of Education. In 1948 Wilmington College was officially accredited by the North Carolina College Conference and became a member of the American Association of Junior Colleges. In 1952 the institution was accredited as a junior college by the Southern Association of Colleges and Schools.

In 1958 New Hanover County voted to place the college under the Community College Act of the State of North Carolina. By virtue of this vote, the college became a part of the state system of higher education, and control passed from the New Hanover County Board of Education to a board of 12 trustees, eight of whom were appointed locally and four of whom were appointed by the governor of the state. At the same time the requirements for admission and graduation and the general academic standards of the college came under the supervision of the North Carolina Board of Higher Education, and the college began to receive an appropriation from the state for operating expenses in addition to the local tax.

On July 1, 1963, by an act of the General Assembly of North Carolina, Wilmington College became a senior college with a four-year curriculum, authorized to offer the bachelor's degree.

By vote of the Board of Trustees of the University of North Carolina in late 1968, with subsequent approval by the North Carolina Board of Higher Education and by an act of the General Assembly of North Carolina in 1969, Wilmington College became, on July 1, 1969, the University of North Carolina at Wilmington. It, and the

institution in Asheville previously designated as Asheville-Biltmore College, became the fifth and sixth campuses of the University of North Carolina.
On October 30, 1971 the General Assembly in special session merged, without changing their names, the remaining 10 state-supported senior institutions into the university. Thus, the University of North Carolina comprised 16 institutions.
On August 22, 1977 the Board of Governors of the University of North Carolina authorized the University of North Carolina at Wilmington to offer its first graduate programs at the master's level.
In the spring of 1985 the Board of Governors of the University of North Carolina elevated the University of North Carolina at Wilmington to a Comprehensive Level I University.
The programs offered by the university include four-year programs leading to the Bachelor of Arts, Bachelor of Fine Arts, Bachelor of Music, Bachelor of Science and Bachelor of Social Work degrees within the College of Arts and Sciences, the Cameron School of Business, the Watson College of Education, and the College of Health and Human Services; graduate programs leading to the Master of Arts, Master of Arts in Teaching, Master of Business Administration, Master of Education, Master of Fine Arts in creative writing, Master of Public Administration, Master of School Administration, Master of Science, Master of Science in Accountancy, Master of Science in Nursing, and Master of Social Work; a Ph.D. in psychology, a Ph.D. in marine biology, a Doctor of Nursing Practice, an Ed.D. in educational leadership; several post baccalaureate and post master's certificate programs, a variety of pre-professional programs, and special programs in a variety of areas, including marine science research and continuing education.

The University of North Carolina Wilmington Mission Statement

The University of North Carolina Wilmington, the state's coastal university, integrates teaching and mentoring with research and service. UNCW's commitment to student engagement, creative inquiry, critical thinking, thoughtful expression, and civic responsibility defines the student experience. UNCW offers undergraduate, master's, and doctoral programs in areas of expertise that serve the needs of the state, as well as our local and global communities.

About the University of North Carolina System

History of The University of North Carolina System

In North Carolina, all the public educational institutions that grant baccalaureate degrees are part of the University of North Carolina. The University of North Carolina Wilmington is one of the 17 constituent institutions of the multi-campus state university. The University of North Carolina, chartered by the N.C. General Assembly in 1789, was the first public university in the United States to open its doors and the only one to graduate students in the eighteenth century. The first class was admitted in Chapel Hill in 1795. For the next 136 years the only campus of the University of North Carolina was at Chapel Hill.

In 1877 the N.C. General Assembly began sponsoring additional institutions of higher education, diverse in origin and purpose. Five were historically black institutions, and another was founded to educate American Indians. Several were created to prepare teachers for the public schools. Others had a technological emphasis. One is a training school for performing artists.

In 1931 the N.C. General Assembly redefined the University of North Carolina to include three state-supported institutions: the campus at Chapel Hill (now the University of North Carolina at Chapel Hill), North Carolina State College (now North Carolina State University at Raleigh), and Woman's College (now the University of North Carolina at Greensboro). The new multi-campus university operated with one board of trustees and one president. By 1969 three additional campuses had joined the university through legislative action: the University of North Carolina at Charlotte, the University of North Carolina at Asheville, and the University of North Carolina at Wilmington.

In 1971 the General Assembly passed legislation bringing into the University of North Carolina the state's ten remaining public senior institutions, each of which had until then been legally separate: Appalachian State University, East Carolina University, Elizabeth City State University, Fayetteville State University, North Carolina Agricultural and Technical State University, North Carolina Central University, the North Carolina School of the Arts, Pembroke State University, Western Carolina University, and Winston-Salem State University. In 1985 the North Carolina School of Science and Mathematics, a residential high school for gifted

students, was declared an affiliated school of the university; in July 2007 NCSSM by legislative action became a constituent institution of the University of North Carolina. In 1996 Pembroke State University was renamed the University of North Carolina at Pembroke, and in 2008 the North Carolina School of the Arts was renamed the University of North Carolina School of the Arts, both through legislative action.
The UNC Board of Governors is the policy-making body legally charged with "the general determination, control, supervision, management, and governance of all affairs of the constituent institutions." It elects the president, who administers the university. The 32 voting members of the Board of Governors are elected by the General Assembly for four-year terms. Former board chairmen and board members who are former governors of North Carolina may continue to serve for limited periods as non-voting members emeriti. The president of the UNC Association of Student Governments, or that student's designee, is also a non-voting member.
Each of the 17 constituent institutions is headed by a chancellor, who is chosen by the Board of Governors on the president's nomination and is responsible to the president. Each institution has a board of trustees, consisting of eight members elected by the Board of Governors, four appointed by the governor, and the president of the student body, who serves ex-officio. (The University of North Carolina School of the Arts has two additional ex-officio members and the North Carolina School of Science and Mathematics Board of Trustees has 27 members.) Each board of trustees holds extensive powers over academic and other operations of its institution on delegation from the Board of Governors.

University of North Carolina System Office Officers

Click this Link to be redirected to the UNC System Website
President Peter Hans — *President of the University*
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Mr. Michael Vollmer — *Chief Operating Officer*
Mr. David J. English — *Senior Vice President for Academic Affairs and Chief Academic Officer*
Ms. Jennifer Haygood — *Senior Vice President and Chief Financial Officer*
Dr. Andrew P. Kelly — *Senior Vice President for Strategy and Policy*
Mr. Andrew Tripp — *Senior Vice President for Legal Affairs & General Counsel*
Mr. Bart Goodson — *Senior Vice President of Government Relations*
Mr. Thomas Walker — *Senior Advisor for Economic Development and Military*

Affairs
Mr. Darryl Bass — *Vice President for Human Resources*
Ms. Andrea Poole — *Executive Director, North Carolina State Education Assistance Authority*

Board of Governors - The University of North Carolina System

Click this Link to be redirected to the UNC System Website
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Wendy Floyd Murphy*, Vice Chair*
Pearl Burris-Floyd, *Secretary*

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Kirk J. Bradley	Harry Brown
C. Phillip Byers	Swadesh Chatterjee
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John Fraley	Estefan Gordillo-Rivas
Reginald Ronald Holley	Mark Holton
Terry Hutchens	J. Alex Mitchell
Sonja Phillips Nichols	Art Pope
Temple Sloan	Woody White
Michael Wilford	

Emeritus Members

W. Louis Bissette, Jr.

Administrative Officers of the University of North Carolina Wilmington

Aswani K. Volety, Ph.D. — *Chancellor*
Michael Wilhelm, Ed.D. — *Chief of Staff*

Kelly Mintern, C.P.A., C.I.A. — *Chief Audit Executive*

Michael Oblinger, M.S.A. — *Director of Athletics*

Lori Preiss, B.A. — *Associate Vice Chancellor Human Resources*

John P. Scherer II, J.D. *General Counsel*

Marion R. Warren, B.B.A., J.D. — *Assistant to the Chancellor & Executive Dir of Government and External Relations*

Andrea Weaver, B.A. — *Chief Marketing and Communications Office*

Academic Affairs

uncw.edu/aa

Robert T. Burrus Jr., Ph.D. — *Interim Provost and Vice Chancellor for Academic Affairs*

Matthew Rish, M.B.A. — *Associate Provost for Administration and Resource Management*

Margaret Demers – *Director, Academic Resource Administration*

Jennifer Fernandez-Villa, Ed.D. — *Interim Associate Provost for Global Partnerships and International Education*

Kara Pike Inman, Ed.D. – *Director, Education Abroad*

Kateryna Forynna, M.A.– *Director, English Language Center*

Jennifer Fernandez-Villa, Ed.D. – *Director, Office of International Students and Scholars*

Christopher M. Finelli, Ph.D. — *Associate Provost for Graduate, Continuing, and Lifelong Education; Dean, Graduate School*

Mitch Bloomer, Ph.D. — *Director, Office of Continuing and Professional Education*

Amy W. Keith, MALS — *Director, Osher Lifelong Learning Institute*

Andrew Mauk, Ph.D. — *Associate Provost for Institutional Research and Planning*

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Michael Smith, Ed.D.— *Director, Institutional Research and Analytics*

Sujit D. Chemburkar, M.S. - *Director, Space Planning and Management*

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Chris Prentice, Ph.D. — *Director, Center for Social Impact*

Karl Ricanek, Ph.D. — *Director, Institute for Interdisciplinary Identity Sciences (I3S)*

Justin Streuli, M.B.A. — *Director, Office of Innovation and Commercialization (OIC)*

Sarah Daniels, M.P.A. — *Director, Quality Enhancement for Non-Profits (QENO)*

Kirsten Wisneski, M.A. — *Director, Research Development Office*

George Cox, M.A. — *Director, Research Integrity Office*

Tamara Hatch, M.B.A. — *Director, Sponsored Programs and Research (SPARC)*

Cynthia Demetriou, Ph.D. *Associate Provost for Student Engagement, Enrollment and Retention*

Christine Pesetski, Ph.D. — *Assistant Provost Center for Academic Advising*

Lauren Franklin, Ed.D. —*Director, Office of Admissions*

Bill Kawczynski, B.A. — *Director, Office of Military Affairs*

Frederick Holding, M.S. — *Director, Office of Scholarships and Financial Aid*

Amanda Fleming, M.B.A. — *University Registrar*

Stefanie Norris, Ed.D.— *Director, Strategic Enrollment Initiatives and Transfer Pathways*

Shannon Pease, Ed.D. — *Director, Student-Athlete Support Services*

Kyle Verbosh, Ph.D. — *Director, Student Success Data and Research*

DiAnna Washington, Ph.D. — *Director, Student Success and Retention*

Edelmira I. Segovia, Ed.D. — *Director, College Access and Precollege Programs*

Lucy Holman, D.C.D. — *Associate Provost for Teaching, Learning and Library Services; Dean, UNCW Library*

Jacquelyn Lee, Ph.D.— *Director, Center for Teaching Excellence*

Jeremy Dickerson, Ed.D. — *Assistant Provost Distance Education and eLearning*

Carol McNulty, Ph.D. — *Associate Provost for Undergraduate Education and Faculty Affairs*

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Tracy Linderholm, Ph.D. — *Dean, Watson College of Education*

Ken Halanych, Ph.D. — *Executive Director, Center for Marine Science*

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Jennifer Leung, M.B.A. — *Associate Vice Chancellor for Finance*
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Frank Brinkley, M.B.A. — *Chief of University Police*
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David Olson, B.S. — *Director of Physical Plant*
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Patricia L. Thompson, M.P.A. — *Director of IT Resource Management Services*
Nicole West, B.S. *Director of Enterprise Systems Support*
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Student Affairs

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Larry Wray, M.S. — *Executive Director of Campus Life*

University Advancement

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Melissa Sinclair, B.S — *Assistant Vice Chancellor for Major Gifts*
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Katie Crosby,, M.Ed. — *Director of Development, Major Gifts, CHSSA*
Dawn B. Carter, B.A. — *Director of Development, Major Gifts, WCE*
Megan P. Gorham, M.B.A. — *Director of Corporate and Foundation Engagement*
Lindsay Crighton, M.A. — *Senior Director of Development, Major Gifts, CSE*
Kelly Wilson, M.P.A. — *Director of Development, Major Gifts, CHHS*
Tim McClain, B.S. — *Director of Development, Legacy Gift Planning*
Adam Fearing, M.A. — *Associate Athletics Director for Development*
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The Community of Scholars at UNCW

The Community of Scholars at UNCW is a network of collaborative resources aimed at enhancing the pursuit of the life of the mind. Its mission is to:

- support academic innovation and educational initiatives within the university community,
- provide resources for faculty development in teaching, research, and service,
- support the participation of the wider university community in the intellectual endeavor,
- represent in action and form the basic values of the life of the mind, and
- facilitate communication among all university departments, offices, and divisions.

All resource units promoting this mission are welcome to participate in the Community of Scholars at UNCW. Collaboration of these resources is enhanced by the Community of Scholars Council which brings together on a regular basis the directors of the resource units with representatives from Academic Affairs, Student Affairs, Randall Library, Information Technology Services, Faculty Senate, University College, Honors Scholars College and Student Government. Its charge is to review the activities of the resource units and to consider strategies for enhancing the intellectual growth of our community.

The Faculty at UNCW

The university seeks to attract and maintain a faculty of outstanding individuals who

are capable of contributing to the enrichment of its diverse and comprehensive instructional and research programs. Its faculty members come from all geographic sections of the United States and several foreign countries, bringing to this campus a rich variety of educational experiences, training and scholarship. Of the more than 960 instructional and research faculty, more than 86 percent of full-time faculty hold doctoral or other terminal degrees.

Faculty Awards at UNCW

Additional information on each of these awards can be found online at UNCW Faculty Excellence Awards.

Board of Governors Award for Excellence in Teaching

As part of its ongoing efforts to underscore the importance of teaching and to encourage, identify, recognize, reward, and support good teaching within the university, the Board of Governors in 1993 created the annual system-wide teaching awards which are designated Board of Governors Awards for Excellence in Teaching. Seventeen awards are given annually, with one recipient selected from each of the constituent institutions. The first awards were given in the 1994-95 academic year.

Board of Trustees Teaching Excellence Award

The Board of Trustees of the University of North Carolina Wilmington, in recognition of this institution's commitment to teaching excellence, has established the Board of Trustees Teaching Excellence Award. Recipients of the award manifest excellence as a way of life and stand out among the faculty as persons who have made and continue to make a significant contribution to higher education through their dedication and service to students. The award carries with it both an honor and a responsibility: it identifies a member of the faculty as a person of excellence, and it calls upon the person so honored to share that excellence with colleagues and students.

Chancellor's Teaching Excellence Award

The Chancellor's Teaching Excellence Award recognizes all aspects of excellence in teaching and in teaching-related activities that foster students' desire for lifetime learning and success. There shall be five Chancellor's Teaching Excellence Awards consisting of one for the Cameron School of Business, one for the College of Health and Human Services, one for the College of Humanities, Social Sciences, and the Arts, one for the College of Science and Engineering, and one for the Watson College of Education.

Distinguished Faculty Scholar Award

The Distinguished Faculty Scholar Award is designed to underscore this institution's continuing commitment to scholarship and creative work. Recipients of the award stand out among the faculty as persons who have made, and continue to make, a significant contribution to the university and the academic community through their commitment to scholarship, research and creativity. Up to two awards are given annually.

Distinguished Scholarly Engagement and Public Service Award

The Distinguished Scholarly Engagement and Public Service Award recognizes excellence in addressing crucial local, regional, national, or global issues through scholarly activity directed towards persons and groups outside UNCW. The university confers one rising and one senior award each year. The recipient of the senior award is the UNCW nominee for the Board of Governors Award for Excellence in Public Service.

Distinguished Teaching Professorship Award

The Distinguished Teaching Professorship Awards exemplify UNCW's commitment to excellence in teaching and in teaching-related activities by recognizing faculty members who have made a profound contribution to higher education through their dedication and service to students. Up to three awards are given each year.

Excellence in eLearning Award

The annual Excellence in eLearning Award recognizes faculty members for outstanding online and/or web-enhanced course design and delivery. Interested faculty apply for the award, and the recipient is chosen by a group of faculty course reviewers and the Office of Distance Education and eLearning.

Graduate Mentor Award

The Graduate Mentor Award recognizes members of UNCW's graduate faculty who have excelled at teaching at the graduate level and who have an established record of mentoring graduate students. The latter includes not only guiding the research activity of students during their tenure at UNCW but also helping students become established as independent scholars and professionals.

Global Partnerships and International Education

https://www.uncw.edu/global/
The Office of Global Partnerships and International Education is comprised of three units: Education Abroad, English Language Center, and the Office of International Students & Scholars.

Education Abroad

UNCW offers more than 800 education abroad opportunities in more than 50 countries. Options available include coursework taken abroad, international internships for academic credit, credit-bearing service-learning experiences, academic research, and virtual global learning opportunities. UNCW provides education abroad opportunities to suit nearly every major and credit earned through international programs may be applied towards a UNCW degree. Financial aid may be used in conjunction with education abroad programs and scholarships are available. Students may select from short-term and summer programs, as well as semester, year-long and two-year dual degree options.
All applications for any credit-bearing program abroad must be made through the Office of Global Partnerships and International Education.
UNCW students who study abroad retain their active UNCW student status and will not have to re-enroll upon return.

Eligibility requirements include:

- 18 years of age at the time of participation
- Good disciplinary standing
- 2.5+ cumulative grade point average
- Sophomore+ status (select programs are open to first-year students)
- Any program-specific requirements

Further information is available at https://uncw.edu/international/abroad.

English Language Center

UNCW's English Language Center offers courses in reading, writing, speaking, and listening, to non-native speakers of English. Students receive 20 hours of instruction per week. This intensive English program emphasizes Academic preparation. UNCW's Conditional Admission policy allows students who wish to start a degree to transition smoothly into degree programs once they have completed the highest level of the ELC program successfully. The ELC Program is best suited for students who have at least a basic foundation of English.

Further information is available at: https://uncw.edu/international/elc.

Office of International Students and Scholars (OISS)

The Office of International Students & Scholars fosters globalization at UNCW by recruiting, admitting, welcoming, advising, supporting, engaging, and advocating for UNCW's community of international students and scholars. OISS builds partnerships with overseas partners to attract international students to UNCW and fosters relationships with advisers, counsellors, agents, and governmental agencies to increase the international student and scholar population on campus. OISS provides transition support that addresses the unique needs of international students and scholars; ensures institutional compliance with federal immigration regulations for foreign students, visiting scholars, and employees on our visa sponsorship (F, J, H, and LPR); coordinates events and programs that engage international students with the broader community to promote a global culture throughout our campus; and serves the broader campus community in an administrative and advisory capacity.
Further information is available at: https://uncw.edu/international/isss/

German Studies Consortium

Raymond L. Burt, *coordinator*

The German Studies Consortium links participating UNC institutions to facilitate the sharing of teaching and learning resources to enhance German Studies across The University of North Carolina system. This consortium offers a broad array of German Studies courses in the language, literature, and culture of the German-speaking countries taught by specialists in the field. The primary focus is on the sharing of upper-level German classes offered each semester on the North Carolina Information Superhighway. Participant universities include Appalachian State University, East Carolina University, North Carolina State University, the University of North Carolina at Asheville, the University of North Carolina at Charlotte, the University of North Carolina at Greensboro, University of North Carolina Wilmington, and Western Carolina University. For course details, visit the UNC Online Exchange.

Portuguese Exchange

Regina Felix, *coordinator*

The Portuguese Exhange links participating UNC institutions to facilitate the sharing of teaching and learning resources to enhance Portuguese language and Portugurese and Brazilian Studies across the University of North Carolina system. This exchange offers courses in the language, literature, and culture of the Portuguese-speaking countries taught by specialists in the field. Participant universities include Appalachian State University, North Carolina State University, the University of North Carolina Asheville, the University of North Carolina at Chapel Hill, the Unversity of North Carolina at Charlotte, the University of North Carolina Wilmington, and Winston Salem State University. For course details, visit the UNC Online Exchange.

Russian Studies Consortium

Dave Graber, *coordinator*

The Russian Studies Consortium links participating UNC institutions to facilitate the sharing of teaching and learning resources to enhance Russian Studies across The

University of North Carolina system. This consortium offers a broad array of Russian Studies courses in the language, literature, history, film, society, and culture in the Russian-speaking countries, which can be taught in the target language and/or in translation by specialists with credentials in Russian Studies. The primary goal focuses on the sharing of elementary, intermediate, and upper level Russian Studies classes offered each semester as well as summer session courses on the North Carolina Information Superhighway and/or fully online. Participant universities include Appalachian State University, East Carolina University, North Carolina State University, The University of North Carolina at Charlotte, The University of North Carolina at Greensboro, and The University of North Carolina Wilmington. Courses are offered through the UNC Online Exchange.

Scholar Resource Units

The Center for the Support of Undergraduate Research and Fellowships

https://uncw.edu/myuncw/research/student/undergrad-research/
The Center for the Support of Undergraduate Research and Fellowships (CSURF) is a central resource for students, faculty, and staff dedicated to coordinating opportunities and information related to undergraduate research and creative activity. CSURF additionally coordinates the application and nomination process for competitive national scholarships and fellowships for undergraduates. The Center is housed in the Office of High Impact Practices.

Office of High Impact Practices

https://uncw.edu/myuncw/academics/beyond-the-classroom/applied-learning/
The Office of High Impact Practices provides support for faculty, staff, students, and community partners to effectively develop, implement, and assess a range of applied learning and high impact practices (HIPs). The Office of HIPs has built on the successes of ETEAL (Experiencing Transformative Education through Applied Learning), which served as the Quality Enhancement Plan (QEP) for UNCW from 2013-2018.

The Center for Teaching Excellence

https://www.uncw.edu/cte
The Center for Teaching Excellence (CTE) provides workshops on a variety of teaching issues, encourages innovations in teaching through awarding stipends for course development, and supports continued education in the scholarship of teaching by subsidizing travel to teaching conferences. Its mission is to foster a campus-wide climate where teaching is highly valued, as well as provide leadership in the application of scholarship to teaching. CTE encourages efforts to achieve excellence in teaching by running programs for course development and improvement, implementing new instructional technologies, and providing support services. CTE also conducts orientations for new faculty and works to integrate them into the university community.

The Center for Faculty Leadership

https://uncw.edu/myuncw/academics/cfl
The Center for Faculty Leadership (CFL) is dedicated to developing and sustaining the high quality of academic leadership central to supporting the mission of the university and achieving the goals outlined in its strategic plan. The center serves as a resource for individuals with aspirations for academic leadership; as a training center for newly appointed department chairs, division coordinators, and program directors; and as a retooling center for current, mid-level academic leaders interested in improving the quality of their academic programs and/or advancing their professional careers in university administration. Information and assistance emphasize exploration, experimentation, and networking with programs presented in a variety of formats: informal discussions, formal workshops, guest lectures, conferences, networking and alliance building, mentoring and shadowing. The center's mission encourages collaborative initiatives by the faculty. Thus, the center also serves as a resource for faculty-generated initiatives that require institutional support beyond the departmental or program level.

The Office of Distance Education and eLearning

https://www.uncw.edu/oel
The Office of Distance Education and eLearning, a unit of the Academic Affairs division, provides support to faculty through individualized instruction and assistance in a variety of formats. Resources are allocated to support the development of online courses using the most current, pedagogically sound and dynamic learning strategies. Working collaboratively with Information Technology Systems, the office sponsors workshops and initiatives which focus on helping faculty design quality online courses and on increasing faculty expertise in employing cutting-edge instructional technology.

Gender Studies Resource Center

https://www.uncw.edu/gsrc
The Gender Studies and Resource Center is an interdisciplinary and intersectional community of students, scholars, and advocates committed to social justice and equity for marginalized peoples. Our intellectual framework stems from gender and sexuality studies. The Center works with campus, local, and wider community partners through online teaching, research support, programming, and service activities that further social justice and work to combat social inequality at every level. In addition, we offer professional workshops and leadership opportunities for students, staff, faculty, and community members as we strive for solutions to address gender-based discrimination and develop inclusive communities at UNCW and across the globe. The Center also provides physical space for gathering, resources, and referrals for the UNCW and Wilmington communities.

UNC Language Assembly Exchange

Raymond L. Burt, UNCW *coordinator*
The UNC Language Assembly is a cooperative of the language departments of all 17 campuses of the UNC System, and serves the UNC System and the State of North Carolina by supporting the foreign language programs at the constituent institutions and by seeking to offer a wide diversity of foreign language choices to the students at all the UNC campuses. Students are not required to pay tuition at the

other campus, since UNCW tuition applies to these courses as well. Courses are taught online or through videoconference technology. Students can directly enroll in language classes offered by campuses through the UNC Online Exchange.

University Calendar

The UNCW undergraduate catalogue includes a calendar for the current academic year and a tentative calendar for the following year. All calendars are subject to change and will be updated online as necessary. The 2025-2026 calendar will not be official until published in the 2025-2026 online catalogue. Please refer to the links provided at the beginning of each calendar for specific information related to registration, orientation, housing and student accounts.

Fall 2025

Fall 2026

Spring 2026

Spring 2027

Summer 2026

Summer 2027

University Calendar 2025-2026

Academic Year Begin-End: Monday, August 11, 2025 - Monday, May 11, 2026

Fall 2025

Registration dates - Please refer to the Registrar's Important Dates and Deadlines.
New student orientation - Please refer to Transition Programs at www.uncw.edu/orientation.
Housing and Residence Life - Please refer to https://uncw.edu/housing/.
Student Accounts - Please refer to Billing Schedules & Due Dates website.
All Online Accelerated Programs, 7-Week Courses follow *this calendar.*

August 11, Monday - December 15, Monday	**Semester Begins - Commencement**
August 20, Wednesday - December 3, Wednesday	**Classes Begin - End**
August 11, Monday	Academic Year & Fall Semester Begins

August 18, Monday	Freshman Orientation & Advising
August 19, Tuesday	Convocation
August 20, Wednesday	First Day of Classes
August 27, Wednesday	Last Day to Drop or Add a Class
September 1, Monday	University Holiday (No Classes)
September 3, Wednesday	Census Day
September 11, Thursday	Fall Faculty Meeting
October 9-11, Thursday-Saturday	Fall Break (No Classes)
October 21, Tuesday	Last Day to Withdraw with a "W" – Undergraduate Students
November 10, Monday	Last day to Withdraw with a "W" – Graduate Students
November 26, Wednesday	No Classes; University Open
November 27-29, Thursday-Saturday	University Holiday (No Classes)
December 2, Tuesday	Swap Day - Thursday Classes Meet
December 3, Wednesday	Swap Day - Friday Classes Meet
December 3, Wednesday	Last Day of Fall Classes
December 4, Thursday	Reading Day
December 5-11, Friday-Thursday	Final Examinations (Click to View Exam Schedule)
December 12-13, Friday-Saturday	Commencement
December 15, Monday	Fall Semester Ends

*Every course offered for academic credit during summer sessions adheres to the standard of a minimum of **750** scheduled minutes of instructional time or the equivalent **per credit hour** (taken from UNC Policy Manual Chapter 400.1.6). For example; a three credit course requires a minimum of **2250** instructional minutes excluding breaks and including final exam time. Summer sessions consist of 17 class days (125 minutes per class) plus an additional day for exams which will equal **2250** minutes for a three credit course.*

Spring 2026

Registration dates - Please refer to the Registrar's Important Dates and Deadlines.
New student orientation - Please refer to Transition Programs at www.uncw.edu/orientation.

Housing and Residence Life - Please refer to https://uncw.edu/housing/.
Student Accounts - Please refer to Billing Schedules & Due Dates website.
All Online Accelerated Programs, 7-Week Courses follow *this calendar.*

January 5, Monday - May 11, Monday	**Semester Begins - Commencement**
January 12, Monday - April 29, Wednesday	**Classes Begin - End**
January 1, Thursday	University Holiday
January 5, Monday	University Opens
January 5, Monday	Spring Semester Begins
January 8, Thursday	Transfer Orientation & Advising
January 9, Friday	Housing Opens
	January 12, Monday
First Day of Classes	January 19, Monday
University Holiday (No Classes)	January 20, Tuesday
Last Day to Drop or Add a Class	January 26, Monday
Census Day	March 2-8, Monday-Sunday
Spring Break (No Classes)	March 18, Wednesday
Last Day to Withdraw with a "W" - Undergraduate Students	April 2-4, Thursday-Saturday
No Classes	April 3, Friday
University Holiday (No Classes)	April 8, Wednesday
Spring Faculty Meeting	April 9, Thursday
Last Day to Withdraw with a "W"- Graduate Students	April 28, Tuesday
Swap Day - Thursday Classes Meet	April 29, Wednesday
Swap Day - Friday classes meet	April 29, Wednesday
Last day of Spring Classes	April 30, Thursday
Reading Day	May 1-7, Friday-Thursday
Final Examinations (Click to View Exam Schedule)	May 8-9, Friday-Saturday
Commencement	May 11, Monday

Every course offered for academic credit during fall and spring semesters adheres to the standard of a minimum of ***750*** *scheduled minutes of instructional time or the equivalent* ***per credit hour*** *(taken from UNC Policy Manual Chapter 400.1.6) for*

*example; a three credit course requires a minimum of **2250** instructional minutes excluding breaks and including final exam time.*

Summer 2026

Registration dates - Please refer to the Registrar's Important Dates and Deadlines.
New student orientation - Please refer to Transition Programs at www.uncw.edu/orientation.
Housing and Residence Life - Please refer to https://uncw.edu/housing/.
Student Accounts - Please refer to Billing Schedules & Due Dates website.
***All Online Accelerated Programs, 7-Week Courses follow** this calendar.*

May 18, Monday - June 16, Tuesday	**Summer 1 Classes Start - End**
June 24, Wednesday - July 22, Wednesday	**Summer 2 Classes Begin - End**
May 18, Monday	Summer Session 1- First Day of Classes
May 19, Tuesday	Last Day to Register & Drop or Add a Class
May 25, Monday	University Holiday (No Classes)
June 3, Wednesday	Last day to Withdraw with a "W" - Undergraduate Students
June 9, Tuesday	Last day to Withdraw with a "W" - Graduate Students
June 16, Tuesday	Summer Session 1 - Last Day of Classes
June 17, Wednesday	Summer Session 1 - Final Examinations
June 24, Wednesday	Summer Session 2- First Day of Classes
June 25, Thursday	Last Day to Register & Drop or Add a Class
July 3, Friday	University Holiday (No Classes)
July 9, Thursday	Last Day to Withdraw with a "W" - Undergraduate Students
July 15, Wednesday	Last day to Withdraw with a "W" - Graduate Students
July 22, Wednesday	Summer Session 2 - Last Day of Classes
July 23, Thursday	Summer Session 2 - Final Examinations

*Every course offered for academic credit during summer sessions adheres adheres to the standard of a minimum of **750** scheduled minutes of instructional time or the equivalent per credit hour (taken from UNC Policy Manual Chapter 400.1.6) for*

*example; a three credit course requires a minimum of **2250** instructional minutes excluding breaks and including final exam time. Summer sessions consist of 17 class days (125 minutes per class) plus an additional day for exams which will equal **2250** minutes for a three credit course.*

University Calendar 2026-2027

Academic Year Begin-End: Monday, August 10, 2026 - Monday, May 10, 2027

Fall 2026

Registration dates - Please refer to the Registrar's Important Dates and Deadlines.
New student orientation - Please refer to Transition Programs at www.uncw.edu/orientation.
Housing and Residence Life - Please refer to https://uncw.edu/housing/.
Student Accounts - Please refer to Billing Schedules & Due Dates website.
***All Online Accelerated Programs, 7-Week Courses follow** this calendar.*

August 10, Monday - December 11, Friday	**Semester Begins - Commencement**
August 19, Wednesday - December 2, Wednesday	**Classes Begin - End**
August 10, Monday	Academic Year & Fall Semester Begins
August 17, Monday	Freshman Orientation & Advising
August 18, Tuesday	Convocation
August 19, Wednesday	First Day of Classes
August 26, Wednesday	Last Day to Drop or Add a Class
September 1, Tuesday	Census Day
September 7, Monday	University Holiday (No Classes)
September 10, Thursday	Fall Faculty Meeting
October 8-10, Thursday-Saturday	Fall Break (No Classes)
October 20, Tuesday	Last Day to Withdraw with a "W" – Undergraduate Students
November 9, Monday	Last Day to Withdraw with a "W" – Graduate Students
November 25, Wednesday	No Classes; University Open

November 26-28, Thursday-Saturday	University Holiday (No Classes)
December 1, Tuesday	Swap Day - Thursday Classes Meet
December 2, Wednesday	Swap Day - Friday Classes Meet; Last Day of Fall Classes
December 3, Thursday	Reading Day
December 4-10, Friday-Thursday	Final Examinations (Click to View Exam Schedule)
December 11-12, Friday-Saturday	Commencement
December 14, Monday	Fall Semester Ends

*Every course offered for academic credit during summer sessions adheres to the standard of a minimum of **750** scheduled minutes of instructional time or the equivalent **per credit hour** (taken from UNC Policy Manual Chapter 400.1.6). For example; a three credit course requires a minimum of **2250** instructional minutes excluding breaks and including final exam time. Summer sessions consist of 17 class days (125 minutes per class) plus an additional day for exams which will equal **2250** minutes for a three credit course.*

Spring 2027

Registration dates - Please refer to the Registrar's Important Dates and Deadlines.
New student orientation - Please refer to Transition Programs at www.uncw.edu/orientation.
Housing and Residence Life - Please refer to https://uncw.edu/housing/.
Student Accounts - Please refer to Billing Schedules & Due Dates website.
***All Online Accelerated Programs, 7-Week Courses follow** this calendar.*

January 4, Monday - May 10, Monday	**Semester Begins - Commencement**
January 11, Monday - April 28, Wednesday	**Classes Begin - End**
January 1, Friday	University Holiday
January 4, Monday	Spring Semester Begins
January 7, Thursday	Transfer Orientation & Advising
January 8, Friday	Freshman Orientation & Advising
January 11, Monday	First Day of Classes
January 18, Monday	University Holiday (No Classes)
January 19, Tuesday	Last Day to Drop or Add a Class

January 25, Monday	Census Day
February 27 - March 7, Monday-Sunday	Spring Break (No Classes)
March 17, Wednesday	Last Day to Withdraw with a "W" - Undergraduate Students
March 25, Thursday	No Classes; University Open
March 26, Friday	University Holiday (No Classes)
April 7, Wednesday	Spring Faculty Meeting
April 8, Thursday	Last Day to Withdraw with a "W" - Graduate Students
April 27, Tuesday	Swap Day - Thursday Classes Meet
April 28, Wednesday	Swap Day - Friday Classes Meet; Last Day of Spring Classes
April 29, Thursday	Reading Day
April 30-6, Friday-Thursday	Final Examinations (Click to View Exam Schedule)
May 7-8, Friday-Saturday	Commencement
May 10, Monday	Academic Year & Spring Semester Ends

*Every course offered for academic credit during fall and spring semesters adheres to the standard of a minimum of **750** scheduled minutes of instructional time or the equivalent **per credit hour** (taken from UNC Policy Manual Chapter 400.1.6) for example; a three credit course requires a minimum of **2250** instructional minutes excluding breaks and including final exam time.*

Summer 2027

Registration dates - Please refer to the Registrar's Important Dates and Deadlines.
New student orientation - Please refer to Transition Programs at www.uncw.edu/orientation.
Housing and Residence Life - Please refer to https://uncw.edu/housing/.
Student Accounts - Please refer to Billing Schedules & Due Dates website.
***All Online Accelerated Programs, 7-Week Courses follow** this calendar.*

May 17, Monday - June 15, Tuesday	**Summer 1 Classes Start - End**
June 22, Tuesday - July 21, Wednesday	**Summer 2 Classes Begin - End**
May 17, Monday	Summer Session 1- First Day of Classes

May 18, Tuesday	Last Day to Register & Drop or Add a Class, Census Day
May 31, Monday	University Holiday (No Classes)
June 2, Wednesday	Last Day to Withdraw with a "W" - Undergraduate Students
June 8, Tuesday	Last Day to Withdraw with a "W" - Graduate Students
June 15, Tuesday	Summer Session 1 - Last Day of Classes
June 16, Wednesday	Summer Session 1 - Final Examinations
June 22, Tuesday	Summer Session 2- First Day of Classes
June 23, Wednesday	Last Day to Register & Drop or Add a Class, Census Day
July 5, Monday	University Holiday (No Classes)
July 8, Thursday	Last Day to Withdraw with a "W" - Undergraduate Students
July 14, Wednesday	Last Day to Withdraw with a "W" - Graduate Students
July 21, Wednesday	Summer Session 2 - Last Day of Classes
July 22, Thursday	Summer Session 2 - Final Examinations

*Every course offered for academic credit during summer sessions adheres adheres to the standard of a minimum of **750** scheduled minutes of instructional time or the equivalent per credit hour (taken from UNC Policy Manual Chapter 400.1.6) for example; a three credit course requires a minimum of **2250** instructional minutes excluding breaks and including final exam time. Summer sessions consist of 17 class days (125 minutes per class) plus an additional day for exams which will equal **2250** minutes for a three credit course.*

Financial Information

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Assistantships

Graduate teaching assistantships are available on a limited basis in the Cameron

School of Business, the Watson College of Education, the College of Health and Human Services, and the College of Humanities, Social Sciences, and the Arts. The admission application process determines the candidates for these awards. For information contact the specific department/school or the Graduate School.

Employment

The **Federal Work-Study Program** (FWS), which is federally funded, provides part-time jobs both on and off the UNCW campus or off campus with community service organizations, for students who have demonstrated financial need. Students who submit a FAFSA and answer "yes" or "don't know" when presented with the question regarding wanting federal work study to be considered. Funds are limited and are awarded based upon the date the completed FAFSA is received.

Satisfactory Academic Progress (SAP) for Financial Aid Eligibility (Graduate)

Federal regulations require that students receiving financial aid maintain satisfactory academic progress from both qualitative and quantitative measures: cumulative GPA (3.0), hours earned compared to hours attempted (50%) and maximum time limit (200% of the published length of the program). Satisfactory Academic Progress and eligibility for financial aid are determined each academic term after grades are available. For more, visit https://uncw.edu/seahawk-life/money-matters/financial-aid/applying-receiving/eligibility.

Appeals

Federal regulations allow for certain cases in which the school may waive the Satisfactory Academic Progress (SAP) standards. Specifically, if a student's failure to be in compliance with one or more areas of satisfactory academic progress is due to events beyond the student's control, such as a student's extended illness, serious illness or death in the immediate family, or other significant trauma, and if such mitigating circumstances can be appropriately documented for the specific term(s) in which the deficiency occurred, the student may appeal to the Office of Scholarships & Financial Aid (OSFA). Eligibility may be regained by appeal. *Contact the OSFA to obtain a Satisfactory Academic Progress (SAP) Appeal form*.

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Health insurance is required for all UNCW students who meet the following three criteria:

- Enrolled in a minimum of 6 credit hours per semester for undergraduates or 1 credit hour for graduate students, and
- Enrolled in a main-campus degree-seeking program, and
- Eligible to pay the UNCW student health fee.

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The primary mission of the Office of Scholarships & Financial Aid (OSFA) is to assist prospective and currently enrolled students and their families in securing the most suitable financial aid as the student pursues a degree or teaching certificate at UNCW. Through our outreach efforts, we support the University's mission, including the commitment to public service and the encouragement of access to college. To this end, we administer federal, state and institutional student financial aid programs in excess of $100M to assist UNCW students.

Eligibility for the majority of our programs is determined using the U.S. Department of Education's Federal Methodology.

UNCW offers assistance in the form of scholarships, grants, loans, and Federal Work-Study jobs or a combination of these programs. For most graduate students, federal student loans are the primary source of financial assistance. Students are encouraged to file the Free Application for Federal Student Aid (FAFSA) every October 1st to receive priority consideration for aid. Aid funds are disbursed to the students' account at the beginning of each semester. Aid will continue to be disbursed through the rest of the semester as student's financial aid files become

complete. Refunds for overpayments of aid are processed regularly for students who have a credit balance. In order to receive a refund, the student needs to access the Student Accounts website to set up for e-refund to ensure there is no refunding delay. Contact Student Accounts at (910) 962-4281 with any questions about refunds.

To apply for Federal or State financial aid or institutional need-based aid, degree-seeking and teacher certificate students must submit a FAFSA. Some students must submit other documentation as requested by the OSFA. To receive federally-funded financial aid, students must be making satisfactory academic progress as determined by the OSFA; be a U.S. citizen or eligible non-citizen; and meet other criteria as specified by the U.S. Department of Education including at least half-time enrollment status. Questions concerning financial aid at UNCW should be directed to the OSFA. The office is located in the Warwick Center.

Graduate Enrollment Status for Financial Aid Purposes

For financial aid purposes, the following definitions apply for determining graduate enrollment status during the academic year (fall, spring and summer semesters), but this could be assessed differently by external areas like U.S. Department of Veteran's Affairs:

*Number of credit hours in which the student is enrolled at the end of the drop/add period. Students enrolled in a master's program must be earning credit hours in a qualified program in order to be eligible for financial aid. Note: a student may also be considered full-time when enrolled for less than nine hours if one of several conditions are met. See full-time status under the Academic Regulations and Procedures section.

Graduate students must be enrolled at least half-time in graduate-level courses to qualify for most financial aid programs.

Total credit hours for all summer sessions are used to define enrollment status in summer semester for financial aid purposes.

In order to receive a refund in the first session of Summer School, graduate students must be registered for at least 4.5 hours during Summer I. If the student registers for 3 hours in each session, the refund will not be available until the first

day of class of the second session. All students, including graduate students, must be attending at least half-time prior to a refund being issued.
Classes may be held until Summer II aid is applied to your account. Students are responsible for book money and living expenses until Summer II classes start at the end of June.
Students who need summer school aid must complete a summer school application available at www.uncw.edu/finaid after March 1. In order to have summer school aid processed in time to hold classes, the application must be received no later than one week prior to the start of the session you are attending.
The OSFA provides financial aid outreach to educate prospective and currently enrolled students on the financial aid process and on how to manage loans. For more, contact our office or join our Chat Tuesday financial literacy programming offered year-round: https://uncw.edu/seahawk-life/money-matters/financial-aid.

- All new undergraduate students are required to attend an orientation program prior to the beginning of their first term. The purpose of orientation is to acquaint new students with academic requirements, campus resources, and engagement opportunities.
During main campus orientation, first-year and transfer students will work with an academic advisor, take placement tests as needed, meet their peers, learn about campus resources and register for courses. Registration for orientation is required in advance. More information about orientation can be found at https://www.uncw.edu/orientation.
All new undergraduate students enrolling in online degree programs will be required to complete an online orientation which will include modules about academics, campus and technology resources, and an overview of e-learning. Academic advising will be provided virtually. Program specific orientations may also be required. For more information, please refer to Distance Education & eLearning webpage, https://uncw.edu/myuncw/academics/deel/online-education/online-orientation
Re-enrolling students admitted to any degree program are not required to participate in orientation, as they previously completed the orientation requirement (either in person or online) at the time of their initial enrollment.

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Room rates include: **furniture,** rent, utilities, **and** internet.
The term of this agreement is two semesters unless this agreement is expressly approved by the Director of Housing and Residence Life or his/her designee for the spring semester only. The housing rate is paid on a semester basis.
The University reserves the right to change on-campus housing rates at any time without prior notice. A non-refundable **$150 housing application fee** must be remitted with each completed housing agreement. Timely submission of the housing contract and **$150 housing fee** is highly recommended.

2025-2026 Housing Rates

If you are interested in obtaining information regarding campus housing, please contact:

Housing and Residence Life Office
University of North Carolina Wilmington
601 South College Road
Wilmington, North Carolina 28403-5959
Telephone: (910) 962-3241

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All students living in Belk, Cornerstone, Graham, Hewlett, Innovation, Keystone, Loggerhead, Pelican, Sandpiper, Schwartz, and Terrapin are required to have a Hawk plan (Gold, Silver or Bronze). The default meal plan for these locations will be the Hawk Silver, meaning students will have the option to either upgrade their plan to the Hawk Gold or downgrade their plan to Hawk Bronze.
All students living in the University Suites are required to have at least the Block 125 meal plan. The default meal plan for these locations will be the Hawk Silver, but students will have the option to either upgrade to the Hawk Gold, or downgrade to the Hawk Bronze or Block 125.
Meal plan transactions are facilitated on **students'** UNCW One Card ID, and it must be presented at every meal. Student ID cards are not transferable. The All Access

plans allow students to treat a friend or family member by using a guest meal at Wagoner Dining Hall, the Shore Dining Hall, and Dub's Cafe, or by using their food dollars or Teal Meals. Teal Meals on the Hawk All Access plans do NOT carry over from one week to the next, and will reset every Sunday morning.

Meal Plan Rolling: *The student's Fall semester meal plan will be automatically assigned to the student for the Spring semester. Changes to meal plans can be made in MySeaport before the change period end date. For a list of current change period dates and additional details, please visit the UNCW One Card student meal plan website at www.uncw.edu/studentmealplans.*

Unused Food Dollars roll over to the next semester if and only if you purchase a meal plan for that semester. Additionally, rolling occurs from summer to fall and fall to spring ONLY. Unused Food Dollars will be rolled into the following semester's account after the meal plan change period for that semester. ***All unused Food Dollars expire at the end of the spring semester.***

2025-2026 On-Campus Housing Meal Plans

*NC sales tax is charged on the Meals portion only at the time of meal plan purchase. Food dollars will be taxed as they are used.

Adding additional Food Dollars or Meals (Block Plans) may be done at any point during the semester after the meal change period.

Visit http://www.uncw.edu/studentmealplans for more information.

Meal plans and meal plan rates are set by the university's Board of Trustees and are subject to change.

Contact the One Card/Meal Plans office at 910-962-3560 or email mealplans@uncw.edu with any questions.

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Federal financial aid funds are awarded with the expectation that students will complete the entire period of enrollment. Students "earn" a percentage of the funds they are disbursed with each day of class attendance. When a student who has received federal financial aid funds (Title IV Funds) leaves school before the end of

the semester or period of enrollment, federal law requires UNCW to calculate the percentage and amount of "unearned" financial aid funds that must be returned to the federal government. This calculation may have the effect of requiring a return of funds that have already been disbursed to the student. Students are encouraged to meet with their financial aid counselor prior to making the decision to withdraw from school. Once a student has completed more than 60% of the enrollment period, students are considered to have earned all funding received. For more, visit https://uncw.edu/seahawk-life/money-matters/financial-aid.

The OSFA provides financial aid outreach to educate prospective and currently enrolled students on the financial aid process and on how to manage loans. For more, contact our office or join our Chat Tuesday financial literacy programming offered year-round: https://uncw.edu/seahawk-life/money-matters/financial-aid.

- The goal of the Office of Scholarships & Financial Aid at UNCW is to provide students and their families with information on both internal and external scholarship opportunities. Scholarships are gifts of money that do not require repayment.

  Scholarships usually recognize special achievements in academics, talent, and leadership. Some scholarships may also require that students demonstrate financial need. Financial need will be determined by submitting the FAFSA. Scholarships can come from a variety of sources. Scholarships may be awarded by the Office of Scholarships & Financial Aid, Admissions, Honors, and by each of the colleges on our campus. There are scholarships for transfer students as well as students currently enrolled at the university.

  UNCW has many scholarships that have been made available through the generous donations of alumni and friends of the university. Scholarship eligibility, criteria, and amounts may vary. Information pertaining to the scholarships available and the application process may be obtained from our University Scholarship Application located in mySeaport and directly through our Scholarship Manager Student Portal. The application opens each December 1 and closes June 1. Students may also find additional information about discipline specific scholarships by contacting the academic department of their intended major or by viewing college Web pages.
  See Also: [[permalink=4128|new:{'title':1}]][[/permalink]]

- Students must complete a FAFSA to initiate the application process and are automatically considered for all Federal Loan programs and Federal Work-Study. Students may borrow up to $20,500 in Direct Student Loans per academic year.

Federal Unsubsidized Direct Student Loans

Federal Unsubsidized Direct Student Loans are available to graduate students who file the FAFSA and otherwise are eligible. Students may borrow up to $20,500 **($33,000 for some health professions)** or the cost of attendance minus all other resources (including financial aid, tuition remissions). Interest begins accruing when the funds are disbursed to the student. Repayment begins when the student graduates or drops below half-time enrollment status. There are a variety of repayment plans. A portion of the loan may be cancelled upon completion of employment under certain terms and conditions. Students must be enrolled at least half-time to be eligible for Federal Direct student loans. More information about the terms and conditions are available at the following
link: https://studentaid.gov/understand-aid/types/loans

PLUS Loans for Graduate or Professional Students

Graduate or professional students are eligible to borrow under the Federal Graduate Direct PLUS Loan Program up to their cost of attendance minus other estimated financial assistance. The terms and conditions applicable to Parent PLUS Loans also apply to Graduate/Professional PLUS loans. These requirements include a determination that the applicant does not have an adverse credit history, repayment beginning 60 days after the last disbursement of the loan, and a fixed interest rate of 7 percent in the Federal Direct PLUS Loan program. Applicants for these loans are required to complete the FAFSA. They must have applied for their annual maximum loan eligibility under the Federal Subsidized and Unsubsidized Direct Loan Program before applying for Graduate or Professional PLUS loan. They also must complete an entrance counseling session prior to first disbursement and an exit counseling session when the student leaves school.

Master Promissory Note

To receive a Direct Loan or PLUS loan for graduate students, the student is required to complete a Master Promissory Note (MPN) with the U.S. Department of Education Direct Loan Program at https://studentaid.gov. Students may use computers in the OSFA if desired.

Entrance and Exit Counseling

Students who receive a Federal Unsubsidized or Perkins Loan must complete loan entrance counseling prior to receiving the first disbursement of a loan. Students can complete this process at https://studentaid.gov. Students may use computers in the OSFA if desired.
These students must also complete exit counseling at the same location once they graduate or if they withdraw.

Non-Federal and Alternative Loans

Non-federal loans are often referred to as alternative loans because they represent an alternative to the federal loan program, and are typically the only funding option for students in non-degree programs.
The Direct Loans and PLUS Loans generally provide more favorable terms and conditions than non-federal loans, but not always. For that reason, we encourage students and their families to compare terms and conditions of each. Eligibility for non-federal loans is determined by the lender based on credit review. UNCW certifies the loan amount, but has no influence on the credit decision. A very small percentage of students are ineligible for federal loans. The most common reason

for this ineligibility is failure to meet UNCW's satisfactory academic progress policy. Please visit **our website** for more information on these financing options.

- **The Board of Governors of the university reserves the right to change the charges for tuition, fees and the room and board rate at any time without prior notice.**

Tuition and Fees (In Effect at Time of Publication)

University of North Carolina Wilmington's tuition and fees are reviewed and approved by the Campus-Initiated Tuition Increase Committee (includes representation from the student body, faculty, and staff), the UNCW Board of Trustees, and the UNC System's Board of Governors.

Tuition and fees are assessed per credit hour for fall and spring terms up to 12 credit hours for undergraduate students (up to 9 credit hours for graduate students). Undergraduate students enrolled in 12 or more credit hours are considered full-time (9 or more for graduate students) and they are assessed the full-time rates for tuition and fees as listed below.

All programs are categorized as main campus or extension campus. Students are assessed based on the category associated with their program (main campus or extension). Students are able to view the campus code associated with their program in MySeaport - Students. Rates for tuition vary according to the student's status as a resident or non-resident of North Carolina.

All charges on the student account are due and payable per published dates on the Student Accounts website to avoid class cancellation and/or registration, transcript, and diploma holds. Online payments can be made via E-bill in MySeaport. Checks and money orders should be made payable to the University of North Carolina Wilmington and include the student's identification number.

University of North Carolina Wilmington has implemented the Fixed Tuition Program as required by North Carolina General Statute § 116-143.9. As required, in-state tuition rates at all UNC institutions will be fixed for eight consecutive semesters for all resident bachelor's degree-seeking freshmen. Eligible transfer

students will have fixed tuition rates for an appropriate number of consecutive semesters, based on the number of transfer credits transferred in from other institutions. The Fixed Tuition program only includes tuition and not fees. Fees may be increased annually. For more information, please see the Student Accounts and Cashier Office website.

Full-Time Charges per Semester for Main Campus programs (12 or more semester hours):

*See information on residency at the end of this section.

Full-Time Charges per Semester for Extension programs (12 or more credit hours)

For fixed tuition rates by cohort please see the Student Accounts and Cashier Office website.
* See information on residency at the end of this section.
** The University of North Carolina Wilmington reserves the right to make changes to tuition and fees at any time with the approval of the proper authorities. The University also reserves the right to correct any clerical errors on student accounts. Summer sessions tuition, fees, and refund policy can be found here: https://www.uncw.edu/seahawk-life/money-matters/student-accounts-cashiers-office/tuition-fees/index

Other Fees***:

***Please see Student Account's website for additional course fees.

Charge for Registration Reinstatement of Tuition and Fees

A course registration reinstatement charge will be assessed to students who fail to pay tuition and fees by published deadlines. Students who have not paid tuition and fees by the deadline are subject to cancellation of their registration. Students who have been canceled for non-payment may re-register for the exact classes canceled with a $75 registration reinstatement charge. Appeals for course reinstatement after the add/drop date may be submitted to the Dean of the student's college. Non-attendance or non-payment does not relieve a student of tuition liability. Students who do not plan to attend classes for a term must officially withdraw from the semester by contacting the Office of the Registrar.

UNCW Refund Policy – Fall and Spring Semesters

The university's refund policy complies with the requirements of the university's accrediting agency and the U.S. Department of Education. This refund policy only applies to complete term withdrawals from all courses from UNCW. Students who simply withdraw from an individual class after the drop/add period receive NO refund or reduction of tuition and fees.

Students must follow the official term withdrawal process to receive a refund under the university's policy. To officially withdraw from the university, students must withdraw online via the student portal. Any outstanding financial obligations to the university will be deducted from the amount refunded.

A student who officially withdraws from the university on or before the last day of registration (drop/add period) will receive a refund of the amount paid. Refunds are based on the effective date of the withdrawal. The Tuition/Fees Credit Schedule is posted on the Student Accounts website.

Students completing a term withdrawal will receive refunds as follows:

This refund policy applies to complete term withdrawals from UNCW. Note: Before officially withdrawing, students should check with their financial aid counselor to understand any financial aid implications.

UNCW Refund Policy - Summer Sessions

Because of the short duration of summer school sessions, summer session charges are not refundable after the drop/add period.

Residence Status for Tuition Purposes

A student's status as an in-state or out-of-state resident for tuition purposes determines the tuition rate charged for the student. A student's residency status is determined by the North Carolina Residency Determination Service (RDS) under the authority of the North Carolina State Education Assistance Authority.
Students seeking to establish or update their residency status are required to complete the process offered by RDS and to provide UNCW with the Residency Classification Number (RCN) for their status. Students who do not have an RDS determination or who do not provide their RCN default to out-of-state status. Students with an expired residency status default to out-of-state and need to renew their status through RDS.
Refer to RDS at ncresidency.org or 844-319-3640 for information on how residency is determined and completing the process.
The deadline to be changed to in-state residency status for an in-progress semester is set by the UNC System and published on the UNCW calendar. Students who receive a change in status with an RDS effective date after the UNC System deadline will have the in-state status take effect the following semester.
There are several state-authorized tuition benefits that provide the equivalent of the in-state rate to qualifying out-of-state students. Refer to RDS for information on

these benefits and how to qualify.

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OSFA provides certification for educational benefits to veterans and/or their eligible dependents, enrolled at the University of North Carolina Wilmington. Chapter 32 (VEAP), Chapter 1606/1607 (reservists from all branches of the services, and Chapter 30 (individuals who served on active duty), Chapter 33 (Post 9-11), and transfer of Benefits (T.O.E.) veterans who feel they have an entitlement should check with their local VA Office, the Regional Office in Atlanta (1-888-GIBill1) or the VA certifying official at their local educational institution. You may also obtain information at www.gibill.va.gov.

The exception to the above is:

- A veteran who has a 20 percent or greater disability due to a service-connected cause(s) may be eligible for benefits under Chapter 31. Check with the Veterans Affairs Regional Office (1-800-827-1000).
- [[permalink=4226|new:{'title':1}]][[/permalink]]
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UNCW offers voluntary meal plans for students living off campus or upperclassmen living in Voluntary On-Campus Housing, consisting of Seahawk Village, Seahawk Landing, or Seahawk Crossing. The plans are designed to give students the convenience of using their One Card instead of carrying cash.

Meal Plan Rolling: *The student's Fall semester meal plan will be automatically assigned to the student for the Spring semester. For a list of current change period dates and additional details, please visit the UNCW student meal plan website at* www.uncw.edu/studentmealplans.

Unused Food Dollars roll over to the next semester if and only if you purchase a meal plan for that semester. Additionally, rolling occurs from summer to fall and fall to spring ONLY. Unused Food Dollars will be rolled into the following semester's account after the meal plan change period for that semester. ***All unused Food Dollars expire at the end of the spring semester.***

2025-2026 On-Campus Voluntary or Off-Campus Meal Plans

*NC sales tax is charged on the Meals portion only at the time of meal plan purchase. Food dollars will be taxed as they are used.
Adding additional Food Dollars or Meals (Block Plans) may be done at any point during the semester after the meal change period. Visit https://www.uncw.edu/studentmealplans for more information.
Meal plans and meal plan rates are set by the university's Board of Trustees and are subject to change.
Contact the One Card/Meal Plans office at 910-962-3560 or email mealplans@uncw.edu with any questions.

TealPay Payment Plan Term Enrollment Fee

Students have the option to enroll in one of UNCW's TealPay payment plans. Three options are available each Fall and Spring to pay the charges on the student's account with three, four or five installment payments during the term. The three-installment payment plan is available in the Summer. Enrollment fees are non-refundable. OAP students are not eligible for the payment plans due to the course duration.

- The UNCW One Card is the UNCW student ID and official form of identification on campus. It allows the use of campus facilities, and provides safe, easy access to student housing, campus facilities, and student labs. With a valid UNCW One Card, students can check out materials at Randall library, ride the Seahawk Shuttle WAVE transit buses at no cost, and much more, including receiving a discount at local merchants through the Seahawk Savings Program. Students also have three accounts they can utilize on the One Card: Seahawk Buck$, Bookstore Dollars, and their Meal Plan. For more information on these accounts, please visit https://www.uncw.edu/onecard.
Seahawk Buck$ is the debit account feature of the UNCW One Card. With prepaid funds, students can make purchases at all food service locations, UNCW Bookstore, vending machines, student copiers, health center, pharmacy, Seahawk

Mail, iPrint locations, iPrint Business Center, and more. Deposits may be made either online using the UNCW One Card Online Management Center online, or at the UNCW One Card Office located in Warwick Center.
Students can track UNCW One Card balances (Food Dollars, Seahawk Buck$, and Bookstore Dollars) at the UNCW One Card Online Management Center or on the smartphone/tablet App called "Transact eAccounts". For more information, visit the UNCW One Card office in the Warwick Center or https://www.uncw.edu/onecard/.

- The university currently has residence facilities for over 5,400 students consisting of traditional residence halls, suite, and apartment style buildings.
All buildings are equipped with air-conditioning, laundry facilities, and Wi-Fi. New incoming freshmen will be required to residen in university owned or managed housing for their first and second year, unless an application for exemption is approved due to maintaining a primary residence with their parents or legal guardian within Brunswick, New Hanover, or Pender County.

Assistantships and Employment

Assistantships

Graduate teaching assistantships are available on a limited basis in the Cameron School of Business, the Watson College of Education, the College of Health and Human Services, and the College of Humanities, Social Sciences, and the Arts. The admission application process determines the candidates for these awards. For information contact the specific department/school or the Graduate School.

Employment

The **Federal Work-Study Program** (FWS), which is federally funded, provides part-time jobs both on and off the UNCW campus or off campus with community service organizations, for students who have demonstrated financial need. Students who submit a FAFSA and answer "yes" or "don't know" when presented with the question regarding wanting federal work study to be considered. Funds are limited and are awarded based upon the date the completed FAFSA is received.

Satisfactory Academic Progress (SAP) for Financial Aid Eligibility (Graduate)

Federal regulations require that students receiving financial aid maintain satisfactory academic progress from both qualitative and quantitative measures: cumulative GPA (3.0), hours earned compared to hours attempted (50%) and maximum time limit (200% of the published length of the program).
Satisfactory Academic Progress and eligibility for financial aid are determined each academic term after grades are available. For more, visit https://uncw.edu/seahawk-life/money-matters/financial-aid/applying-receiving/eligibility.

Appeals

Federal regulations allow for certain cases in which the school may waive the Satisfactory Academic Progress (SAP) standards. Specifically, if a student's failure to be in compliance with one or more areas of satisfactory academic progress is due to events beyond the student's control, such as a student's extended illness, serious illness or death in the immediate family, or other significant trauma, and if such mitigating circumstances can be appropriately documented for the specific term(s) in which the deficiency occurred, the student may appeal to the Office of Scholarships & Financial Aid (OSFA). Eligibility may be regained by appeal. *Contact the OSFA to obtain a Satisfactory Academic Progress (SAP) Appeal form*.

Health Insurance

Health insurance is required for all UNCW students who meet the following three criteria:
• Enrolled in a minimum of 6 credit hours per semester for undergraduates or 1 credit hour for

graduate students, and
• Enrolled in a main-campus degree-seeking program, and
• Eligible to pay the UNCW student health fee.

Students who have their own insurance and do not want to purchase the insurance through the school must complete an on-line waiver each term, providing details about their current insurance plan. Any student who does not waive out of the insurance plan will be charged the premium and automatically enrolled in the program.

Office of Financial Aid

The primary mission of the Office of Scholarships & Financial Aid (OSFA) is to assist prospective and currently enrolled students and their families in securing the most suitable financial aid as the student pursues a degree or teaching certificate at UNCW. Through our outreach efforts, we support the University's mission, including the commitment to public service and the encouragement of access to college. To this end, we administer federal, state and institutional student financial aid programs in excess of $100M to assist UNCW students.

Eligibility for the majority of our programs is determined using the U.S. Department of Education's Federal Methodology.

UNCW offers assistance in the form of scholarships, grants, loans, and Federal Work-Study jobs or a combination of these programs. For most graduate students, federal student loans are the primary source of financial assistance. Students are encouraged to file the Free Application for Federal Student Aid (FAFSA) every October 1st to receive priority consideration for aid. Aid funds are disbursed to the students' account at the beginning of each semester. Aid will continue to be disbursed through the rest of the semester as student's financial aid files become complete. Refunds for overpayments of aid are processed regularly for students who have a credit balance. In order to receive a refund, the student needs to access the Student Accounts website to set up for e-refund to ensure there is no refunding delay. Contact Student Accounts at (910) 962-4281 with any questions about refunds.

To apply for Federal or State financial aid or institutional need-based aid, degree-seeking and teacher certificate students must submit a FAFSA. Some students must submit other documentation as requested by the OSFA. To receive federally-funded financial aid, students must be making satisfactory academic progress as

determined by the OSFA; be a U.S. citizen or eligible non-citizen; and meet other criteria as specified by the U.S. Department of Education including at least half-time enrollment status. Questions concerning financial aid at UNCW should be directed to the OSFA. The office is located in the Warwick Center.

Office: (910) 962-3177 **FAX**: (910) 962-3851

Office of Scholarships & Financial Aid Website

Office of Scholarships & Financial Aid questions: e-mail: finaid@uncw.edu

Veterans Services questions: **e-mail**: veterans@uncw.edu

Student Accounts & Cashier's Office: Student Acocunt Information

Graduate Enrollment Status for Financial Aid Purposes

For financial aid purposes, the following definitions apply for determining graduate enrollment status during the academic year (fall, spring and summer semesters), but this could be assessed differently by external areas like U.S. Department of Veteran's Affairs:

Enrollment Status	Graduate Level Credit Hours*
Full time	9 or more
3/4 time	6.0 - 8.5
1/2 time	4.5 - 5.5
Less than 1/2 time	0 - 4.0

*Number of credit hours in which the student is enrolled at the end of the drop/add period. Students enrolled in a master's program must be earning credit hours in a qualified program in order to be eligible for financial aid. Note: a student may also be considered full-time when enrolled for less than nine hours if one of several conditions are met. See full-time status under the Academic Regulations and Procedures section.

Graduate students must be enrolled at least half-time in graduate-level courses to qualify for most financial aid programs.

Total credit hours for all summer sessions are used to define enrollment status in summer semester for financial aid purposes.

In order to receive a refund in the first session of Summer School, graduate students must be registered for at least 4.5 hours during Summer I. If the student registers for 3 hours in each session, the refund will not be available until the first day of class of the second session. All students, including graduate students, must be attending at

least half-time prior to a refund being issued.
Classes may be held until Summer II aid is applied to your account. Students are responsible for book money and living expenses until Summer II classes start at the end of June.
Students who need summer school aid must complete a summer school application available at www.uncw.edu/finaid after March 1. In order to have summer school aid processed in time to hold classes, the application must be received no later than one week prior to the start of the session you are attending.

The OSFA provides financial aid outreach to educate prospective and currently enrolled students on the financial aid process and on how to manage loans. For more, contact our office or join our Chat Tuesday financial literacy programming offered year-round: https://uncw.edu/seahawk-life/money-matters/financial-aid.

Orientation

All new undergraduate students are required to attend an orientation program prior to the beginning of their first term. The purpose of orientation is to acquaint new students with academic requirements, campus resources, and engagement opportunities.
During main campus orientation, first-year and transfer students will work with an academic advisor, take placement tests as needed, meet their peers, learn about campus resources and register for courses. Registration for orientation is required in advance. More information about orientation can be found at https://www.uncw.edu/orientation.
All new undergraduate students enrolling in online degree programs will be required to complete an online orientation which will include modules about academics, campus and technology resources, and an overview of e-learning. Academic advising will be provided virtually. Program specific orientations may also be required. For more information, please refer to Distance Education & eLearning webpage, https://uncw.edu/myuncw/academics/deel/online-education/online-orientation
Re-enrolling students admitted to any degree program are not required to participate in orientation, as they previously completed the orientation requirement (either in person or online) at the time of their initial enrollment.

On-Campus Housing - Room Rates

Room rates include: **furniture,** rent, utilities, **and** internet.
The term of this agreement is two semesters unless this agreement is expressly approved by the Director of Housing and Residence Life or his/her designee for the spring semester only. The housing rate is paid on a semester basis.
The University reserves the right to change on-campus housing rates at any time without prior notice. A non-refundable **$150 housing application fee** must be remitted with each completed housing agreement. Timely submission of the housing contract and **$150 housing fee** is highly recommended.

2025-2026 Housing Rates

2025-2026 Housing Rates - Traditional Halls	Semester Rates	Yearly Rates
Belk, Galloway, Graham, Hewlett, and Schwartz Hall - Double	$3,697.00	$7,394.00
Cornerstone, Keystone, and Innovation House	$4,164.00	$8,328.00
Pelican and Sandpiper Halls - Double	$4,470.00	$9,480.00
Pelican and Sandpiper Halls - Single	$5,332.00	$10,664.00
University Suites - Double	$4,042.00	$8,084.00
University Suites - Single	$4,286.00	$8,572.00
Terrapin and Loggerhead Halls - Double	$4,838.00	$9,676.00
Terrapin and Loggerhead Halls - Deluxe Double	$4,988.00	$9,676.00
Terrapin and Loggerhead Halls - Single	$5,443.00	$10,886.00

2025-2026 Housing Rates - Seahawk Apartments and Leased Properties	Semester Rates	Yearly Rates
Seahawk Crossing, Landing, and Village	$5,097.00	$10,194.00
Leased Properties	$5,597.00	$11,194.00

Summer School	
Seahawk Summer (per summer school session)	$ 995.00

If you are interested in obtaining information regarding campus housing, please contact:

Housing and Residence Life Office
University of North Carolina Wilmington
601 South College Road
Wilmington, North Carolina 28403-5959
Telephone: (910) 962-3241

On-Campus Required Housing – Meal Plans

All students living in Belk, Cornerstone, Graham, Hewlett, Innovation, Keystone, Loggerhead, Pelican, Sandpiper, Schwartz, and Terrapin are required to have a Hawk plan (Gold, Silver or Bronze). The default meal plan for these locations will be the Hawk Silver, meaning students will have the option to either upgrade their plan to the Hawk Gold or downgrade their plan to Hawk Bronze.

All students living in the University Suites are required to have at least the Block 125 meal plan. The default meal plan for these locations will be the Hawk Silver, but students will have the option to either upgrade to the Hawk Gold, or downgrade to the Hawk Bronze or Block 125.

Meal plan transactions are facilitated on **students'** UNCW One Card ID, and it must be presented at every meal. Student ID cards are not transferable. The All Access plans allow students to treat a friend or family member by using a guest meal at Wagoner Dining Hall, the Shore Dining Hall, and Dub's Cafe, or by using their food dollars or Teal Meals. Teal Meals on the Hawk All Access plans do NOT carry over from one week to the next, and will reset every Sunday morning.

Meal Plan Rolling: *The student's Fall semester meal plan will be automatically assigned to the student for the Spring semester. Changes to meal plans can be made in MySeaport before the change period end date. For a list of current change period dates and additional details, please visit the UNCW One Card student meal plan website at www.uncw.edu/studentmealplans.*
Unused Food Dollars roll over to the next semester if and only if you purchase a meal plan for that semester. Additionally, rolling occurs from summer to fall and fall to spring ONLY. Unused Food Dollars will be rolled into the following semester's account after the meal plan change period for that semester. ***All unused Food Dollars expire at the end of the spring semester.***

2025-2026 On-Campus Housing Meal Plans

Hawk Gold	This plan features 6 Teal Meals (retail) per week, $300 Food Dollars per semester, All Access Meals at Wagoner Hall, The Shore Dining Halland Dub's Cafe, and 5 Guest Meals	$2,789/semester (plus tax*)
Hawk Silver	This plan features 3 Teal Meals (retail) per week, $200 Food Dollars per semester, All Access Meals at Wagoner Hall, The Shore Dining Hall and Dub's Cafe, and 5 Guest Meals	$2,534/semester (plus tax*)
Hawk Bronze	This plan features $100 food Dollars per semester, All Access Meals at Wagoner Hall, The Shore Dining Hall, and Dub's Cafe, and 5 Guest Meals	$2,257/semester (plus tax*)
Block 125	125 Teal Meals (retail) or All Access Meals at Wagoner Hall,The Shore Dining Hall, and Dub's Cafe, $250 Food Dollars and 5 Guest Meals per semester	$1,685/semester (plus tax*)

*NC sales tax is charged on the Meals portion only at the time of meal plan purchase. Food dollars will be taxed as they are used.

Adding additional Food Dollars or Meals (Block Plans) may be done at any point during the semester after the meal change period.
Visit http://www.uncw.edu/studentmealplans for more information.
Meal plans and meal plan rates are set by the university's Board of Trustees and are subject to change.

Contact the One Card/Meal Plans office at 910-962-3560 or
email mealplans@uncw.edu with any questions.

Policy on Return of Title IV Funds

Federal financial aid funds are awarded with the expectation that students will complete the entire period of enrollment. Students "earn" a percentage of the funds they are disbursed with each day of class attendance. When a student who has received federal financial aid funds (Title IV Funds) leaves school before the end of the semester or period of enrollment, federal law requires UNCW to calculate the percentage and amount of "unearned" financial aid funds that must be returned to the federal government. This calculation may have the effect of requiring a return of funds that have already been disbursed to the student. Students are encouraged to meet with their financial aid counselor prior to making the decision to withdraw from school. Once a student has completed more than 60% of the enrollment period, students are considered to have earned all funding received. For more, visit https://uncw.edu/seahawk-life/money-matters/financial-aid.

The OSFA provides financial aid outreach to educate prospective and currently enrolled students on the financial aid process and on how to manage loans. For more, contact our office or join our Chat Tuesday financial literacy programming offered year-round: https://uncw.edu/seahawk-life/money-matters/financial-aid.

Scholarships and Awards

The goal of the Office of Scholarships & Financial Aid at UNCW is to provide students and their families with information on both internal and external scholarship opportunities. Scholarships are gifts of money that do not require repayment.

Scholarships usually recognize special achievements in academics, talent, and leadership. Some

scholarships may also require that students demonstrate financial need. Financial need will be determined by submitting the FAFSA. Scholarships can come from a variety of sources. Scholarships may be awarded by the Office of Scholarships & Financial Aid, Admissions, Honors, and by each of the colleges on our campus. There are scholarships for transfer students as well as students currently enrolled at the university.

UNCW has many scholarships that have been made available through the generous donations of alumni and friends of the university. Scholarship eligibility, criteria, and amounts may vary. Information pertaining to the scholarships available and the application process may be obtained from our University Scholarship Application located in mySeaport and directly through our Scholarship Manager Student Portal. The application opens each December 1 and closes June 1. Students may also find additional information about discipline specific scholarships by contacting the academic department of their intended major or by viewing college Web pages.

See Also:

Student Awards

Some of the organizations listed below are registered with the university through the Campus Activities & Involvement Center as student organizations. For more information about those honor societies, please visit https://uncw.campuslabs.com/engage/organizations

A. Farrell Teague Merit Scholarship for Rising Seniors (Junior)

The Teague Scholarship was created by Arthur Farrell Teague and is used to assist rising seniors who have achieved a high level of academic and extracurricular success during their time at UNCW. Every year a recipient is chosen as the recipient of "The Teague Award." The scholarship is considered a merit scholarship and the recipient will be selected on demonstrated academic ability and special achievement, and must have a comprehensive GPA above 3.5. The scholarship is presented annually at the Division of Student Affairs Cornerstone Awards Banquet.

Adrian D. Hurst Award

Established by Adrian D. Hurst, emeritus professor of mathematics, this award recognizes a UNCW junior or senior math major who has achieved the highest overall academic grade point average. The award is presented each spring in the form of a plaque.

Biological Sciences Achievement Award

This award was established by the faculty of the Department of Biology and Marine Biology to

honor annually the graduating senior biology major who has achieved the highest academic standing. The recipient is identified on a permanent plaque in Friday Hall.

Distinguished Engagement Award (Junior or Senior)

The Distinguished Engagement Award is presented to a select group of junior, senior, and transfer students who have made a significant contribution to UNCW over the course of their undergraduate experience. Recipients must be in good standing with the university and possess a minimum cumulative GPA of 2.75. The award is presented annually at the Division of Student Affairs Cornerstone Awards Banquet.

Excellence in Engagement Award (Sophomore or Junior)

The Excellence in Engagement Award is presented to a select group sophomore, junior, and transfer students for outstanding contributions to improving the quality of student life during their time at UNCW. Recipients must currently be in good standing with the university and possess a minimum cumulative GPA of 2.75. The award is presented annually at the Division of Student Affairs Cornerstone Awards Banquet.

Hoggard Medal For Achievement

"The Hoggard Medal" presented through the generosity of the late Dr. John T. Hoggard, is awarded annually to one graduating senior who, in the opinion of the faculty, has shown the most improvement during their years at the university. The award is presented annually at the Division of Student Affairs Senior Excellence Luncheon.

Margaret Walthour Lippitt Scholarship

The New Student Leader Award is designed to honor a first-year student with a 3.00 GPA or higher who has demonstrated leadership potential, service to UNCW and the community, personal integrity, and significant involvement in campus organizations. The scholarship is presented annually at the Division of Student Affairs Cornerstone Awards Banquet.

Martha M. Duncan Scholarship (Sophomore or Junior)

The Martha M. Duncan Scholarship is presented to one sophomore or junior student. The recipient must be in good standing with the university and possess a minimum cumulative GPA of 3.00. The recipient serves as a "LEAD Fellow" for Student Involvement and Leadership in the department of Campus Life for their scholarship year. The scholarship is presented annually at the Division of Student Affairs Cornerstone Awards Banquet.

Rachel Freeman Service Leadership Award

The Freeman Award, established in honor of the late Mae "Rachel" Freeman, is given to a senior with a cumulative GPA of 2.67 who has demonstrated commitment to bettering the lives of others, leading through examples of service, and the ability to work with others to create social change. The award is presented annually at the Division of Student Affairs Senior Excellence Luncheon.

Pat Leonard Senior Medallion Award (Seniors Graduating in May or December)

The Pat Leonard Senior Medallion Award is the most prestigious award presented by the Division of Student Affairs on behalf of the university community. The award was renamed in 2021 to honor Pat Leonard, the late Vice Chancellor for Student Affairs, and her 37 years of exemplary service to UNCW. Recipients must be in good standing with the university and possess a minimum cumulative GPA of 3.0. The award is presented annually at the Division of Student Affairs Senior Excellence Luncheon.

The Carolyn Elizabeth (Lizzy) Duffy Student Sustainability Award

The Duffy Student Sustainability Award is presented to one student who has been at UNCW at least one semester during the academic year. The recipient must be in good standing with the university and have a minimum 3.0 GPA. The Carolyn Elizabeth (Lizzy) Duffy Student Sustainability Award was created in March of 2015 to honor the efforts of Lizzy, particularly for spearheading the proposal for The Green Initiative Fund, which brought support, resources and visibility to sustainability at UNCW. The scholarship is presented annually at the Division of Student Affairs Cornerstone Awards Banquet.

The Walter Schmid Physics Award

This award has been established in honor of the late Walter Schmid, engineer and inventor, to reward a senior bachelor of science physics major for excellence in physics. The award consists of an engraved plaque and a physics encyclopedia.

UNCW Laureate Award (Sophomore or Junior)

The UNCW Laureate Award, inspired by the Nobel Peace Prize, is presented to one sophomore or junior student. The recipient must be in good standing with the university and possess a minimum cumulative GPA of 3.00. The scholarship is presented annually at the Division of Student Affairs Cornerstone Awards Banquet.

William A. Bryan Senior Leader Award

Student Involvement and Leadership in the department of Campus Life, with the support of the Alumni Association, sponsors the William A. Bryan Senior Leader Award. The award is given to a

senior with a cumulative GPA of 3.00 who has demonstrated outstanding leadership on campus and/or in the community. Special emphasis is placed on integrity, creativity, ability to collaborate, and service to others. The award is presented annually at the Division of Student Affairs Senior Excellence Luncheon.

Honor Societies at UNCW

Beta Alpha Psi

Beta Alpha Psi is a national scholastic and professional accounting fraternity. The primary objective of the fraternity is to encourage and give recognition to scholastic and professional excellence in the field of accounting. This includes promoting the study and practice of accounting; providing opportunities for self-development and association among members and practicing accountants; and encouraging a sense of ethical, social, and public responsibility.
Beta Alpha Psi was founded in 1919. The Iota Alpha chapter at UNCW was chartered in 1996 and is a registered student organization through the Campus Activities and Involvement Center.

Beta Beta Beta National Biological Honor Society

Beta Beta Beta (TriBeta) is a society for students, particularly undergraduates, dedicated to improving the understanding and appreciation of biological study and extending boundaries of human knowledge through scientific research. Since its founding in 1922, more than 175,000 persons have been accepted into lifetime membership, and more than 430 chapters have been established throughout the United States and Puerto Rico. TriBeta is a registered student organization through the Campus Activities and Involvement Center.

Gamma Sigma Epsilon

Gamma Sigma Epsilon, a national honorary chemical society, was founded at Davidson College on December 19, 1919. The society recognizes academic excellence in chemistry and fosters a more comprehensive and cooperative study of chemistry and related scientific disciplines. The organization now has 35 active chapters in 22 states, and is growing rapidly. The Alpha Epsilon chapter was established at UNCW in 2001. Eligibility for membership includes junior or senior standing, a 3.35 GPA on at least 30 hours of chemistry courses, and a 3.35 GPA.

Kappa Delta Pi International Honor Society in Education

Kappa Delta Pi International Honor Society in Education is committed to recognizing excellence and fostering mutual cooperation, support, and professional growth for educational professionals.

Lambda Pi Eta Honor Society

Lambda Pi Eta is the official communication studies honor society of the National Communication Association (NCA). As a member of the Association of College Honor Societies (ACHS), LPH has over 400 active chapters at four-year colleges and universities worldwide. LPH was founded in 1985 at the University of Arkansas. LPH became a part of the National Communication Association (NCA) in 1988, and the official honor society of the NCA in July 1995. LPH is a registered student organization through the Campus Activities and Involvement Center.

Omicron Delta Epsilon Economics Honor Society

Omicron Delta Epsilon was founded by Professor John R. Commons at the University of Wisconsin in 1915. Its objectives include conferring distinction for high scholastic achievement in economics and stimulating and promoting student interest in all aspects of economics. ODE is a registered student organization through the Campus Activities and Involvement Center.

Omicron Delta Kappa Society, Inc.

Omicron Delta Kappa (ODK) is the National Leadership Honor Society that recognizes and encourages superior scholarship, leadership, and exemplary character. Membership in ODK is a mark of the highest distinction and honor.
The society recognizes achievements in scholarship; athletics; campus or community service; social, religious activities, and campus government; journalism, speech and mass media; and the creative and performing arts. Emphasis is placed on the development of the whole person, both as a member of the college community and as a contributor to a better society. ODK is a registered student organization through the Campus Activities and Involvement Center.

Order of Omega

Order of Omega is a leadership honor society for members of Greek-letter organizations. Order of Omega recognizes juniors and seniors who have exemplified high standards in the areas of scholarship, leadership, involvement within their respective organization, and within the Greek, campus, and local communities. Members are selected from the top 3 percent of fraternity and sorority members at each institution. To date, over 500 chapters have been chartered throughout North America, each sharing the common goal of recognizing the many outstanding student leaders at their institution.

Phi Alpha National Honor Society in Social Work

Phi Alpha is a nationally recognized honor society for both undergraduate and graduate students majoring in social work. Founded in 1960, Phi Alpha now includes over 225 chapters. The Eta

Omega Chapter of Phi Alpha was established at UNCW in 1998. The society recognizes students for excellence in scholarship and achievement in the field of social work. Eligibility for membership requires students to major in a CSEW-accredited social work program, have completed 9 semester hours of social work courses, achieved a minimum social work GPA of 3.25, and a minimum overall GPA of 3.00. Phi Alpha is registered as a student organization through the Campus Activities and Involvement Center.

Psi Chi National Honor Society in Psychology

Psi Chi is the national honor society in psychology. It was founded in 1929 in New Haven, Connecticut, to encourage, stimulate and maintain excellence in scholarship, and to advance the science of psychology. Psi Chi is an affiliate of the American Psychological Association and a member of the Association of College Honor Societies. The University of North Carolina Wilmington Chapter of Psi Chi was chartered on May 1, 1981, and is one of approximately 675 chapters nationwide. Psi Chi is registered as a student organization through the Campus Activities and Involvement Center.

A further list of academic honor societies with verified chapters at UNCW may be found at https://www.uncw.edu/aa/Academic_Honor_Societies.html

Chancellor's List and Dean's List

Each semester, outstanding scholarship is recognized in the following tiered manner:

Chancellor's List

The Chancellor's List is composed of the names of all full-time undergraduates who earn a 4.0 semester GPA on all work taken. Eligibility for this designation will be determined once all grades for the semester have been posted and any incomplete or IP grades have been converted.

Dean's List

The Dean's List is composed of the names of all full-time undergraduates who earn

at least a 3.5 semester GPA on all work taken with no grades "B-" or below. Eligibility for this designation will be determined once all grades for the semester have been posted and any incomplete or IP grades have been converted.

Student Loans

Students must complete a FAFSA to initiate the application process and are automatically considered for all Federal Loan programs and Federal Work-Study. Students may borrow up to $20,500 in Direct Student Loans per academic year.

Federal Unsubsidized Direct Student Loans

Federal Unsubsidized Direct Student Loans are available to graduate students who file the FAFSA and otherwise are eligible. Students may borrow up to $20,500 **($33,000 for some health professions)** or the cost of attendance minus all other resources (including financial aid, tuition remissions). Interest begins accruing when the funds are disbursed to the student. Repayment begins when the student graduates or drops below half-time enrollment status. There are a variety of repayment plans. A portion of the loan may be cancelled upon completion of employment under certain terms and conditions. Students must be enrolled at least half-time to be eligible for Federal Direct student loans. More information about the terms and conditions are available at the following
link: https://studentaid.gov/understand-aid/types/loans

PLUS Loans for Graduate or Professional Students

Graduate or professional students are eligible to borrow under the Federal Graduate Direct PLUS Loan Program up to their cost of attendance minus other estimated financial assistance. The terms and conditions applicable to Parent PLUS Loans also apply to Graduate/Professional PLUS loans. These requirements include a determination that the applicant does not have an adverse credit history, repayment beginning 60 days after the last disbursement of the loan, and a fixed interest rate of 7 percent in the Federal Direct PLUS Loan program. Applicants for these loans are required to complete the FAFSA. They must have applied for their annual maximum loan eligibility under the Federal Subsidized and Unsubsidized Direct Loan Program

before applying for Graduate or Professional PLUS loan. They also must complete an entrance counseling session prior to first disbursement and an exit counseling session when the student leaves school.

Master Promissory Note

To receive a Direct Loan or PLUS loan for graduate students, the student is required to complete a Master Promissory Note (MPN) with the U.S. Department of Education Direct Loan Program at https://studentaid.gov. Students may use computers in the OSFA if desired.

Entrance and Exit Counseling

Students who receive a Federal Unsubsidized or Perkins Loan must complete loan entrance counseling prior to receiving the first disbursement of a loan. Students can complete this process at https://studentaid.gov. Students may use computers in the OSFA if desired.
These students must also complete exit counseling at the same location once they graduate or if they withdraw.

Non-Federal and Alternative Loans

Non-federal loans are often referred to as alternative loans because they represent an alternative to the federal loan program, and are typically the only funding option for students in non-degree programs.
The Direct Loans and PLUS Loans generally provide more favorable terms and conditions than non-federal loans, but not always. For that reason, we encourage students and their families to compare terms and conditions of each. Eligibility for non-federal loans is determined by the lender based on credit review. UNCW certifies the loan amount, but has no influence on the credit decision. A very small percentage of students are ineligible for federal loans. The most common reason for this ineligibility is failure to meet UNCW's satisfactory academic progress policy. Please visit **our website** for more information on these financing options.

Tuition, Fees and Policy

The Board of Governors of the university reserves the right to change the charges for tuition, fees and the room and board rate at any time without prior notice.

Tuition and Fees (In Effect at Time of Publication)

University of North Carolina Wilmington's tuition and fees are reviewed and approved by the Campus-Initiated Tuition Increase Committee (includes representation from the student body, faculty, and staff), the UNCW Board of Trustees, and the UNC System's Board of Governors.

Tuition and fees are assessed per credit hour for fall and spring terms up to 12 credit hours for undergraduate students (up to 9 credit hours for graduate students). Undergraduate students enrolled in 12 or more credit hours are considered full-time (9 or more for graduate students) and they are assessed the full-time rates for tuition and fees as listed below.

All programs are categorized as main campus or extension campus. Students are assessed based on the category associated with their program (main campus or extension). Students are able to view the campus code associated with their program in MySeaport - Students. Rates for tuition vary according to the student's status as a resident or non-resident of North Carolina.

All charges on the student account are due and payable per published dates on the Student Accounts website to avoid class cancellation and/or registration, transcript, and diploma holds. Online payments can be made via E-bill in MySeaport. Checks and money orders should be made payable to the University of North Carolina Wilmington and include the student's identification number.

University of North Carolina Wilmington has implemented the Fixed Tuition Program as required by North Carolina General Statute § 116-143.9. As required, in-state tuition rates at all UNC institutions will be fixed for eight consecutive semesters for all resident bachelor's degree-seeking freshmen. Eligible transfer students will have fixed tuition rates for an appropriate number of consecutive semesters, based on the number of transfer credits transferred in from other institutions. The Fixed Tuition program only includes tuition and not fees. Fees may be increased annually. For more information, please see the Student Accounts and Cashier Office website.

Full-Time Charges per Semester for Main Campus

programs (12 or more semester hours):

For FY 2025-26	In-State Students	Out-of-State Students*
Tuition	$2,221.50	$11,298.50
Education &Technology Fees	$281.50	$281.50
Security Fee	$30.00	$30.00
University Fees	$1,160.50	$1,160.50
Total	$3,693.50	$12,770.50

The following student activities fees are included in the full-time tuition and fee amount per semester:

Athletics	$410.00	$410.00
Health	$135.00	$135.00
Media	$6.25	$6.25
SGA	$25.75	$25.75
Student Union	$75.00	$75.00
Recreation and Intramurals	$134.78	$134.78
Postal	$7.50	$7.50
Athletic Facilities Operating	$53.75	$53.75
Cultural Events	$21.48	$21.48
One Card Technology System	$6.00	$6.00
Leadership	$11.50	$11.50
Student Services	$20.00	$20.00
Green Initiative Fund	$5.00	$5.00
Rec Center Expansion Debt	$74.50	$74.50
Recreation Field Expansion	$26.00	$26.00
Union Expansion Debt	$87.50	$87.50
Transportation	$60.00	$60.00
Association of Student Government	$.50	$.50
Total	$1,160.50	$1,160.50

Undergraduate students in main campus programs registering for 12 or more credit hours will be charged at the full-time rate as shown above. Students in main campus programs registering for fewer than 12 credit hours will pay tuition and fees as follows:

In-State Residents	**In-State Students**
Cohort	**Per Credit Hour**
FT 2022-23	$307.80
FT 2023-24	$307.80
FT 2024-25	$307.80
FT 2025-26	$307.80
No Cohort	$307.80

Out of State Residents*	
Per Credit Hour	$1,064.22

*See information on residency at the end of this section.

Full-Time Charges per Semester for Extension programs (12 or more credit hours)

For FY 2025-26	**In-State Students**	**Out-of-State Students***
Tuition	$2,221.50	$11,298.500
Education and Technology Fee	$281.50	$281.50
Security Fee	$30.00	$30.00
Association of SGA Fee	$.50	$.50
Total	$2,533.50	$11,610.50

Note: For Distance Education/Extension courses that require proctored exams, there may be additional fees for the verification of student identity. Students may also be required to find an independent testing facility for these exams. Contact the course instructor for more information.

Undergraduate students in extension programs registering for 12 or more credit hours will be charged at the full-time rate as shown above. Students in extension programs registering for fewer than 12 credit hours will pay tuition and fees as follows:

In-State Students					**Cohort**
Per Credit Hour				FT 2022-23	$211.14
		FT 2023-24	$211.14		
FT 2024-25	$211.14			FT 2025-26	$211.14
		No Cohort	$211.14		

Out of State Residents*

For fixed tuition rates by cohort please see the Student Accounts and Cashier Office website.

* See information on residency at the end of this section.

** The University of North Carolina Wilmington reserves the right to make changes to tuition and fees at any time with the approval of the proper authorities. The University also reserves the right to correct any clerical errors on student accounts. Summer sessions tuition, fees, and refund policy can be found here: https://www.uncw.edu/seahawk-life/money-matters/student-accounts-cashiers-office/tuition-fees/index

Other Fees***:

Charge for Registration Reinstatement of Tuition and Fees (see below)	$75.00
Health Insurance Fees – Premium Plan – per semester (fall and spring)	$1,475.32
Health Insurance Fees – Value Plan – per semester (fall and spring) (default plan)	$1,182.28

Application Fee (to accompany application, nonrefundable)	$80.00
Freshman Orientation Fee	$180.00
UNCW One Card - Student ID	$20.00
Diploma Fee	$12.00

Liability Insurance (Additional charge for courses that require insurance coverage)

$12.00

Parking Annual Rates:

The University's Board of Trustees reserves the right to change parking rates. Please visit the Parking and Transportation website at https://uncw.edu/parking/ to confirm current parking rates. (In effect at time of publication)

All students operating motor vehicles on campus are required to purchase a UNCW Parking permit. Permits are assigned on a "first come, first served" basis based upon time of registration, with no advantage by class standing (i.e., Senior, Junior, Sophomore, Freshman).

Commuter Options:

Deck - premium option (Per Year)	$ 483.00
Zone 1 - premium option (Per Year)	$ 473.00
Zone 2 - premium option (Per Year)	$ 410.00
Park and Ride (Per Year)	$ 290.00
Night/Weekend (Per Year)	$ 164.00

Resident Options:

Resident (Per Year)	$ 410.00
Resident Deck (Per Year)	$ 483.00

Campus Mail:

Rental Rates for Student Campus Boxes (Per Semester)	$11.00
Rental Rates for Summer (Includes both sessions)	$11.00

***Please see Student Account's website for additional course fees.

Charge for Registration Reinstatement of Tuition and Fees

A course registration reinstatement charge will be assessed to students who fail to pay tuition and fees by published deadlines. Students who have not paid tuition and fees by the deadline are subject to cancellation of their registration. Students who have been canceled for non-payment may re-register for the exact classes canceled with a $75 registration reinstatement charge. Appeals for course reinstatement after the add/drop date may be submitted to the Dean of the student's college. Non-attendance or non-payment does not relieve a student of tuition liability. Students who do not plan to attend classes for a term must officially withdraw from the semester by contacting the Office of the Registrar.

UNCW Refund Policy – Fall and Spring Semesters

The university's refund policy complies with the requirements of the university's accrediting agency and the U.S. Department of Education. This refund policy only applies to complete term withdrawals from all courses from UNCW. Students who simply withdraw from an individual class after the drop/add period receive NO refund or reduction of tuition and fees.
Students must follow the official term withdrawal process to receive a refund under the university's policy. To officially withdraw from the university, students must withdraw online via the student portal. Any outstanding financial obligations to the university will be deducted from the amount refunded.

A student who officially withdraws from the university on or before the last day of registration (drop/add period) will receive a refund of the amount paid. Refunds are based on the effective date of the withdrawal. The Tuition/Fees Credit Schedule is posted on the Student Accounts website.
Students completing a term withdrawal will receive refunds as follows:

Date of Complete Withdrawal	Refund Percentage
On or before drop/add	100%
After drop/add but prior to first 20% of the enrollment period	80%
Between the first 20% and the end of the first 40% of an enrollment period	50%
Between the first 40% and the end of the first 60% of the enrollment period	25%
After the end of the first 60% of the enrollment period	0%

Declining balance portions of room and board plans will be refunded separately.

This refund policy applies to complete term withdrawals from UNCW. Note: Before officially withdrawing, students should check with their financial aid counselor to understand any financial aid implications.

UNCW Refund Policy - Summer Sessions

Because of the short duration of summer school sessions, summer session charges are not refundable after the drop/add period.

Residence Status for Tuition Purposes

A student's status as an in-state or out-of-state resident for tuition purposes determines the tuition rate charged for the student. A student's residency status is determined by the North Carolina Residency Determination Service (RDS) under the authority of the North Carolina State Education Assistance Authority.
Students seeking to establish or update their residency status are required to complete the process offered by RDS and to provide UNCW with the Residency Classification Number (RCN) for their status. Students who do not have an RDS determination or who do not provide their RCN default to out-of-state status. Students with an expired residency status default to out-of-state and need to renew their status through RDS.
Refer to RDS at ncresidency.org or 844-319-3640 for information on how residency is determined and completing the process.
The deadline to be changed to in-state residency status for an in-progress semester is set by the UNC System and published on the UNCW calendar. Students who receive a change in status with an RDS effective date after the UNC System deadline will have the in-state status take effect the following semester.
There are several state-authorized tuition benefits that provide the equivalent of the in-state rate to qualifying out-of-state students. Refer to RDS for information on these benefits and how to qualify.

Veteran's Benefits

OSFA provides certification for educational benefits to veterans and/or their eligible dependents, enrolled at the University of North Carolina Wilmington. Chapter 32 (VEAP), Chapter 1606/1607 (reservists from all branches of the services, and Chapter 30 (individuals who served on active duty), Chapter 33 (Post 9-11), and transfer of Benefits (T.O.E.) veterans who feel they have an entitlement should check with their local VA Office, the Regional Office in Atlanta (1-888-GIBill1) or the VA certifying official at their local educational institution. You may also obtain information at www.gibill.va.gov.
The exception to the above is:

- A veteran who has a 20 percent or greater disability due to a service-connected cause(s) may be eligible for benefits under Chapter 31. Check with the Veterans Affairs Regional Office (1-800-827-1000).

A goal of the OSFA is to assist students eligible for veterans' benefits with counseling regarding their coursework and benefits while they work to successfully

complete their desired educational objective within the guidelines of the North Carolina State Approving Agency. The monitoring of attendance, successful completion of courses and the pursuit of appropriate curricula are required. Services to veterans and dependents include referrals to peer and professional counseling, employment, community outreach services, tutorial services and special programs for educationally disadvantaged veterans.

Before each semester, the OSFA emails all VA students notifying them that their benefits will be processed for the upcoming semester and that they can reply if they wish to not use their benefits for that semester. Changes in the veteran's course of study must be cleared with the Veterans Services coordinator to ensure continuation of benefits. For changes in status or further information about veteran benefits and eligibility requirements, students should contact the OSFA at (910) 962-3177, Fax (910) 962-3851 or e-mail to: veterans@uncw.edu.

The OSFA provides financial aid outreach to educate prospective and currently enrolled students on the financial aid process and on how to manage loans. For more, contact our office or join our Chat Tuesday financial literacy programming offered year-round: https://uncw.edu/seahawk-life/money-matters/financial-aid.

See also:

- https://uncw.edu/seahawk-life/support-success/military-veterans/

The Office of Military Affairs is a support and advocacy office that was established in March 2016 to develop and coordinate resources to help military affiliated students - those currently serving, veterans, and their family members - achieve their academic and career goals.

Our staff members help students and their families learn how to navigate the university while helping faculty and staff understand and serve this important student population.

Our offices are located in the amazing Military Affairs Wing in Veterans Hall Room 1029. Office hours are Monday-Friday, 0800-1700.

For more information on UNC System Policy 700.7.1. for Military Student Success, including Deferral of Enrollment and Call to Duty, see the policy here: https://www.northcarolina.edu/apps/policy/doc.php?type=pdf&id=852

Voluntary On-Campus Housing or Off-Campus Living – Meal Plans

UNCW offers voluntary meal plans for students living off campus or upperclassmen living in Voluntary On-Campus Housing, consisting of Seahawk Village, Seahawk Landing, or Seahawk Crossing. The plans are designed to give students the convenience of using their One Card instead of carrying cash.

Meal Plan Rolling: *The student's Fall semester meal plan will be automatically assigned to the student for the Spring semester. For a list of current change period dates and additional details, please visit the UNCW student meal plan website at* www.uncw.edu/studentmealplans.

Unused Food Dollars roll over to the next semester if and only if you purchase a meal plan for that semester. Additionally, rolling occurs from summer to fall and fall to spring ONLY. Unused Food Dollars will be rolled into the following semester's account after the meal plan change period for that semester. ***All unused Food Dollars expire at the end of the spring semester.***

2025-2026 On-Campus Voluntary or Off-Campus Meal Plans

Hawk Gold	This plan features 6 Teal Meals (retail) per week, $300 Food Dollars per semester, All Access Meals at Wagoner Hall, The Shore Dining Hall, and Dub's Cafe, and 5 Guest Meals	$2,789/semester (plus tax*)
Hawk Silver	This plan features 3 Teal Meals (retail) per week, $200 Food Dollars per semester, All Access Meals at Wagoner Hall, The Shore Dining Hall, and Dub's Cafe, and 5 Guest Meals	$2,534/semester (plus tax*)
Hawk Bronze	This plan features $100 Food Dollars per semester, All Access Meals at Wagoner Hall, The Shore Dining Hall, and Dub's Cafe, and 5 Guest Meals	$2,257/semester (plus tax*)

Block 125	125 Teal Meals (retail) or All Access Meals at Wagoner Hall, The Shore Dining Hall, and Dub's Cafe, $250 Food Dollars and 5 Guest Meals per semester	$1,685/semester (plus tax*)
Block 85	85 Teal Meals (retail) or All Access Meals at Wagoner Hall, The Shore Dining Hall, and Dub's Cafe, $150 Food Dollars and 5 Guest Meals per semester	$1,136/semester (plus tax*)
Block 50	50 Teal Meals of All Access Meals, and $50 Food Dollars per semester	$ 636/semester (plus tax*)
Sammy $600	$600 Food Dollars	$600 (plus tax*)
Sammy $400	$400 Food Dollars	$400 (plus tax)

*NC sales tax is charged on the Meals portion only at the time of meal plan purchase. Food dollars will be taxed as they are used.
Adding additional Food Dollars or Meals (Block Plans) may be done at any point during the semester after the meal change period. Visit https://www.uncw.edu/studentmealplans for more information.
Meal plans and meal plan rates are set by the university's Board of Trustees and are subject to change.
Contact the One Card/Meal Plans office at 910-962-3560 or email mealplans@uncw.edu with any questions.

TealPay Payment Plan Term Enrollment Fee

Students have the option to enroll in one of UNCW's TealPay payment plans. Three options are available each Fall and Spring to pay the charges on the student's account with three, four or five installment payments during the term. The three-installment payment plan is available in the Summer. Enrollment fees are non-refundable. OAP students are not eligible for the payment plans due to the course

duration.

Payment Plan Options (see below):	
TealPay Payment Plan Enrollment Fee - 5 pay plan	$30.00
TealPay Payment Plan Enrollment Fee - 4 pay plan	$40.00
TealPay Payment Plan Enrollment Fee - 3 pay plan	$50.00

UNCW OneCard

The UNCW One Card is the UNCW student ID and official form of identification on campus. It allows the use of campus facilities, and provides safe, easy access to student housing, campus facilities, and student labs. With a valid UNCW One Card, students can check out materials at Randall library, ride the Seahawk Shuttle WAVE transit buses at no cost, and much more, including receiving a discount at local merchants through the Seahawk Savings Program. Students also have three accounts they can utilize on the One Card: Seahawk Buck$, Bookstore Dollars, and their Meal Plan. For more information on these accounts, please visit https://www.uncw.edu/onecard.

Seahawk Buck$ is the debit account feature of the UNCW One Card. With prepaid funds, students can make purchases at all food service locations, UNCW Bookstore, vending machines, student copiers, health center, pharmacy, Seahawk Mail, iPrint locations, iPrint Business Center, and more. Deposits may be made either online using the UNCW One Card Online Management Center online, or at the UNCW One Card Office located in Warwick Center.

Students can track UNCW One Card balances (Food Dollars, Seahawk Buck$, and Bookstore Dollars) at the UNCW One Card Online Management Center or on the smartphone/tablet App called "Transact eAccounts". For more information, visit the UNCW One Card office in the Warwick Center or https://www.uncw.edu/onecard/.

University Owned and Managed Housing

The university currently has residence facilities for over 5,400 students consisting of traditional residence halls, suite, and apartment style buildings.

All buildings are equipped with air-conditioning, laundry facilities, and Wi-Fi. New incoming freshmen will be required to residen in university owned or managed housing for their first and second year, unless an application for exemption is approved due to maintaining a primary residence with their parents or legal guardian within Brunswick, New Hanover, or Pender County.

The Campus & Student Life

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The university holds membership in the National Collegiate Athletic Association and the Coastal Athletic Association. Varsity intercollegiate teams are fielded for men in basketball, cross country, baseball, golf, soccer, tennis, swimming and diving, and outdoor track and field. Varsity intercollegiate teams for women are fielded in basketball, cross country, softball, golf, soccer, tennis, swimming and diving, volleyball, beach volleyball and indoor/outdoor track and field.

Mission Statement

UNCW Athletics enriches the university through a commitment to developing leadership qualities among its student-athletes by providing opportunities which support and promote academic excellence, community engagement, and competitive success.

Core Values

UNCW Athletics is committed to and intentional about allowing these beliefs to drive its decision-making and serve as the foundation for future growth.
STUDENT-ATHLETE FOCUSED: Put student-athlete development and success at the center of everything we do, by producing leaders, productive citizens and friends of the university.
COMMUNITY: Educate, enhance, serve and engage constituents of the athletics department through stewardship at local, regional and global levels.
EXCELLENCE: Be conference and national leaders through competitive success, academic performance and a complete student-athlete experience.
INTEGRITY: Operate with the highest standards of ethics, sportsmanship, honesty, trust, dignity and respect.
INNOVATION: Adopt best practices in everything we do, and foster new ideas and methods by being proactive, distinctive and resourceful.
DIVERSITY: Create, maintain and celebrate an environment that is fair, embracing and inclusive to all people.
The Equity in Athletics Disclosure Act report is available online at www.uncwsports.com by clicking on the Inside Athletics tab and then on the EADA Report.

Priorities

Priority I: Attract & Retain Outstanding Student-Athletes, Staff and Coaches
Priority II: Enhance Diversity, Inclusion & Equity
Priority III: Promote Academic, Competitive and Service Excellence
Priority IV: Provide the Highest Quality Experience for Students
Priority V: Engage Partners To Support Our Success
Priority VI: Enable Fiscal Sustainability
Priority VII: Fund and Build Facilities
Our mission vision and values guide our athletic community and foster a sense of

family among the Seahawk Nation. The tenets that make competing as a UNCW Seahawk Student-Athlete unique include:

- Striving for excellence in all phases of campus life including academics, competition, leadership and service.
- Embracing the student-athlete experience as preparation for success at the highest levels in one's life after graduation.
- Enjoying a comprehensive university experience, including broad engagement and involvement in the fabric of campus life.
- Taking care of one's self by nurturing the body, mind and spirit, and using resources available to help foster success in these realms.
- Feeling an indelible sense of pride to represent UNCW at the highest competitive level.
- Accepting that as ambassadors of UNCW, student-athletes will apply the highest self-accountability and informed decision-making, promote inclusion and diversity in the broadest sense, and treat others with the utmost dignity and respect on campus and in the community.
- Expecting that students, faculty and staff will support student-athletes and UNCW Athletics in the classroom, on campus and in competition.
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The University of North Carolina Wilmington is located in the southeastern part of the state on a 661-acre tract midway between the Cape Fear River and the Atlantic Ocean. The city of Wilmington is situated on the east bank of the Cape Fear River about 15 miles from Carolina Beach and 10 miles from Wrightsville Beach. The metropolitan statistical area, of which Wilmington is a part, now has a population in excess of 360,000. Several main highways lead into the city, and commercial air service provides easy access to other metropolitan areas north, south, and west. Ocean breezes and the nearness of the Gulf Stream give Wilmington a delightful year-round climate, and the area's proximity to the ocean provides unlimited recreational opportunities.

The spacious well-landscaped campus was first occupied by the university in 1961. The number of buildings has increased from three in 1961 to 162 today, dispersed across a coastal pine savannah habitat. The buildings on the campus are of modified Georgian architecture, including academic, administrative, student life, residence, dining, athletic, and support buildings, all of which are completely air-conditioned. There are several athletic fields and intramural fields.

Campus Map

Click here to view the Campus Map.

Buildings

For information on university buildings, click here.

Herbert Bluethenthal Memorial Wildflower Preserve

The Herbert Bluethenthal Memorial Wildflower Preserve is a 10-acre memorial botanical garden located on the UNCW campus. Established in 1972, its purpose is to provide a place where the university community and the public can learn about and enjoy our native plants and their habitats. Many of the plants are labeled, and maps and trail guides are available at the entrance.

EV-Henwood Nature Preserve

Ev-Henwood is UNCW's coastal forest research and teaching station located in Brunswick County. It is only a short 30-minute drive from the university campus and is available for nature study and appreciation, student and faculty research, and class field trips. Included in its 110 acres are oak/hickory woods, pine forests, and low woods along the bordering Town Creek and its branches. Additional habitats such as ponds and fields are available nearby.

UNCW Long-Term Ecosystem Reserve

This 750 acre parcel of undisturbed bottomland hardwood forest, tidal creeks, and wetland marshes bordered by the Northeast Cape Fear River, Cowpen Road, and NC Highway 421 supports non-destructive teaching and research activities. The property is uniquely situated within the upper tidal region of the Cape Fear estuary. Although most of the property consists of tidal freshwater creeks and adjacent marsh, detectable salinity can occasionally be measured during drought periods. Because of this location, this area/habitat is expected to be among the early regions to be significantly affected by sea level rise over the next several decades, making it ideal for research into the effects of climate change on coastal ecosystems and ecosystem dynamics.

Art Exhibitions

Monthly exhibitions of painting, sculpture and the graphic arts are held in a variety of spaces on campus including: UNCW Library, Cultural Arts Building, Campus Life facilities, and the Ann Flack Boseman Gallery. Student art is often featured. Campus Life also features its permanent art collection of student artwork on display year round in the Fisher Student Center, Fisher University Union, and Burney Center. All exhibitions are open to the public without charge. Student art is also displayed outside the Office of the Vice Chancellor for Student Affairs in Alderman Hall.

Association for Campus Entertainment

The Association for Campus Entertainment (ACE) coordinates many of the events

that take place on campus including novelty act entertainment, concerts, Friday and Saturday night films in Lumina Theatre, and campus spirit and homecoming activities. This dynamic student-run organization is comprised of several committees including Arts, Activities, Films, Concerts, Spirit, and Homecoming. If you are interested in more information about events or joining a committee, stop by the ACE Office in the Campus Activities and Involvement Center in the Fisher Student Center, Room 2029, or email ace@uncw.edu.

Performing Ensembles

Membership is open to any student who has had instrumental or vocal experience, with the approval of the director of the particular ensemble.

Concert Choir and Chamber Singers

The University Concert Choir and small ensemble, the Chamber Singers, regularly act as ambassadors for the university and appear on radio and television. The Concert Choir performs at least two on-campus concerts each year and tours during spring break. On occasion, the choir has participated in joint stage productions of opera and musical comedies with the drama program.

Jazz Ensembles

In addition to the Big Band, UNCW has several small groups that play both mainstream and fusion jazz. The Big Band has produced recordings, while the small groups have garnered awards at jazz festivals and have recorded as well. Also, each year the jazz ensembles perform with some of today's top jazz artists

during the annual UNCW Guest Artist Jazz Festival.

Wilmington Symphony Orchestra

The orchestra's annual subscription series includes five concerts performed in UNCW's Kenan Auditorium, the principal concert hall in Wilmington. Orchestra members include UNCW students and faculty, as well as musicians from the community.

Wind Ensemble

The Wind Ensemble is organized each semester to provide instrumental music experience for wind players in a large ensemble. This ensemble performs two concerts each year in Kenan Auditorium and tours annually in the spring.
Other instrumental ensembles include the Pep Band, the Brass Ensemble, the Saxophone Ensemble, the Flute Choir, the Guitar Quartet, the Percussion Ensemble and various Chamber Ensembles.

Vocal Ensembles

The University of North Carolina Wilmington Concert Choir is organized each semester to provide vocal musical experience for those students who desire it. Membership is open to any student in the university, with the approval of the director, and any participant may earn credit. Participation by non-music majors may be supplemented by private lessons, also for credit.
The University Concert Choir and small ensemble, The Chamber Singers, regularly provide music for university functions, appear on radio and television, and act as ambassadors from the university at a wide spectrum of community functions.

The UNCW Concert Choir's yearly activities have included at least two on-campus concerts and an extensive tour during the spring holidays. On occasion, the choir has participated in large, joint stage productions of opera and musical comedies with the drama division.

Storytelling in the Community

University students may enroll in COM 212 Storytelling in the Community, a two-credit hour course in which students are instructed and coached to visit local elementary schools and perform stories for children. In this manner, students learn to apply theoretical concepts related to performance and audience adaptation in actual settings. The course and activities emphasize interactive storytelling that directly involves audience members.

University Theatre

The University Theatre is a student-oriented theatre dedicated to the continuing development of all theatre practitioners. It strives to produce a total theatrical experience to support the educational, creative, and recreational potential of a campus-based theatre.
Two major productions are presented each semester, with student productions presented on demand. Participation is not limited to theatre majors.
See also: [[permalink=4122|dynamic:{'title':1}]][[/permalink]]

Campus Activities and Involvement Center

The Campus Activities and Involvement Center (CAIC) is students' gateway to entertainment and involvement on campus. As part of the Division of Student Affairs, we are "creating experiences for life" by providing opportunities for students to participate actively, grow personally and explore new ideas and interests through a variety of entertainment and involvement experiences, including the annual Involvement Carnival. Our staff, and the students with whom we work, are committed to creating a vibrant campus community filled with diverse activities for all students. Students interested in learning how to get engaged with student organizations, hone their leadership skills, or simply to find out about events and activities can do so on WaveLink at https://uncw.campuslabs.com/engage.

Campus Activities

Campus Activities and Programs coordinate and promote opportunities to cultivate connection and social engagement for UNCW students. Our programs include: Association for Campus Entertainment (ACE); Ann Flack Boseman Gallery; Campus Life Marketing; Leadership Lecture Series; UNCWeekends; Campus Life Union Events; Summer @ the Dub; and the university-wide coordination of Fall and Spring UNCWelcome. For more information on Campus Activities & Programs, visit the Campus Activities and Involvement Center (CAIC) in the Fisher Student Center, Room 2029 or email clprograms@uncw.edu.

Summer @ the Dub

Summer @ the Dub features a comprehensive calendar of campus and community events for students throughout the summer months, including activities such as outdoor recreation, special events, summer sporting event tickets, and much more. For more information, visit the Campus Activities and Involvement Center (CAIC) in the Fisher Student Center, Room 2029 or email clprograms@uncw.edu.

Campus Dining

UNCW Campus Dining is committed to providing culinary options to satisfy diverse tastes. We deliver fresh and healthy food while also providing a high-quality experience prepared by professionally trained staff and award-winning chefs. Campus Dining locations are open to meet the schedules of students, staff and faculty.
Campus Dining offers four convenience stores on campus. These provide a wide range of ready to eat meals as well as pre-packaged snacks, drinks and more!
UNCW Campus Dining features several national brands throughout campus: Starbucks, Chick-fil-A, Panda Express, Subway, Einstein Bagels, Dunkin Donuts, and a Wilmington local favorite, Port City Java located in Randall Library. Local Restaurant Row is located in Hawk's Nest and provides a space for local restaurants to pop up on campus to offer students more variety and a taste of Wilmington right here on campus!
For a full listing of dining locations and Meal Plan options, visit www.uncw.campusdish.com. Information about On-Campus Required and on-Campus Voluntary/Off Campus Meal Plans is available at http://uncw.edu/studentmealplan. Contact us at 910.962.3560, or see the Auxiliary Services One Card office in Warwick Center for more information.
See also:

Campus Life Facilities

Student life is enriched at UNCW by a broad spectrum of activities, many of which occur in or around the Campus Life facilities, which includes the Fisher Student Center, Fisher University Union, Burney Center and Warwick Center. The Fisher Student Center is a 73,000 square foot facility which houses student organization offices in the Campus Activities and Involvement Center, the Student Media Center, meeting rooms, lounges, study areas, the University Bookstore, Lumina Theater – a 330-seat movie theater, and views of the Campus Commons.
The Fisher University Union is a 62,000 square foot facility that houses the Hawk's

Nest food court concepts and dining space. Services in this facility include the post office, the Passport Office, and Provisions on Demand (a convenience store). Many student service offices, including the Career Center, Transition Programs, the Upperman African American Cultural Center, Centro Hispano, the Mohin-Scholz LGBTQIA Resource Office, the Asian Cultural Heritage Center, and the Campus Life Administrative Office are located in the Fisher Union. In addition, the Ann Flack Boseman Gallery is located on the second floor of the Fisher University Union with art on exhibit throughout the year.

The Burney Center houses the largest multipurpose ballroom space on campus. The Campus Life Reservation and Event Services office, which is located in the Fisher University Union, will be happy to speak with you about this and other reservable spaces in any of the Campus Life facilities.

The Warwick Center houses a large multi-purpose room which can be divided into as many as three smaller spaces. Areas of the multi-purpose room are available to the university community and the community at large for meetings, and conference proceedings. Dub's Café, area is also located in the Warwick Center, as is the new UNCW Swap Shop where students can donate and access free clothing and other items.

Campus Life facilities and Campus Commons are student-oriented facilities in the center of campus that are welcoming, adaptable, well maintained, safe and accessible. These facilities are intentionally designed to be inviting and to encourage interaction with the community. As is the case for all campus facilities, it prominently features copies of the UNCW Seahawk Respect Compact.

Housing and Residence Life

The Department Office of Housing and Residence Life is responsible for the development of educational, cultural and social programs to enhance student life on campus. The goal of the Housing and Residence Life program is to create an environment conducive to academic pursuits and the personal growth of resident students. More than **250** Residence Life staff are responsible for the supervision of resident students in the residence halls, on-campus apartments, and suite-style buildings.

The university has residence hall facilities for over **5,000** students. All rooms are air-conditioned and furnished. Wifi and Ethernet computer networking, which allows student computers to access university software, has been installed in all residential facilities. Laundry facilities are available. The Residence Life program offers opportunities for student employment and leadership positions through hall governance. Students in all traditional residence halls**,** University Suites, Pelican, Sandpiper, Terrapin, and Loggerhead Halls, are required to participate in the university meal plan program. Sophomores, Juniors and Seniors who reside in **other locations** will not be required to have a university meal plan.

Student Media

Founded in 1948, *The Seahawk*, the student newspaper, publishes a weekly online edition (www.theseahawk.org) throughout the calendar year. The paper's staff is composed entirely of students interested in journalism, multimedia and computer-assisted design. *Atlantis*, the student creative arts magazine, publishes literature and art created by student writers and artists from throughout the UNC system. The magazine is funded by student fees and advertising and sponsors public readings and art exhibits. TealTV is a student-run production unit that provides students hands-on experience in script writing, video production, broadcast journalism, digital-video editing, announcing and reporting. Founded in 1999, TealTV produces several original programs including "Seahawk Central News," a program of campus news and information. TealTV's programs air regionally on Time Warner Cable channel 5 and on the UNCW's closed-circuit channel 77. Together, *The Seahawk* and "Seahawk Central" play valuable roles within UNCW's interdisciplinary Journalism Minor. UNCW Student Media Sales & Marketing provides the program's student publications with advertising and underwriting sales and marketing services and provides training for students interested in the business of media. UNCW Student Media also serves as home to other student organizations interested in mass media, such as Hawkstream Radio (podcasting station), and Flicker Film Society, which produces original student films and sponsors the annual Reel Teal Festival.
The Student Media Board (SMB) is UNCW Student Media's governing body. A

chancellor's advisory board, the SMB advises student publications and works to ensure their First Amendment rights. Comprised of students, faculty, university staff and community professionals, the SMB allocates budgets and provides financial oversight. Applications for two student-at-large positions, appointed to the board annually, are accepted in the spring semester. More information about UNCW Student Media is available online at https://uncw.edu/studentmedia/index.html.
See also:

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https://uncw.edu/seahawk-life/health-wellness/campus-recreation/
The Department of Campus Recreation provides a multi-faceted program that includes the following programmatic areas: Group Fitness, Personal Training and Fitness Programs, Intramural and Sport Clubs, Aquatics, Adventure Recreation, Informal Recreation, and Member Services. We believe in a "Something for Everyone" philosophy to programming and services. To accomplish our mission, the department is home to various facilities:

- The Pat Leonard Student Recreation Center contains an aquatics facility (indoor lap pool and outdoor leisure pool), functional strength training area, 6 courts (used for basketball, volleyball, badminton, pickleball) 2 MAC (multi-purpose activity courts) for indoor soccer and special events, a 30 ft. rock climbing wall, adventure equipment check-out center, racquetball courts, the walking/jogging track, and many other functional recreational areas and amenities.
- The Recreational Field Complex is a 11-acre outdoor field complex with three lighted multipurpose fields (two synthetic turf and one natural grass), two operations buildings with restrooms, equipment check-out, vending machines, and water/bottle filling stations.
- The Shoreline Sports Complex is a 6.5-acre outdoor sports complex with four lighted sand volleyball courts, four lighted basketball courts, four lighted tennis courts (two courts lined for pickleball), one lighted large grass field, one lighted smaller grass field, outdoor fitness area, pavilion building (seating, equipment check-out, and restrooms), multiple water/bottle filling stations.
- The Adventure Recreation Challenge Course consists of both a high and low ropes course. The high ropes course is a structure that stands around 35 ft. tall with 12 bridge-like elements, giant swing, zipline, flying squirrel, high-5, fidget ladder, and ground school. The low ropes course can utilize a variety of the 12 element structures and spaces that are available.
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https://uncw.edu/seahawk-life/support-success/military-veterans/
The Office of Military Affairs is a support and advocacy office that was established in March 2016

to develop and coordinate resources to help military affiliated students - those currently serving, veterans, and their family members - achieve their academic and career goals.

Our staff members help students and their families learn how to navigate the university while helping faculty and staff understand and serve this important student population.

Our offices are located in the amazing Military Affairs Wing in Veterans Hall Room 1029. Office hours are Monday-Friday, 0800-1700.
For more information on UNC System Policy 700.7.1. for Military Student Success, including Deferral of Enrollment and Call to Duty, see the policy
here: https://www.northcarolina.edu/apps/policy/doc.php?type=pdf&id=852

- https://uncw.edu/about/university-administration/student-affairs/departments/campus-life/student-resource-centers

Asian Heritage Cultural Center https://uncw.edu/seahawk-life/get-involved/students/asian-heritage-cultural-center/

Centro Hispano creates a responsive educational, scholarly and social environment for Latinx students, faculty and others interested in Hispanic and Latinx culture. Primarily, the goal of Centro Hispano is to support the rapidly growing number of Latinx students applying, attending and completing degrees at UNCW. Centro Hispano promotes opportunities that broaden understanding and appreciation of diverse Hispanic cultures, offer resources that maximize the success of each student, and most importantly, provides a place where every student feels at home while striving for success. Furthermore, the center supports the research, teaching and service components necessary for the training and preparation of global citizens. It also informs, guides and champions UNCW's engagement with the region on issues critical to Latinx constituencies.

Centro Hispano
https://uncw.edu/seahawk-life/get-involved/students/centro-hispano/

Centro Hispano creates a responsive educational, scholarly and social environment for Latinx students, faculty and others interested in Hispanic and Latinx culture. Primarily, the goal of Centro Hispano is to support the rapidly growing number of Latinx students applying, attending and completing degrees at UNCW. Centro Hispano promotes opportunities that broaden understanding and appreciation of diverse Hispanic cultures, offer resources that maximize the success of each student, and most importantly, provides a place where every student feels at home while striving for success. Furthermore, the center supports the research, teaching and service components necessary for the training and preparation of global citizens. It also informs, guides and champions UNCW's engagement with the region on issues critical to Latinx constituencies.

Mohin-Sholz LGBTQIA Resource Office
https://uncw.edu/seahawk-life/get-involved/students/lgbtqia-resource-office/

The Mohin-Scholz LGBTQIA Resource Office at the University of North Carolina Wilmington supports lesbian, gay, bisexual, transgender, questioning, intersex and allied students, faculty, staff, and alumni. Our office works to create a safe and inclusive environment for the LGBTQIA community and contribute to a culturally rich campus. Additionally, the office works both to raise awareness and inclusion of sexual and gender minorities and to provide information, referral, support, and programming to the UNCW Community. We do this through community building, advocacy, social justice and diversity education and the development of global citizens. All members of the UNCW campus are welcome, regardless of gender

identity or other factors.

Upperman African American Cultural Center https://uncw.edu/seahawk-life/get-involved/students/african-american-cultural-center/

The Upperman African American Cultural Center (UAACC) provides UNCW students, faculty, staff, and others interested in African and African American culture a central location from which they can experience the rich heritage of African diaspora through scholarly and cultural workshops, presentations, exhibits, performances, lectures, and print and visual media. Working collaboratively with campus and community partners, the UAACC works to positively impact the recruitment, retention, and academic achievement of black students at UNCW, and contribute to the preparation of *all* UNCW students to excel in an increasingly diverse world.

- The Office of the Dean of Students is committed to advocacy and education centered on student growth and self-responsibility by serving as a central resource for UNCW students, faculty and staff. Through collaboration with the university and Wilmington community, we provide assistance to members of the UNCW community by: educating students about their rights and responsibilities as members of our community; assisting students, faculty and staff with interpretation of campus policies, including the Code of Student Life and the Student Academic Honor Code; training and educating faculty, staff and students on community standards and conflict resolution; establishing grievance and conflict resolution procedures; referring students to myriad resources to increase the likelihood of their success; assisting in the coordination of 24 hour emergency and crisis response; and providing resources and education for special populations including fraternity & sorority life members and off campus students. Our mission is to foster a respectful and dynamic community that affirms the value and contributions of each individual and which harbors and elevates democracy, civility, and diversity as paramount

values.

The following services and programs are coordinated and managed through the Office of the Dean of Students: Off-Campus Student Services; Alternative Dispute Resolution; Cornerstone Community Standards; Student Conduct; Student Academic Honor Code and Case Management (student behavioral intervention/resource referral). Student rights and responsibilities are communicated through the Code of Student Life, and we adjudicate academic and behavioral violations through the campus conduct system. Our staff is vested in the success of every student, and we invite you to access us as partners in assisting you in your roles as students, faculty and staff at UNCW. If you have any questions or need assistance, please contact the Office of the Dean of Students at (910) 962-3119, by e-mail at deanofstudents@uncw.edu or visit our website at www.uncw.edu/odos.

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The Office of Title IX and Clery Compliance is committed to providing an inclusive and welcoming environment for all students, faculty, staff, and visitors. All members of the UNCW community are expected to engage in conduct that contributes to its culture of integrity and honor that we always strive to maintain. The university prohibits its faculty, staff and students from engaging in any form of discrimination, protected-status harassment, sexual harassment, and sexual violence, and retaliation and expects these individuals to refrain from committing acts of discrimination, bias, or sexual violence. In compliance with federal and state law and university policy, the university maintains processes to provide redress and remediation to individuals or groups who believe they have been victims of these offenses. If you have any questions or need assistance, please stop by the Office of Title IX and Clery Compliance in DePaolo Hall Room 1003 or call 910-962-2937, email: titleix@uncw.edu. You may also visit: https://www.uncw.edu/titleix/ for more information and links to the relevant policies.

CARE: Campus Advocacy, Resources and Education

CARE: Campus Advocacy, Resources and Education is the office at UNCW

dedicated to relationship education, interpersonal violence prevention and crisis response/advocacy. CARE offers education about relationship issues, including healthy relationship skill-building and consent, as well as prevention of interpersonal abuse and violence, sexual assault, stalking, exploitation and harassment. We offer confidential consultations, crisis counseling, advocacy, accompaniment and referrals to students, staff and faculty who have experienced victimization, as well as those students, faculty, staff or others concerned about a loved one affected by abuse or violence. CARE additionally offers educational programming, awareness-raising events and bystander intervention trainings. CARE is available 24 hours a day through our hotline at (910) 512-4821.
For more information, call (910) 962-CARE, or (910) 512-4821 after business hours, stop by our office in DePaolo Hall, Suite 103, or visit our Web site at www.uncw.edu/care.

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https://www.uncw.edu/outreach/
UNCW is engaged with Southeastern North Carolina through innovative programs of lifelong and professional learning, applied research, and service that result in measurable improvements in our region's social and economic condition. We advocate for and support sustained, issue-specific partnerships between faculty, staff, and students and regional business, nonprofit, and government organizations, we support academically-based programs that enrich the lives of the youth and adults living in Southeastern North Carolina. Opportunities for student participation exist in the following areas;

Conference and Event Management

Conference Services and Event Services provides comprehensive logistical and administrative services including on-campus facilities, lodging, food and registration for both internal and external organizations hosting conferences at UNCW.

Professional and Organizational Development

Professional and Organizational Development offers working professionals an opportunity to further develop their skills and/or provides an opportunity for career exploration by delivering on-site and online training. Visit https://www.uncw.edu/professional-ed

Osher Lifelong Learning Institute at UNCW (OLLI)

Osher Lifelong Learning Institute at UNCW (OLLI) refers to an individual's ongoing commitment to education and includes non-credit activities for personal enrichment, including short courses related to academic studies, such as history, art and languages, as well as activities such as lunch and dinner speaker series, public forums, special issues presentations and international travel. Other lifelong learning opportunities include the Adult Scholars Leadership Program, which brings accomplished members of the 55+ community together to discuss regional issues. Each semester the divisional publication, Pathways, catalogues current lifelong learning opportunities at UNCW. Visit https://www.uncw.edu/olli to learn more.

Scholarly Community Engagement

Scholarly Community Engagement facilitates interdisciplinary teams composed of faculty/student researchers and community organizations, conducting meaningful long-term applied research projects addressing local issues. Engaging the community in scholarly research, faculty and students affect the quality of life of individuals and communities in our region. Students participate in community-based research through internships, directed independent study and faculty-led research projects.

Storytelling in the Community

University students may enroll in [[permalink=1273|tooltip:{'title':1}]] %prefix% %code% %title%[[/permalink]], a two-credit hour course in which students are instructed and coached to visit local elementary schools and perform stories for children. In this manner, students learn to apply theoretical concepts related to performance and audience adaptation in actual settings. The course and activities emphasize interactive storytelling that directly involves audience members.

Media Production

Media Production, formerly UNCW-TV, highlights the intellectual diversity of the university by creating educational programming derived from the academic departments of UNCW and delivered by UNCW-TV, through a variety of media. Also, Media Production serves the university through its Creative Services television production, such as broadcasting events like UNCW Commencement, a variety of award ceremonies, candidates forums, community based television programming and award winning documentaries.

Youth Programs

Begin your journey to higher education by participating in one of UNCW's outstanding programs for youth of all ages. We offer summer academic enrichment opportunities, school year standards-based programs, and community outreach events that engage youth in experiential education, service learning and leadership development. Visit https://www.uncw.edu/youth/

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Student Awards

Some of the organizations listed below are registered with the university through the Campus Activities & Involvement Center as student organizations. For more information about those honor societies, please visit https://uncw.campuslabs.com/engage/organizations

A. Farrell Teague Merit Scholarship for Rising Seniors (Junior)

The Teague Scholarship was created by Arthur Farrell Teague and is used to assist rising seniors who have achieved a high level of academic and extracurricular success during their time at UNCW. Every year a recipient is chosen as the recipient of "The Teague Award." The scholarship is considered a merit scholarship and the recipient will be selected on demonstrated academic ability and special achievement, and must have a comprehensive GPA above 3.5. The scholarship is presented annually at the Division of Student Affairs Cornerstone Awards Banquet.

Adrian D. Hurst Award

Established by Adrian D. Hurst, emeritus professor of mathematics, this award recognizes a UNCW junior or senior math major who has achieved the highest overall academic grade point average. The award is presented each spring in the form of a plaque.

Biological Sciences Achievement Award

This award was established by the faculty of the Department of Biology and Marine Biology to honor annually the graduating senior biology major who has achieved the highest academic standing. The recipient is identified on a permanent plaque in Friday Hall.

Distinguished Engagement Award (Junior or Senior)

The Distinguished Engagement Award is presented to a select group of junior, senior, and transfer students who have made a significant contribution to UNCW over the course of their undergraduate experience. Recipients must be in good standing with the university and possess a minimum cumulative GPA of 2.75. The award is presented annually at the Division of Student Affairs Cornerstone Awards Banquet.

Excellence in Engagement Award (Sophomore or Junior)

The Excellence in Engagement Award is presented to a select group sophomore, junior, and transfer students for outstanding contributions to improving the quality of student life during their time at UNCW. Recipients must currently be in good standing with the university and possess a minimum cumulative GPA of 2.75. The award is presented annually at the Division of Student Affairs Cornerstone Awards Banquet.

Hoggard Medal For Achievement

"The Hoggard Medal" presented through the generosity of the late Dr. John T. Hoggard, is awarded annually to one graduating senior who, in the opinion of the faculty, has shown the most improvement during their years at the university. The award is presented annually at the Division of Student Affairs Senior Excellence Luncheon.

Margaret Walthour Lippitt Scholarship

The New Student Leader Award is designed to honor a first-year student with a 3.00 GPA or higher who has demonstrated leadership potential, service to UNCW and the community, personal integrity, and significant involvement in campus organizations. The scholarship is presented annually at the Division of Student Affairs Cornerstone Awards Banquet.

Martha M. Duncan Scholarship (Sophomore or Junior)

The Martha M. Duncan Scholarship is presented to one sophomore or junior student. The recipient must be in good standing with the university and possess a minimum cumulative GPA of 3.00. The recipient serves as a "LEAD Fellow" for Student Involvement and Leadership in the department of Campus Life for their scholarship year. The scholarship is presented annually at the Division of Student Affairs Cornerstone Awards Banquet.

Rachel Freeman Service Leadership Award

The Freeman Award, established in honor of the late Mae "Rachel" Freeman, is given to a senior with a cumulative GPA of 2.67 who has demonstrated commitment to bettering the lives of others, leading through examples of service, and the ability to work with others to create social change. The award is presented annually at the Division of Student Affairs Senior Excellence Luncheon.

Pat Leonard Senior Medallion Award (Seniors Graduating in May or December)

The Pat Leonard Senior Medallion Award is the most prestigious award presented by the Division of Student Affairs on behalf of the university community. The award was renamed in 2021 to honor Pat Leonard, the late Vice Chancellor for Student Affairs, and her 37 years of exemplary service to UNCW. Recipients must be in good standing with the university and possess a minimum cumulative GPA of 3.0. The award is presented annually at the Division of Student Affairs Senior Excellence Luncheon.

The Carolyn Elizabeth (Lizzy) Duffy Student Sustainability Award

The Duffy Student Sustainability Award is presented to one student who has been at UNCW at least one semester during the academic year. The recipient must be in good standing with the university and have a minimum 3.0 GPA. The Carolyn Elizabeth (Lizzy) Duffy Student Sustainability Award was created in March of 2015 to honor the efforts of Lizzy, particularly for spearheading the proposal for The Green Initiative Fund, which brought support, resources and visibility to sustainability at UNCW. The scholarship is presented annually at the Division of Student Affairs Cornerstone Awards Banquet.

The Walter Schmid Physics Award

This award has been established in honor of the late Walter Schmid, engineer and inventor, to reward a senior bachelor of science physics major for excellence in physics. The award consists

of an engraved plaque and a physics encyclopedia.

UNCW Laureate Award (Sophomore or Junior)

The UNCW Laureate Award, inspired by the Nobel Peace Prize, is presented to one sophomore or junior student. The recipient must be in good standing with the university and possess a minimum cumulative GPA of 3.00. The scholarship is presented annually at the Division of Student Affairs Cornerstone Awards Banquet.

William A. Bryan Senior Leader Award

Student Involvement and Leadership in the department of Campus Life, with the support of the Alumni Association, sponsors the William A. Bryan Senior Leader Award. The award is given to a senior with a cumulative GPA of 3.00 who has demonstrated outstanding leadership on campus and/or in the community. Special emphasis is placed on integrity, creativity, ability to collaborate, and service to others. The award is presented annually at the Division of Student Affairs Senior Excellence Luncheon.

Honor Societies at UNCW

Beta Alpha Psi

Beta Alpha Psi is a national scholastic and professional accounting fraternity. The primary objective of the fraternity is to encourage and give recognition to scholastic and professional excellence in the field of accounting. This includes promoting the study and practice of accounting; providing opportunities for self-development and association among members and practicing accountants; and encouraging a sense of ethical, social, and public responsibility. Beta Alpha Psi was founded in 1919. The Iota Alpha chapter at UNCW was chartered in 1996 and is a registered student organization through the Campus Activities and Involvement Center.

Beta Beta Beta National Biological Honor Society

Beta Beta Beta (TriBeta) is a society for students, particularly undergraduates, dedicated to improving the understanding and appreciation of biological study and extending boundaries of human knowledge through scientific research. Since its founding in 1922, more than 175,000 persons have been accepted into lifetime membership, and more than 430 chapters have been established throughout the United States and Puerto Rico. TriBeta is a registered student organization through the Campus Activities and Involvement Center.

Gamma Sigma Epsilon

Gamma Sigma Epsilon, a national honorary chemical society, was founded at Davidson College on December 19, 1919. The society recognizes academic excellence in chemistry and fosters a more comprehensive and cooperative study of chemistry and related scientific disciplines. The organization now has 35 active chapters in 22 states, and is growing rapidly. The Alpha Epsilon chapter was established at UNCW in 2001. Eligibility for membership includes junior or senior standing, a 3.35 GPA on at least 30 hours of chemistry courses, and a 3.35 GPA.

Kappa Delta Pi International Honor Society in Education

Kappa Delta Pi International Honor Society in Education is committed to recognizing excellence and fostering mutual cooperation, support, and professional growth for educational professionals.

Lambda Pi Eta Honor Society

Lambda Pi Eta is the official communication studies honor society of the National Communication Association (NCA). As a member of the Association of College Honor Societies (ACHS), LPH has over 400 active chapters at four-year colleges and universities worldwide. LPH was founded in 1985 at the University of Arkansas. LPH became a part of the National Communication Association (NCA) in 1988, and the official honor society of the NCA in July 1995. LPH is a registered student organization through the Campus Activities and Involvement Center.

Omicron Delta Epsilon Economics Honor Society

Omicron Delta Epsilon was founded by Professor John R. Commons at the University of Wisconsin in 1915. Its objectives include conferring distinction for high scholastic achievement in economics and stimulating and promoting student interest in all aspects of economics. ODE is a registered student organization through the Campus Activities and Involvement Center.

Omicron Delta Kappa Society, Inc.

Omicron Delta Kappa (ODK) is the National Leadership Honor Society that recognizes and encourages superior scholarship, leadership, and exemplary character. Membership in ODK is a mark of the highest distinction and honor.
The society recognizes achievements in scholarship; athletics; campus or community service; social, religious activities, and campus government; journalism, speech and mass media; and the creative and performing arts. Emphasis is placed on the development of the whole person, both as a member of the college community and as a contributor to a better society. ODK is a registered student organization through the Campus Activities and Involvement Center.

Order of Omega

Order of Omega is a leadership honor society for members of Greek-letter organizations. Order of Omega recognizes juniors and seniors who have exemplified high standards in the areas of scholarship, leadership, involvement within their respective organization, and within the Greek, campus, and local communities. Members are selected from the top 3 percent of fraternity and sorority members at each institution. To date, over 500 chapters have been chartered throughout North America, each sharing the common goal of recognizing the many outstanding student leaders at their institution.

Phi Alpha National Honor Society in Social Work

Phi Alpha is a nationally recognized honor society for both undergraduate and graduate students majoring in social work. Founded in 1960, Phi Alpha now includes over 225 chapters. The Eta Omega Chapter of Phi Alpha was established at UNCW in 1998. The society recognizes students for excellence in scholarship and achievement in the field of social work. Eligibility for membership requires students to major in a CSEW-accredited social work program, have completed 9 semester hours of social work courses, achieved a minimum social work GPA of 3.25, and a minimum overall GPA of 3.00. Phi Alpha is registered as a student organization through the Campus Activities and Involvement Center.

Psi Chi National Honor Society in Psychology

Psi Chi is the national honor society in psychology. It was founded in 1929 in New Haven, Connecticut, to encourage, stimulate and maintain excellence in scholarship, and to advance the

science of psychology. Psi Chi is an affiliate of the American Psychological Association and a member of the Association of College Honor Societies. The University of North Carolina Wilmington Chapter of Psi Chi was chartered on May 1, 1981, and is one of approximately 675 chapters nationwide. Psi Chi is registered as a student organization through the Campus Activities and Involvement Center.

A further list of academic honor societies with verified chapters at UNCW may be found at https://www.uncw.edu/aa/Academic_Honor_Societies.html

Chancellor's List and Dean's List

Each semester, outstanding scholarship is recognized in the following tiered manner:

Chancellor's List

The Chancellor's List is composed of the names of all full-time undergraduates who earn a 4.0 semester GPA on all work taken. Eligibility for this designation will be determined once all grades for the semester have been posted and any incomplete or IP grades have been converted.

Dean's List

The Dean's List is composed of the names of all full-time undergraduates who earn at least a 3.5 semester GPA on all work taken with no grades "B-" or below. Eligibility for this designation will be determined once all grades for the semester have been posted and any incomplete or IP grades have been converted.

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Student-Athlete Support Services is a joint effort between Academic Affairs and the UNCW Athletic Department, which seeks to support the academic enrichment and life skill development of every Seahawk student-athlete. SASS Academic Coordinators work diligently to meet the needs of student-athletes' healthy balance of athletic demands while maintaining satisfactory academic standards.
Once student-athletes are admitted to the university, Student-Athlete Support Services Academic Coordinators assist them with registration, sequencing and scheduling of required courses, and selection of a major. They also arrange tutoring assistance and monitor student-athletes' grades, class attendance, study habits, and progress toward a degree. When a student-athlete declares his or her major, the Academic Coordinators continue to monitor academic performance and progress in conjunction with the student-athlete's departmental advisor.
Central to the role of SASS is the maintenance of a strong working relationship between the program advisors and the university's athletic department and coaches. The Academic Coordinators are knowledgeable about NCAA and CAA rules that apply to eligibility for practice and competition. They are available for consultation when unusual or difficult rule interpretations are needed. They also play a key role in the athletic certification process for all student-athletes.

Student-Athlete Academic Eligibility Requirements

Student-Athlete Support Services helps to monitor the academic progress of each student-athlete as it relates to NCAA, CAA and institutional rules and regulations. The following are examples of rules applying to a student-athlete's academic progress:

- Student-athletes must be enrolled in no fewer than 12 semester hours (full-time) during the fall and spring semesters to be eligible for practice, competition and financial aid.
- Student-athletes must earn at least six (6) semester hours each semester to be eligible for the following semester.
- Student-athletes must earn 18 semester hours during the regular academic year (fall and spring).
- The NCAA requires student-athletes to maintain progress towards a degree and has set benchmarks they must meet throughout their career. Student-athletes must earn: 24 hours prior

to the start of their third semester; 40% of a degree prior to the start of their fifth semester; 60% of a degree prior to the start of their seventh semester; 80% of a degree prior to the start of their ninth semester.

- The NCAA requires a student-athlete to designate a major by the beginning of their fifth semester, or to be
taking major courses that lead to a degree, as certified by the dean or an appropriate academic advisor.
- Student-athletes must meet UNCW and NCAA minimum cumulative grade point averages in order to compete.
- In order to determine initial athletic eligibility, all student-athletes must be approved through the NCAA Eligibility Center.
- Earn a minimum of 6 credit hours each semester to maintain eligibility for the following semester.
- Earn 18 credit hours during the regular academic year (fall and spring semesters).
- Earn 24 credit hours before the start of the third semester of enrollment.
- Maintain at least a 1.80 cumulative GPA.
- Earn a minimum of 6 credit hours each semester to maintain eligibility the following semester.
- Maintain at least a 1.80 cumulative GPA through the third semester for eligibility the following semester.
- Earn 18 credit hours during the regular academic year (fall and spring semesters).
- Declare a major.
- Meet 40% of degree requirements.
- Maintain at least a 1.90 cumulative GPA.
- Complete a minimum of 6 degree applicable hours each semester for eligibility the following semester.
- Maintain at least a 1.90 cumulative GPA through the fifth semester for eligibility the following semester.
- Earn 18 degree applicable hours during the regular academic year (fall and spring semesters).
- Meet 60% of degree requirements.
- Maintain at least a 2.00 cumulative GPA.
- Earn a minimum of 6 degree applicable hours each semester for eligibility the following semester.
- Maintain at least a 2.00 cumulative GPA through the seventh semester for eligibility the following semester.
- Earn 18 degree applicable hours during the regular academic year (fall and spring semesters).
- Earn 80% of degree requirements.
- Maintain at least a 2.00 cumulative GPA.
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Abrons Student Health Center

The mission of the UNCW Abrons Student Health Center (SHC) is to provide student centered, affordable, quality health and preventive services to the students ofUNCW. Our goal is to help students stay as healthy as possible so that they can fully engage in and out of the classroom. We see ourselves as a key component of student success here on campus.
Services include confidential diagnosis and treatment of general and acute medical problems, psychiatric medication management, nutrition services, allergy injections, immunizations, laboratory services, women's health care, contraception services, men's health assessment and preventive services. The health fee is included in student fees and entitles students taking six or more credit hours to unlimited visits. There are additional charges for services such as lab tests, immunizations, administration of allergy shots, and annual exams and physicals. Students taking less than six hours will be entitled to health services upon payment of the health fee. The Abrons Student Health Center does not routinely issue excuses for class absences due to illness. For more information, or to make an appointment, please call 910-962-3280 or visit us on the web at Student Health Center.
All students are required to submit a completed "Medical History Form and Immunization Record" upon being admitted to UNCW. For more information, refer to the [[permalink=4160|new:{'title':1}]][[/permalink]] section of this catalogue.

Student Health Insurance

All undergraduate students taking six or more credits will be required to have health insurance to attend UNCW. Those unable to show proof of existing coverage will automatically be enrolled in the university-sponsored insurance plan. Details are available on the Abrons Student Health Center website.
See also: [[permalink=4113|dynamic:{'title':1}]][[/permalink]]

Health Promotion

Health Promotion, located in the Hundley Health Education Center in the Student Recreation Center, is UNCW's central resource for health education programs and services. The staff and peer educators develop and implement campus-wide programs designed to encourage healthy attitudes, practices, and behaviors as well as to reduce the illegal and high-risk use of alcohol and other drugs and the consequences that the members of this campus community experience as a result. Health Promotion is also the home for the CRC Hawks, UNCW's recovery community.

Staffed by three prevention professionals, a registered dietitian and a group of peer educators, the office offers programs on nutrition, sexual health, cold/flu prevention, stress management and other health topics. The registered dietitian provides individual counseling and programs for weight management, disease prevention/management, sports nutrition, disordered eating, vegetarian and vegan diets, and other nutrition concerns. All requests for information or consultation are handled confidentially, whether for personal interest, for a friend, or for a class assignment.

There are resources including brochures and handouts on health-related topics, as well as books, magazines, and DVDs available for loan. Resident Assistants, professors, and organizations can request a program through our website. For more information, please call 910-962-4135, or visit us on the web at www.uncw.edu/healthpromo.

Pharmacy

The UNCW Pharmacy is located in DePaolo Hall within the Abrons Student Health Center suite. Students can fill prescriptions written by UNCW providers as well as off-campus providers and may purchase over 100 over-the-counter medications and products. Crutches are also available for purchase. For more information, please call 910-962-3016 or visit us on the web at Student Health Center.

Counseling Center

The staff of the Counseling Center believes that a student's successful progress towards their degree is affected by a number of personal, social and academic factors. We offer a variety of services to support a student's academic and personal success including individual personal counseling, group counseling and personal development workshops. In addition, consultation services and outreach programs (including the In Harmony Initiative, focused on the mind-body connection) are offered for residence halls, classes, student organizations, as well as other campus departments and offices. An important role of the Counseling Center is working with students to develop the necessary skills and awareness to successfully meet their college life demands.

The Counseling Center is staffed by licensed counseling professionals including counselors, social workers and psychologists, as well as post-doctoral Psychology Fellows and occasionally other advanced trainees who have specific interests and skills in working within a university setting. Some common student concerns addressed at the Counseling Center include depression, anxiety, homesickness, relationships, coming out, cultural adjustment, family issues and grief. Assistance is also available for students with concerns related to sexual assault, substance abuse and body image. The transition to college can be particularly trying for students managing previously diagnosed conditions or on-going psychological concerns. The Counseling Center can assist students and families with identifying local providers who can keep support structures intact and provide longer term services.

Enrolled students are eligible for counseling services, which are confidential and accessible. Initial consultations and counseling appointments are available weekdays. After-hours and on weekends, phone consultation with an on-call counselor is available for students experiencing a psychological crisis by calling the Counseling Center at (910) 962-3746 and choosing the option that allows the caller to speak with a counselor.

When seeking services, students engage in an initial consultation with a counselor who will assess the student's needs and determine the services that will best meet those needs. If a student's needs require attention that is beyond the Counseling

Center's scope of practice, the counselor will work to connect the student with appropriate off-campus services. Students are encouraged to come and talk with a counselor about any concerns that are hindering their academic or personal success.
For additional information about the services and programs offered by the Counseling Center, please call (910) 962-3746, come by our offices on the second floor of DePaolo Hall, or visit our Web site: www.uncw.edu/counseling. Also, check our social media platforms, including UNCW Counseling Center - Youtube and Pinterest page for additional resources.

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There are approximately 280 student organizations registered with Student Involvement and Leadership at UNCW. These organizations include: political, professional, academic, multicultural, religious, service, honorary, governing, graduate, special interest groups, student media, Greek-letter, sports clubs, and ethnic and religious organizations. These organizations help develop the UNCW community through the activities and affiliations they create. Many of the clubs are showcased during the fall Involvement Carnival held in late August/early September. You can find out information about these organizations in the Campus Activities and Involvement Center in the Fisher Student Center, Room 2029 or on WaveLink, UNCW's student organization and departmental management platform that offers a variety of opportunities to highlight events, showcase resources, and collaborate with others.

Fraternity and Sorority Life

Fraternities and Sororities are social organizations that can help personalize the college experience. Greek Life offers a smooth transition to college, life-long friendships, leadership opportunities, scholastic support, and philanthropic and community engagement opportunities. Each type of organization recruits its members differently and at different times - contact us to learn more! Students

interested in fraternity and sorority opportunities can find out about upcoming events on WaveLink at https://uncw.campuslabs.com/engage/organization/ofsl.

International Student Organization

The International Student Organization is a support group, a social network, and a promoter of international programs. The group consists of American students who have traveled and studied abroad and international students who are enrolled at the university. The organization hopes to foster an international presence on the campus and to help international students become familiar with American culture, the local area, and university life.

Leadership Development

At UNCW we believe every student is capable of practicing leadership because it is not about a position or title;, it's about the desire and drive to create *positive change*. Student Involvement and Leadership in the department of Campus Life offers workshops, retreats, and personalized coaching that equips students with the skills and tools needed to successfully practice leadership on campus, in the community, and in their careers. Students interested in leadership development opportunities can find out about upcoming events on WaveLink at https://uncw.campuslabs.com/engage/organization/caic/events

Student Community Engagement

Community engagement is much more than a service hour requirement - we make it a priority to connect students with the community in ways that make a positive

impact for both the organizations and the volunteers. This can be through volunteer work (on campus, in Wilmington and in other cities like Atlanta, New Orleans, or Asheville), philanthropy projects (like donating a Thanksgiving meal or holiday gifts), or by donating blood (we host monthly drives with the American Red Cross). Students interested in community engagement opportunities can find out about upcoming events on GivePulse: https://uncw.givepulse.com/group/1027-University-of-North-Carolina-Wilmington

Student Government Association: Representing the Voice and Vision of UNCW Students

The Student Government Association (SGA) is a democratic organization, permitting expression of student opinion, working for the best interest of the university and upholding a high standard of morals and conduct. SGA embodies UNCW's shared governance commitment through partnerships with the UNCW administration, Faculty Senate and Staff Senate. Student activity fee money supports the Student Government Association in its objectives and activities. Officers, class representatives, and at-large representatives are elected by the student body.
Executive Committees are comprised of Appropriations, Diversity and Inclusion, Marketing, Communications, and Health & Wellness; Senate committees are comprised of Student Services, Campus Services, Academic Affairs, Internal Affairs, and External Affairs. The Student Government Association is also a member of the North Carolina Association of Student Governments. Contact the SGA Office or visit them on the second floor of the Fisher Center to learn more!
See also:

- [[permalink=4128|dynamic:{'title':1}]][[/permalink]]
- [[permalink=4121|same:{'title':1}]][[/permalink]]
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https://uncw.edu/seahawk-life/support-success/transition-programs/
The Transition Programs Office is responsible for providing comprehensive programs that will assist undergraduate students and their families in their transition to the university. These programs expose new and transfer students to the

educational opportunities within UNCW, introduce them to the academic and co-curricular life of the institution, and assist them in their on-going transition to the university beyond orientation. Transition Programs also assists parents and family members in supporting their student's success through frequent communication and engagement opportunities. In addition, Transition Programs is responsible for the coordination and implementation of Commencement.

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UNCW offers voluntary meal plans for students living off campus or upperclassmen living in Voluntary On-Campus Housing, consisting of Seahawk Village, Seahawk Landing, or Seahawk Crossing. The plans are designed to give students the convenience of using their One Card instead of carrying cash.
Meal Plan Rolling: *The student's Fall semester meal plan will be automatically assigned to the student for the Spring semester. For a list of current change period dates and additional details, please visit the UNCW student meal plan website at* www.uncw.edu/studentmealplans.
Unused Food Dollars roll over to the next semester if and only if you purchase a meal plan for that semester. Additionally, rolling occurs from summer to fall and fall to spring ONLY. Unused Food Dollars will be rolled into the following semester's account after the meal plan change period for that semester. ***All unused Food Dollars expire at the end of the spring semester.***

2025-2026 On-Campus Voluntary or Off-Campus Meal Plans

*NC sales tax is charged on the Meals portion only at the time of meal plan purchase. Food dollars will be taxed as they are used.
Adding additional Food Dollars or Meals (Block Plans) may be done at any point during the semester after the meal change period. Visit https://www.uncw.edu/studentmealplans for more information.
Meal plans and meal plan rates are set by the university's Board of Trustees and are subject to change.

Contact the One Card/Meal Plans office at 910-962-3560 or email mealplans@uncw.edu with any questions.

TealPay Payment Plan Term Enrollment Fee

Students have the option to enroll in one of UNCW's TealPay payment plans. Three options are available each Fall and Spring to pay the charges on the student's account with three, four or five installment payments during the term. The three-installment payment plan is available in the Summer. Enrollment fees are non-refundable. OAP students are not eligible for the payment plans due to the course duration.

Academic and Student Support Resources

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UNCW provides access and reasonable accommodation to individuals with disabilities and prohibits unlawful discrimination on the basis of disability in its programs, services and activities. The ADA/504 Compliance Officer coordinates and monitors campus compliance with requirements of Section 504 of the Rehabilitation Act of 1973 (Public Law: 93-112), as amended, and the Americans with Disabilities Act of 1990 (Public Law: 101-336), as amended.
Current and prospective students with disabilities who need accommodations or who have questions about accessibility may contact the Disability Resource Center. Inquiries concerning UNCW policy and compliance with federal and state laws and regulations concerning discrimination in education and employment programs and activities may be directed to:
Brian Victor
ADA/504 Compliance Officer
University of North Carolina Wilmington
601 South College Road
DePaolo Hall 1007
Wilmington, NC 28403-5985

Phone: 910-962-7771
Fax: 910-962-2284
Email: ADA-504-Coordinator@uncw.edu
Inquiries may also be directed to the U.S. Department of Education Office for Civil Rights, the U.S. Equal Employment Opportunity Commission, or the applicable North Carolina state agency.

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The central purpose of the Career Center is to help students prepare for academic and career success. The center assists students with self-assessments, values clarification and occupational data to help make informed choices of academic majors. The Career Center also provides opportunities for internships and discovering the relationship of skills acquired to the broader work world. The Career Center helps translate academic achievements, co-curricular activities and work experiences into successful job campaigns or graduate school applications. Through the journey of learning, career exploration, and applied learning opportunities, students and alumni are motivated to expand their knowledge of themselves and the world of work in a dynamic global community.
The Career Center encourages students and alumni to:

- **EXPLORE**
Explore work values, interests, skills, and personality using Career Center resources in order to optimize academic and career planning
- **EXPERIENCE**
Develop skills and competencies sought by employers, as outlined in the Skill Seeker, through applied learning opportunities
- **ENGAGE**
Engage and network with faculty and other professionals as well as local, state, national, and global employers to learn how to meet the needs of an ever-changing modern society
- **EMBARK**
Take responsibility for making informed career decisions and developing further education and employment plans over the lifespan

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Students with disabilities are a rapidly growing minority at UNCW, as elsewhere in American higher education. Consistent with Section 504 of the Rehabilitation Act of 1972 and the Americans with Disabilities Act (as amended), it is the policy of UNCW that no otherwise qualified individual in the United States be excluded from, denied benefit of, or be subject to discrimination based on their disability within

university activities, programs, or services.
Disabililty Resource Center (DRC) is the designated office providing services and information to students with disabilities enrolled or considering enrollment at UNCW. As such, DRC is committed to providing assistance to enable qualified students with disabilities equal opportunity to accomplish their educational goals and derive all of the benefits of campus life.
DRC serves as an advocate for students with disabilities, and as a resource for UNCW faculty, staff and administration. Through intentional partnerships, DRC strives to create an atmosphere that encourages students' independence, responsibility for self, effective communication skills, and a respect for the diverse learning experience.
Students with disabilities needing accommodations or questions regarding resources should contact Disability Resource Center for more information, including documentation guidelines and requirements.
DRC@uncw.edu
(910) 962-7555
www.uncw.edu/disability

SEA.*lab* (Strategy Enhancement for Achievement)

Established to meet the unique needs of students with disabilities, SEA Lab offers students enrolled at the DRC the assistance of experienced and knowledgeable staff, to aid in their development of skills necessary for academic success.
Through SEA Lab, students have an opportunity to explore various strategies and techniques to assist them in their goals toward overall academic achievement and individual development. SEA Lab offers workshops and 1.1 instruction on topics such as:

- Time management and organizational skills
- Reading strategies and notetaking
- Test-taking and final exam preparation
- Understanding of one's disability
- Self-advocacy and metacognitive development
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Information Technology Services (ITS) is an innovative organization committed to

providing a technologically progressive environment for students, faculty and staff. As part of Business Affairs, ITS is dedicated to leading, collaborating and supporting with cost effective services that promote the mission of the university. ITS is also committed to promoting and sustaining a powerful learning experience by responding to students' needs through student feedback, student engagement and collaboration with constituent groups across campus.

ITS provides an array of services to students, some of which include:

- An official UNCW email address, to connect with the university community, their professors and each other.
- mySeaport – the university online portal. Through mySeaport, students have access to their UNCW email, calendar, class information, online registration, billing information, campus news and additional student resources and services. Furthermore, students may access various educational tools—such as Percipio computer-based training courses and online materials.
- The Technology Assistance Center (TAC) provides one-on-one support via chat, in-person in Randall Hall, and by phone. Services provided by the TAC include, but are not limited to, assistance with: Windows and Macintosh support, wireless connectivity, password issues, Canvas support, and software questions. Students may access the myTAC portal to search and view the knowledge base, submit a service request, or they may CHAT with the Technology Assistance Center (TAC).
- Student laptop checkout program located at the TAC Walk-in Center in Randall Hall.
- Access to the Knowledge Base - Microsoft Office (ex. Word, Excel, PowerPoint, etc.).
- Access to the Adobe Creative Cloud | UNCW.
- Educational discounts on Apple and Dell computers.
- Canvas Learning Management System for online, blended, and hybrid courses.
- Horizon Software in the Cloud | UNCW to access UNCW software whether you are on- or off-campus.
- ITS offers both wireless and wired options for connecting devices to the campus network. *Hawkwifi* is our main wireless network and is used for computers, mobile devices, and tablets. *Labnet* is used for entertainment devices like TV's, game consoles, and streaming devices. Students can self-register these devices at the MyDevices Portal. Additional assistance with network services in the residence halls, including assistance with device registrations and connecting wired or wireless devices, can be obtained through the myTAC portal.
- Classroom technology for lecture instruction and presentation. General instructional spaces include a permanent PC or Mac, depending upon program needs, as well as laptop connections, room audio, and large format display(s) as appropriate for room size and viewing acuity needs.
- Collaborative technology for Active Learning Classrooms, Conference Rooms, and Huddle Spaces. Spaces include a display that the students can connect to, either wired or wirelessly. Various locations also include cameras, microphones, and speakers for remote interaction as well as in-person via platforms such as Zoom.
- Dedicated Distance education classrooms, which include telepresence, video conferencing, live

streaming and more. "Tier 3" classrooms are designed for Hyflex learning (class content is delivered both in-person and via synchronous streaming, with an equitable experience for both), and "Tier 4" spaces which include advanced capabilities such as multiple cameras, a control room, and in-person support technicians.

- https://uncw.edu/about/university-administration/student-affairs/departments/campus-life/student-resource-centers

Asian Heritage Cultural Center https://uncw.edu/seahawk-life/get-involved/students/asian-heritage-cultural-center/

Centro Hispano creates a responsive educational, scholarly and social environment for Latinx students, faculty and others interested in Hispanic and Latinx culture. Primarily, the goal of Centro Hispano is to support the rapidly growing number of Latinx students applying, attending and completing degrees at UNCW. Centro Hispano promotes opportunities that broaden understanding and appreciation of diverse Hispanic cultures, offer resources that maximize the success of each student, and most importantly, provides a place where every student feels at home while striving for success. Furthermore, the center supports the research, teaching and service components necessary for the training and preparation of global citizens. It also informs, guides and champions UNCW's engagement with the region on issues critical to Latinx constituencies.

Centro Hispano https://uncw.edu/seahawk-life/get-involved/students/centro-hispano/

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Mohin-Sholz LGBTQIA Resource Office https://uncw.edu/seahawk-life/get-involved/students/lgbtqia-resource-office/

The Mohin-Scholz LGBTQIA Resource Office at the University of North Carolina Wilmington supports lesbian, gay, bisexual, transgender, questioning, intersex and allied students, faculty, staff, and alumni. Our office works to create a safe and inclusive environment for the LGBTQIA community and contribute to a culturally rich campus. Additionally, the office works both to raise awareness and inclusion of sexual and gender minorities and to provide information, referral, support, and programming to the UNCW Community. We do this through community building, advocacy, social justice and diversity education and the development of global citizens. All members of the UNCW campus are welcome, regardless of gender identity or other factors.

Upperman African American Cultural Center https://uncw.edu/seahawk-life/get-involved/students/african-american-cultural-center/

The Upperman African American Cultural Center (UAACC) provides UNCW students, faculty, staff, and others interested in African and African American culture a central location from which they can experience the rich heritage of African diaspora through scholarly and cultural workshops, presentations, exhibits, performances, lectures, and print and visual media. Working collaboratively with campus and community partners, the UAACC works to positively impact the recruitment, retention, and academic achievement of black students at UNCW, and contribute to the preparation of *all* UNCW students to excel in an increasingly diverse world.

- The UNCW Library, with its Randall Hall and Discovery Hall, fosters and promotes student success, faculty scholarship, and community engagement, providing information resources, learner-and-scholar-centered services, and community programming for the campus and greater Southeast North Carolina community in a welcoming and inclusive environment.
  Its collections include approximately 1.5 million items in various formats, including almost 400,000 print books, more than 600,000 eBooks, approximately 300,000 print and electronic journals, almost 60,000 media items (e.g., DVDs, CDs), and just under 70,000 streaming videos. The library subscribes to more than 550 databases providing UNCW students, staff, and faculty access to journals, newspapers, statistics, primary source material, videos, and other online content. Library resources are searchable from the library's website: https://library.uncw.edu.
  The Library's Interlibrary Loan and Document Delivery service provides access to information resources held by other libraries around the world free of charge to UNCW students, faculty and staff. Requests are submitted online through the Library's website.
  The library's Center for Southeast North Carolina Archives and History offers students access to primary source materials that focus on the history, culture, economy, environment, and politics of southeastern NC and includes University Archives as well as 400 unique manuscript collections, almost 900 oral histories, and hundreds of books. Its collection also includes state and federal government documents (print and electronic).
  Knowledgeable and helpful library faculty, staff, and student

assistants, provides comprehensive information access and research assistance. The Library is dedicated to the goal of educating users, especially students, in the identification, use and evaluation of information in all formats. In addition to providing immediate assistance at the Library Help Desk, staff and faculty provide research assistance by chat, e-mail, phone, or in-depth assistance by appointment. The Library partners with other library service providers for 24/7 chat reference service. Subject guides and tutorials available on the Library's website assist users in learning about the Library's resources. Additionally, library faculty offer assistance to all UNCW students and instructors in developing important research skills, including the following services:

- Individual research consultations by appointment.
- Liaison Librarians who work with students in each academic department on their discipline specific research projects.
- Course related instruction that teaches library and information research methods tailored to the course topic.
- Workshops on various aspects of information research and specific resources, digital creation and editing software, 3-D modeling and printing and other topics.
-

The University Learning Center (ULC) is UNCW's "one-stop shop" for high-quality peer academic support. We are committed to being a vital part of UNCW students' education. Our academic support services are based on the principle that quality learning takes place when peers work together. We provide students various learning opportunities that complement the classroom experience and, in collaboration with our campus partners, we provide our peer educators with a valuable pre-professional experience.

The ULC supports the development of learning skills and strategies, encouraging student confidence in lifelong success. We offer help in most subjects, including math and science, languages, and many other UNCW courses. We also provide study skills support and writing help. Some ULC services are by appointment only, but we also provide many drop-in services (no appointment needed!).

All ULC peer educators are faculty-recommended, meet minimum GPA requirements, and engage in an internationally certified training program. Each academic support service is free to all UNCW students.

Call (910)962-7857 or e-mail ulc@uncw.edu with questions. Visit our website to schedule an appointment and view drop-in service schedules: https://uncw.edu/seahawk-life/support-success/university-learning-

center/.
All appointments can be scheduled in person or online; drop-in services are in-person only.

- University Testing Services (UTS) provides secure computer-based and paper-based testing and test proctoring services for UNCW and the surrounding communities. The staff strives to provide a quality testing experience that is fair, efficient, and accessible in a professionally monitored facility. Admissions and certification testing programs as well as proctoring services for online courses are available through UTS. Other proctoring services may be provided on a space-available basis. Please contact us at: testingservices@uncw.edu to inquire about availability or for additional information about testing and proctoring services and online scheduling.
Testing programs coordinated by or administered in UTS include: CLEP, DSST, GRE, MAT, the PRAXIS I and II series, TEAS, ibt-TOEFL, and proctored exams. Each national program has testing dates, eligibility, registration and payment requirements that are determined by the testing companies. This information can be found in registration materials or on their respective websites. Links to local appointment, payment and scheduling information can be found on our website: https://www.uncw.edu/testingservices.
Accommodated testing for candidates with disabilities or for Title IX compliance is available; however, candidates must follow the requirements for submission of requested documentation for review and approval either to the national companies (for major testing programs/Prometric) or to the Disability Resource Center or the Title IX/Cleary Office (for smaller or campus-based programs), if not already registered with the DRC or if not referred by the Title IX/Cleary Office.
University Testing Services does not determine a candidate's eligibility for accommodations or accommodations available for the candidate. To avoid delays, please discuss your needs with Testing Services staff prior to appearing for your testing appointment.
Generally, services provided in the Testing Center are by appointment and require payment in advance. Appointments for national testing (Prometric programs) are determined by contacting the relevant company either by phone or online. For the remaining programs or proctoring services, available appointments may be viewed through an online registration and payment system, RegisterBlast, accessible on

the UTS homepage. Valid (unexpired) government-issued photo identification with a signature (Driver's License, passport, Military ID, etc.) is always required for testing. For additional information or to make an appointment, please call (910) 512-6785, come by our offices in DePaolo Hall, Room 1021, or visit our website at https://www.uncw.edu/testingservices.

ADA & 504 Compliance

UNCW provides access and reasonable accommodation to individuals with disabilities and prohibits unlawful discrimination on the basis of disability in its programs, services and activities. The ADA/504 Compliance Officer coordinates and monitors campus compliance with requirements of Section 504 of the Rehabilitation Act of 1973 (Public Law: 93-112), as amended, and the Americans with Disabilities Act of 1990 (Public Law: 101-336), as amended.
Current and prospective students with disabilities who need accommodations or who have questions about accessibility may contact the Disability Resource Center. Inquiries concerning UNCW policy and compliance with federal and state laws and regulations concerning discrimination in education and employment programs and activities may be directed to:
Brian Victor
ADA/504 Compliance Officer
University of North Carolina Wilmington
601 South College Road
DePaolo Hall 1007
Wilmington, NC 28403-5985
Phone: 910-962-7771
Fax: 910-962-2284
Email: ADA-504-Coordinator@uncw.edu
Inquiries may also be directed to the U.S. Department of Education Office for Civil Rights, the U.S. Equal Employment Opportunity Commission, or the applicable North Carolina state agency.

Co-Curricular Activities

Students will be offered opportunities and incentives to participate in co-curricular activities such as field trips, campus events, study abroad, and community events.

Career Center

The central purpose of the Career Center is to help students prepare for academic and career success. The center assists students with self-assessments, values clarification and occupational data to help make informed choices of academic majors. The Career Center also provides opportunities for internships and discovering the relationship of skills acquired to the broader work world. The Career Center helps translate academic achievements, co-curricular activities and work experiences into successful job campaigns or graduate school applications. Through the journey of learning, career exploration, and applied learning opportunities, students and alumni are motivated to expand their knowledge of themselves and the world of work in a dynamic global community.

The Career Center encourages students and alumni to:

- **EXPLORE**
  Explore work values, interests, skills, and personality using Career Center resources in order to optimize academic and career planning
- **EXPERIENCE**
  Develop skills and competencies sought by employers, as outlined in the Skill Seeker, through applied learning opportunities
- **ENGAGE**
  Engage and network with faculty and other professionals as well as local, state, national, and global employers to learn how to meet the needs of an ever-changing modern society
- **EMBARK**
  Take responsibility for making informed career decisions and developing further education and employment plans over the lifespan

For more information, visit Career Center online at: www.uncw.edu/career or call 910-962-3174. Appointments can be scheduled via Handshake https://app.joinhandshake.com/stu/appointments..

Fisher University Union

Seahawk Mail

Seahawk Mail is a full-service U.S. Postal Service contract station serving UNCW students, faculty, staff, and the general public. Seahawk mail provides on-campus

student mail services, including mailboxes and package pickup. Located in the Fisher University Union, Seahawk Mail is your one-stop shop for postage, money orders, mailing supplies, FAX services, and notary services. Seahawk Mail is open weekdays from 8:30 a.m. through 4:30 p.m. with package pickup service until 5 p.m. Forms of payment accepted at Seahawk Mail are cash, check (with valid identification), Seahawk Buck$, and credit cards (Visa, American Express, and MasterCard. There is a required minimum purchase of $3.00 for credit cards). Freshmen, residential and international students are mandatorily assigned a campus box for their personal and university correspondence. For students living on campus, the campus mailbox serves as their official campus address and is their only mailing address. All other students may request a mailbox assignment if desiring to receive mail or packages at Seahawk Mail. Package pickup service includes all carriers, such as U.S.P.S., UPS, Fed Ex, DHL, and floral delivery. Students will receive an email location whe mail is ready for pickup. Students are responsible for providing a forwarding address when they move or leave the university. Please visit our Web site at www.uncw.edu/mail for more information.

UNCW Bookstore

Located in the Fisher Student Center, the UNCW Bookstore is your one-stop shop for all your UNCW needs from textbooks to school spirit apparel. You can rent, purchase used textbooks, and even buy/rent digital textbooks for all your course related materials. Shop confidently at the UNCW Bookstore as they offer a Price Match Program to Amazon.com and BN.com to help students get the best price possible. They also carry a large assortment of school supplies and tech supplies including, laptops and printers. The UNCW Bookstore offers the largest inventory of Seahawk apparel and gift items so you can show off your Seahawk pride! They are also home to Dub City Brew Café who proudly brew Starbucks Coffee where students can use their One Card funds to grab a quick beverage or snack. Forms of payment accepted at the bookstore include Seahawk Buck$, cash, credit/debit cards, Apple Pay, Samsung Pay, Barnes & Noble gift cards, and Bookstore Dollars** and Food Dollars (Dub City Brew Café only.
Can't make it in to the bookstore? No problem! All of your textbooks and favorite UNCW Gear are available online at http://www.ShopUNCW.com. Simply place an online order, and we'll notify you when it is ready!

Contact the UNCW Bookstore at 910-962-3188 or, at www.uncw.edu/bookstore for more information on bookstore services.
**Some exclusions and restrictions apply to the Price Match Program. For full details, please visit the UNCW Bookstore website or ask one of our booksellers.*
**Bookstore Dollars – an optional account on the UNCW One Card that provides students with the ability to get their books and supplies without waiting for a financial aid refund by charging the selected funds to their student account. Funds on the Bookstore Dollars account do not expire – they roll over from semester to semester and are continually available to use for any item in the bookstore, including clothing items, Dub City Brew Café items, textbooks, technology items, and so much more! Please visit http://www.uncw.edu/onecard for more information.

University Information Center

The Information Center, conveniently located on the first floor of the Fisher Student Center, provides a variety of information about campus, student and community activities, as well as campus telephone numbers. The center also provides free laptop computer check out, umbrella checkout, and serves as the campus Lost and Found. Contact the Information Center at (910) 962-3841.

Information Technology Services

Information Technology Services (ITS) is an innovative organization committed to providing a technologically progressive environment for students, faculty and staff. As part of Business Affairs, ITS is dedicated to leading, collaborating and supporting with cost effective services that promote the mission of the university. ITS is also committed to promoting and sustaining a powerful learning experience by responding to students' needs through student feedback, student engagement and collaboration with constituent groups across campus.
ITS provides an array of services to students, some of which include:

- An official UNCW email address, to connect with the university community, their professors and each other.
- mySeaport – the university online portal. Through mySeaport, students have access to their UNCW email, calendar, class information, online registration, billing information, campus news and additional student resources and services. Furthermore, students may access various educational tools—such as Percipio computer-based training courses and online materials.

- The Technology Assistance Center (TAC) provides one-on-one support via chat, in-person in Randall Hall, and by phone. Services provided by the TAC include, but are not limited to, assistance with: Windows and Macintosh support, wireless connectivity, password issues, Canvas support, and software questions. Students may access the myTAC portal to search and view the knowledge base, submit a service request, or they may CHAT with the Technology Assistance Center (TAC).
- Student laptop checkout program located at the TAC Walk-in Center in Randall Hall.
- Access to the Knowledge Base - Microsoft Office (ex. Word, Excel, PowerPoint, etc.).
- Access to the Adobe Creative Cloud | UNCW.
- Educational discounts on Apple and Dell computers.
- Canvas Learning Management System for online, blended, and hybrid courses.
- Horizon Software in the Cloud | UNCW to access UNCW software whether you are on- or off-campus.
- ITS offers both wireless and wired options for connecting devices to the campus network. *Hawkwifi* is our main wireless network and is used for computers, mobile devices, and tablets. *Labnet* is used for entertainment devices like TV's, game consoles, and streaming devices. Students can self-register these devices at the MyDevices Portal. Additional assistance with network services in the residence halls, including assistance with device registrations and connecting wired or wireless devices, can be obtained through the myTAC portal.
- Classroom technology for lecture instruction and presentation. General instructional spaces include a permanent PC or Mac, depending upon program needs, as well as laptop connections, room audio, and large format display(s) as appropriate for room size and viewing acuity needs.
- Collaborative technology for Active Learning Classrooms, Conference Rooms, and Huddle Spaces. Spaces include a display that the students can connect to, either wired or wirelessly. Various locations also include cameras, microphones, and speakers for remote interaction as well as in-person via platforms such as Zoom.
- Dedicated Distance education classrooms, which include telepresence, video conferencing, live streaming and more. "Tier 3" classrooms are designed for Hyflex learning (class content is delivered both in-person and via synchronous streaming, with an equitable experience for both), and "Tier 4" spaces which include advanced capabilities such as multiple cameras, a control room, and in-person support technicians.

For more information on ITS and their services go to www.uncw.edu/its.

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During the semester at least one building is open 7am – 2am Mon-Thu, 7am – 9pm

Fri, 12 noon – 6pm Sat and 10am Sun - 2am Mon. Check the library's website for up-to-date building and service hours. The library provides approximately 2700 seats in a variety of environments. Fifty-seven group study rooms are available throughout both buildings. These rooms are equipped with large screen HDTV displays to use with laptops in order to assist student collaboration and can be reserved online through the library's website. There are 100 computers available in the library, many with dual monitors, several scanners including a walk-up quick scanning station, Bloomberg terminals, and GIS workstations.

The Maker Studio, located in the newly opened Discovery Hall, provides technologies such as virtual and augmented reality, 3D printing, modeling and laser cutting, and a state-of-the-art recording studio to all UNCW students, staff, and faculty in support of creation, prototyping, and digital literacy. Additionally, Discovery Hall is home to a Visualization & Analysis Lab (VAL) with a 30-foot video display wall and high-performance computing for classes, presentations, and collaborations to visualize and display large data sets, as well as an events space and exhibit gallery, daily lockers, and a Library Technology Desk to provide support for technology and loan equipment such as cameras and microphones.

The second floor of Randall Hall also houses a large graduate student lounge with group study, lockers, and other amenities, a sensory-friendly study space to support diverse student study needs, a "living room" gathering space for collaboration and study, and the Retreat at Randall, a wellness space intended for quiet contemplation, reflection, meditation, mindfulness, prayer, stress relief, stretching, and yoga.

Central Perch in Randall Hall provides beverages and food; a small food store in the Link offers grab-and-go sandwiches, salads, and snacks. The Technology Assistance Center (TAC), operated by UNCW Information Technology Servicesand the iPrint Business Center, are also located in Randall Hall. In addition to offering technology assistance, TAC also provides laptops to check out.

In addition to its services and spaces, the Library offers a variety of programming throughout the year including readings, workshops, exhibits and study breaks.


UNCW Library Video Tour

University Learning Center

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Athletics

The university holds membership in the National Collegiate Athletic Association and the Coastal Athletic Association. Varsity intercollegiate teams are fielded for men in basketball, cross country, baseball, golf, soccer, tennis, swimming and diving, and outdoor track and field. Varsity intercollegiate teams for women are fielded in basketball, cross country, softball, golf, soccer, tennis, swimming and diving, volleyball, beach volleyball and indoor/outdoor track and field.

Mission Statement

UNCW Athletics enriches the university through a commitment to developing

leadership qualities among its student-athletes by providing opportunities which support and promote academic excellence, community engagement, and competitive success.

Core Values

UNCW Athletics is committed to and intentional about allowing these beliefs to drive its decision-making and serve as the foundation for future growth.
STUDENT-ATHLETE FOCUSED: Put student-athlete development and success at the center of everything we do, by producing leaders, productive citizens and friends of the university.
COMMUNITY: Educate, enhance, serve and engage constituents of the athletics department through stewardship at local, regional and global levels.
EXCELLENCE: Be conference and national leaders through competitive success, academic performance and a complete student-athlete experience.
INTEGRITY: Operate with the highest standards of ethics, sportsmanship, honesty, trust, dignity and respect.
INNOVATION: Adopt best practices in everything we do, and foster new ideas and methods by being proactive, distinctive and resourceful.
DIVERSITY: Create, maintain and celebrate an environment that is fair, embracing and inclusive to all people.
The Equity in Athletics Disclosure Act report is available online at www.uncwsports.com by clicking on the Inside Athletics tab and then on the EADA Report.

Priorities

Priority I: Attract & Retain Outstanding Student-Athletes, Staff and Coaches
Priority II: Enhance Diversity, Inclusion & Equity
Priority III: Promote Academic, Competitive and Service Excellence
Priority IV: Provide the Highest Quality Experience for Students
Priority V: Engage Partners To Support Our Success
Priority VI: Enable Fiscal Sustainability
Priority VII: Fund and Build Facilities

Our mission vision and values guide our athletic community and foster a sense of family among the Seahawk Nation. The tenets that make competing as a UNCW Seahawk Student-Athlete unique include:

- Striving for excellence in all phases of campus life including academics, competition, leadership and service.
- Embracing the student-athlete experience as preparation for success at the highest levels in one's life after graduation.
- Enjoying a comprehensive university experience, including broad engagement and involvement in the fabric of campus life.
- Taking care of one's self by nurturing the body, mind and spirit, and using resources available to help foster success in these realms.
- Feeling an indelible sense of pride to represent UNCW at the highest competitive level.
- Accepting that as ambassadors of UNCW, student-athletes will apply the highest self-accountability and informed decision-making, promote inclusion and diversity in the broadest sense, and treat others with the utmost dignity and respect on campus and in the community.
- Expecting that students, faculty and staff will support student-athletes and UNCW Athletics in the classroom, on campus and in competition.

The Campus

The University of North Carolina Wilmington is located in the southeastern part of the state on a 661-acre tract midway between the Cape Fear River and the Atlantic Ocean. The city of Wilmington is situated on the east bank of the Cape Fear River about 15 miles from Carolina Beach and 10 miles from Wrightsville Beach. The metropolitan statistical area, of which Wilmington is a part, now has a population in excess of 360,000. Several main highways lead into the city, and commercial air service provides easy access to other metropolitan areas north, south, and west. Ocean breezes and the nearness of the Gulf Stream give Wilmington a delightful year-round climate, and the area's proximity to the ocean provides unlimited recreational opportunities.

The spacious well-landscaped campus was first occupied by the university in 1961. The number of buildings has increased from three in 1961 to 162 today, dispersed across a coastal pine savannah habitat. The buildings on the campus are of modified Georgian architecture, including academic, administrative, student life, residence, dining, athletic, and support buildings, all of which are completely air-conditioned. There are several athletic fields and intramural fields.

Campus Map

Click here to view the Campus Map.

Buildings

For information on university buildings, click here.

Herbert Bluethenthal Memorial Wildflower Preserve

The Herbert Bluethenthal Memorial Wildflower Preserve is a 10-acre memorial botanical garden located on the UNCW campus. Established in 1972, its purpose is to provide a place where the university community and the public can learn about and enjoy our native plants and their habitats. Many of the plants are labeled, and maps and trail guides are available at the entrance.

EV-Henwood Nature Preserve

Ev-Henwood is UNCW's coastal forest research and teaching station located in Brunswick County. It is only a short 30-minute drive from the university campus and is available for nature study and appreciation, student and faculty research, and class field trips. Included in its 110 acres are oak/hickory woods, pine forests, and low woods along the bordering Town Creek and its branches. Additional habitats such as ponds and fields are available nearby.

UNCW Long-Term Ecosystem Reserve

This 750 acre parcel of undisturbed bottomland hardwood forest, tidal creeks, and wetland marshes bordered by the Northeast Cape Fear River, Cowpen Road, and NC Highway 421 supports non-destructive teaching and research activities. The property is uniquely situated within the upper tidal region of the Cape Fear estuary. Although most of the property consists of tidal freshwater creeks and adjacent marsh, detectable salinity can occasionally be measured during drought periods. Because of this location, this area/habitat is expected to be among the early regions to be significantly affected by sea level rise over the next several decades, making it

ideal for research into the effects of climate change on coastal ecosystems and ecosystem dynamics.

Campus Arts and Entertainment

Art Exhibitions

Monthly exhibitions of painting, sculpture and the graphic arts are held in a variety of spaces on campus including: UNCW Library, Cultural Arts Building, Campus Life facilities, and the Ann Flack Boseman Gallery. Student art is often featured. Campus Life also features its permanent art collection of student artwork on display year round in the Fisher Student Center, Fisher University Union, and Burney Center. All exhibitions are open to the public without charge. Student art is also displayed outside the Office of the Vice Chancellor for Student Affairs in Alderman Hall.

Association for Campus Entertainment

The Association for Campus Entertainment (ACE) coordinates many of the events that take place on campus including novelty act entertainment, concerts, Friday and Saturday night films in Lumina Theatre, and campus spirit and homecoming activities. This dynamic student-run organization is comprised of several committees including Arts, Activities, Films, Concerts, Spirit, and Homecoming. If you are interested in more information about events or joining a committee, stop by the ACE Office in the Campus Activities and Involvement Center in the Fisher Student Center, Room 2029, or email ace@uncw.edu.

Performing Ensembles

Membership is open to any student who has had instrumental or vocal experience, with the approval of the director of the particular ensemble.

Concert Choir and Chamber Singers

The University Concert Choir and small ensemble, the Chamber Singers, regularly act as ambassadors for the university and appear on radio and television. The

Concert Choir performs at least two on-campus concerts each year and tours during spring break. On occasion, the choir has participated in joint stage productions of opera and musical comedies with the drama program.

Jazz Ensembles

In addition to the Big Band, UNCW has several small groups that play both mainstream and fusion jazz. The Big Band has produced recordings, while the small groups have garnered awards at jazz festivals and have recorded as well. Also, each year the jazz ensembles perform with some of today's top jazz artists during the annual UNCW Guest Artist Jazz Festival.

Wilmington Symphony Orchestra

The orchestra's annual subscription series includes five concerts performed in UNCW's Kenan Auditorium, the principal concert hall in Wilmington. Orchestra members include UNCW students and faculty, as well as musicians from the community.

Wind Ensemble

The Wind Ensemble is organized each semester to provide instrumental music experience for wind players in a large ensemble. This ensemble performs two concerts each year in Kenan Auditorium and tours annually in the spring.
Other instrumental ensembles include the Pep Band, the Brass Ensemble, the Saxophone Ensemble, the Flute Choir, the Guitar Quartet, the Percussion Ensemble and various Chamber Ensembles.

Vocal Ensembles

The University of North Carolina Wilmington Concert Choir is organized each semester to provide vocal musical experience for those students who desire it. Membership is open to any student in the university, with the approval of the director, and any participant may earn credit. Participation by non-music majors may be supplemented by private lessons, also for credit.
The University Concert Choir and small ensemble, The Chamber Singers, regularly

provide music for university functions, appear on radio and television, and act as ambassadors from the university at a wide spectrum of community functions.
The UNCW Concert Choir's yearly activities have included at least two on-campus concerts and an extensive tour during the spring holidays. On occasion, the choir has participated in large, joint stage productions of opera and musical comedies with the drama division.

Storytelling in the Community

University students may enroll in COM 212 Storytelling in the Community, a two-credit hour course in which students are instructed and coached to visit local elementary schools and perform stories for children. In this manner, students learn to apply theoretical concepts related to performance and audience adaptation in actual settings. The course and activities emphasize interactive storytelling that directly involves audience members.

University Theatre

The University Theatre is a student-oriented theatre dedicated to the continuing development of all theatre practitioners. It strives to produce a total theatrical experience to support the educational, creative, and recreational potential of a campus-based theatre.
Two major productions are presented each semester, with student productions presented on demand. Participation is not limited to theatre majors.
See also:
https://www.uncw.edu/outreach/
UNCW is engaged with Southeastern North Carolina through innovative programs of lifelong and professional learning, applied research, and service that result in measurable improvements in our region's social and economic condition. We advocate for and support sustained, issue-specific partnerships between faculty, staff, and students and regional business, nonprofit, and government organizations, we support academically-based programs that enrich the lives of the youth and adults living in Southeastern North Carolina. Opportunities for student participation exist in the following areas;

Conference and Event Management

Conference Services and Event Services provides comprehensive logistical and administrative services including on-campus facilities, lodging, food and registration for both internal and external organizations hosting conferences at UNCW.

Professional and Organizational Development

Professional and Organizational Development offers working professionals an opportunity to further develop their skills and/or provides an opportunity for career exploration by delivering on-site and online training. Visit https://www.uncw.edu/professional-ed

Osher Lifelong Learning Institute at UNCW (OLLI)

Osher Lifelong Learning Institute at UNCW (OLLI) refers to an individual's ongoing commitment to education and includes non-credit activities for personal enrichment, including short courses related to academic studies, such as history, art and languages, as well as activities such as lunch and dinner speaker series, public forums, special issues presentations and international travel. Other lifelong learning opportunities include the Adult Scholars Leadership Program, which brings accomplished members of the 55+ community together to discuss regional issues. Each semester the divisional publication, Pathways, catalogues current lifelong learning opportunities at UNCW. Visit https://www.uncw.edu/olli to learn more.

Scholarly Community Engagement

Scholarly Community Engagement facilitates interdisciplinary teams composed of faculty/student researchers and community organizations, conducting meaningful long-term applied research projects addressing local issues. Engaging the community in scholarly research, faculty and students affect the quality of life of individuals and communities in our region. Students participate in community-based

research through internships, directed independent study and faculty-led research projects.

Storytelling in the Community

University students may enroll in [[permalink=1273|tooltip:{'title':1}]] %prefix% %code% %title%[[/permalink]], a two-credit hour course in which students are instructed and coached to visit local elementary schools and perform stories for children. In this manner, students learn to apply theoretical concepts related to performance and audience adaptation in actual settings. The course and activities emphasize interactive storytelling that directly involves audience members.

Media Production

Media Production, formerly UNCW-TV, highlights the intellectual diversity of the university by creating educational programming derived from the academic departments of UNCW and delivered by UNCW-TV, through a variety of media. Also, Media Production serves the university through its Creative Services television production, such as broadcasting events like UNCW Commencement, a variety of award ceremonies, candidates forums, community based television programming and award winning documentaries.

Youth Programs

Begin your journey to higher education by participating in one of UNCW's outstanding programs for youth of all ages. We offer summer academic enrichment opportunities, school year standards-based programs, and community outreach events that engage youth in experiential education, service learning and leadership development. Visit https://www.uncw.edu/youth/

Campus Activities and Student Involvement

Campus Activities and Involvement Center

The Campus Activities and Involvement Center (CAIC) is students' gateway to entertainment and involvement on campus. As part of the Division of Student Affairs, we are "creating experiences for life" by providing opportunities for students to participate actively, grow personally and explore new ideas and interests through a variety of entertainment and involvement experiences, including the annual Involvement Carnival. Our staff, and the students with whom we work, are committed to creating a vibrant campus community filled with diverse activities for all students. Students interested in learning how to get engaged with student organizations, hone their leadership skills, or simply to find out about events and activities can do so on WaveLink at https://uncw.campuslabs.com/engage.

Campus Activities

Campus Activities and Programs coordinate and promote opportunities to cultivate connection and social engagement for UNCW students. Our programs include: Association for Campus Entertainment (ACE); Ann Flack Boseman Gallery; Campus Life Marketing; Leadership Lecture Series; UNCWeekends; Campus Life Union Events; Summer @ the Dub; and the university-wide coordination of Fall and Spring UNCWelcome. For more information on Campus Activities & Programs, visit the Campus Activities and Involvement Center (CAIC) in the Fisher Student Center, Room 2029 or email clprograms@uncw.edu.

Summer @ the Dub

Summer @ the Dub features a comprehensive calendar of campus and community events for students throughout the summer months, including activities such as outdoor recreation, special events, summer sporting event tickets, and much more. For more information, visit the Campus Activities and Involvement Center (CAIC) in the Fisher Student Center, Room 2029 or email clprograms@uncw.edu.

Campus Dining

UNCW Campus Dining is committed to providing culinary options to satisfy diverse tastes. We deliver fresh and healthy food while also providing a high-quality

experience prepared by professionally trained staff and award-winning chefs. Campus Dining locations are open to meet the schedules of students, staff and faculty.
Campus Dining offers four convenience stores on campus. These provide a wide range of ready to eat meals as well as pre-packaged snacks, drinks and more! UNCW Campus Dining features several national brands throughout campus: Starbucks, Chick-fil-A, Panda Express, Subway, Einstein Bagels, Dunkin Donuts, and a Wilmington local favorite, Port City Java located in Randall Library. Local Restaurant Row is located in Hawk's Nest and provides a space for local restaurants to pop up on campus to offer students more variety and a taste of Wilmington right here on campus!
For a full listing of dining locations and Meal Plan options, visit www.uncw.campusdish.com. Information about On-Campus Required and on-Campus Voluntary/Off Campus Meal Plans is available at http://uncw.edu/studentmealplan. Contact us at 910.962.3560, or see the Auxiliary Services One Card office in Warwick Center for more information.
See also:

Campus Life Facilities

Student life is enriched at UNCW by a broad spectrum of activities, many of which occur in or around the Campus Life facilities, which includes the Fisher Student Center, Fisher University Union, Burney Center and Warwick Center. The Fisher Student Center is a 73,000 square foot facility which houses student organization offices in the Campus Activities and Involvement Center, the Student Media Center, meeting rooms, lounges, study areas, the University Bookstore, Lumina Theater – a 330-seat movie theater, and views of the Campus Commons.
The Fisher University Union is a 62,000 square foot facility that houses the Hawk's Nest food court concepts and dining space. Services in this facility include the post office, the Passport Office, and Provisions on Demand (a convenience store). Many student service offices, including the Career Center, Transition Programs, the Upperman African American Cultural Center, Centro Hispano, the Mohin-Scholz LGBTQIA Resource Office, the Asian Cultural Heritage Center, and the Campus Life Administrative Office are located in the Fisher Union. In addition, the Ann Flack Boseman Gallery is located on the second floor of the Fisher University Union with

art on exhibit throughout the year.
The Burney Center houses the largest multipurpose ballroom space on campus. The Campus Life Reservation and Event Services office, which is located in the Fisher University Union, will be happy to speak with you about this and other reservable spaces in any of the Campus Life facilities.
The Warwick Center houses a large multi-purpose room which can be divided into as many as three smaller spaces. Areas of the multi-purpose room are available to the university community and the community at large for meetings, and conference proceedings. Dub's Café, area is also located in the Warwick Center, as is the new UNCW Swap Shop where students can donate and access free clothing and other items.
Campus Life facilities and Campus Commons are student-oriented facilities in the center of campus that are welcoming, adaptable, well maintained, safe and accessible. These facilities are intentionally designed to be inviting and to encourage interaction with the community. As is the case for all campus facilities, it prominently features copies of the UNCW Seahawk Respect Compact.

Housing and Residence Life

The Department Office of Housing and Residence Life is responsible for the development of educational, cultural and social programs to enhance student life on campus. The goal of the Housing and Residence Life program is to create an environment conducive to academic pursuits and the personal growth of resident students. More than **250** Residence Life staff are responsible for the supervision of resident students in the residence halls, on-campus apartments, and suite-style buildings.
The university has residence hall facilities for over **5,000** students. All rooms are air-conditioned and furnished. Wifi and Ethernet computer networking, which allows student computers to access university software, has been installed in all residential facilities. Laundry facilities are available. The Residence Life program offers opportunities for student employment and leadership positions through hall governance. Students in all traditional residence halls**,** University Suites, Pelican, Sandpiper, Terrapin, and Loggerhead Halls, are required to participate in the university meal plan program. Sophomores, Juniors and Seniors who reside in **other locations** will not be required to have a university meal plan.

Student Media

Founded in 1948, *The Seahawk*, the student newspaper, publishes a weekly online edition (www.theseahawk.org) throughout the calendar year. The paper's staff is composed entirely of students interested in journalism, multimedia and computer-assisted design. *Atlantis*, the student creative arts magazine, publishes literature and art created by student writers and artists from throughout the UNC system. The magazine is funded by student fees and advertising and sponsors public readings and art exhibits. TealTV is a student-run production unit that provides students hands-on experience in script writing, video production, broadcast journalism, digital-video editing, announcing and reporting. Founded in 1999, TealTV produces several original programs including "Seahawk Central News," a program of campus news and information. TealTV's programs air regionally on Time Warner Cable channel 5 and on the UNCW's closed-circuit channel 77. Together, *The Seahawk* and "Seahawk Central" play valuable roles within UNCW's interdisciplinary Journalism Minor. UNCW Student Media Sales & Marketing provides the program's student publications with advertising and underwriting sales and marketing services and provides training for students interested in the business of media. UNCW Student Media also serves as home to other student organizations interested in mass media, such as Hawkstream Radio (podcasting station), and Flicker Film Society, which produces original student films and sponsors the annual Reel Teal Festival.

The Student Media Board (SMB) is UNCW Student Media's governing body. A chancellor's advisory board, the SMB advises student publications and works to ensure their First Amendment rights. Comprised of students, faculty, university staff and community professionals, the SMB allocates budgets and provides financial oversight. Applications for two student-at-large positions, appointed to the board annually, are accepted in the spring semester. More information about UNCW Student Media is available online at https://uncw.edu/studentmedia/index.html.

See also:

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Seahawk Mail

Seahawk Mail is a full-service U.S. Postal Service contract station serving UNCW students, faculty, staff, and the general public. Seahawk mail provides on-campus student mail services, including mailboxes and package pickup. Located in the Fisher University Union, Seahawk Mail is your one-stop shop for postage, money orders, mailing supplies, FAX services, and notary services. Seahawk Mail is open weekdays from 8:30 a.m. through 4:30 p.m. with package pickup service until 5 p.m. Forms of payment accepted at Seahawk Mail are cash, check (with valid identification), Seahawk Buck$, and credit cards (Visa, American Express, and MasterCard. There is a required minimum purchase of $3.00 for credit cards). Freshmen, residential and international students are mandatorily assigned a campus box for their personal and university correspondence. For students living on campus, the campus mailbox serves as their official campus address and is their only mailing address. All other students may request a mailbox assignment if desiring to receive mail or packages at Seahawk Mail. Package pickup service includes all carriers, such as U.S.P.S., UPS, Fed Ex, DHL, and floral delivery. Students will receive an email location whe mail is ready for pickup. Students are responsible for providing a forwarding address when they move or leave the university. Please visit our Web site at www.uncw.edu/mail for more information.

UNCW Bookstore

Located in the Fisher Student Center, the UNCW Bookstore is your one-stop shop for all your UNCW needs from textbooks to school spirit apparel. You can rent, purchase used textbooks, and even buy/rent digital textbooks for all your course related materials. Shop confidently at the UNCW Bookstore as they offer a Price Match Program to Amazon.com and BN.com to help students get the best price possible. They also carry a large assortment of school supplies and tech supplies including, laptops and printers. The UNCW Bookstore offers the largest inventory of Seahawk apparel and gift items so you can show off your Seahawk pride! They are also home to Dub City Brew Café who proudly brew Starbucks Coffee where students can use their One Card funds to grab a quick beverage or snack. Forms of

payment accepted at the bookstore include Seahawk Buck$, cash, credit/debit cards, Apple Pay, Samsung Pay, Barnes & Noble gift cards, and Bookstore Dollars** and Food Dollars (Dub City Brew Café only.
Can't make it in to the bookstore? No problem! All of your textbooks and favorite UNCW Gear are available online at http://www.ShopUNCW.com. Simply place an online order, and we'll notify you when it is ready!
Contact the UNCW Bookstore at 910-962-3188 or, at www.uncw.edu/bookstore for more information on bookstore services.
**Some exclusions and restrictions apply to the Price Match Program. For full details, please visit the UNCW Bookstore website or ask one of our booksellers.*
**Bookstore Dollars – an optional account on the UNCW One Card that provides students with the ability to get their books and supplies without waiting for a financial aid refund by charging the selected funds to their student account. Funds on the Bookstore Dollars account do not expire – they roll over from semester to semester and are continually available to use for any item in the bookstore, including clothing items, Dub City Brew Café items, textbooks, technology items, and so much more! Please visit http://www.uncw.edu/onecard for more information.

University Information Center

The Information Center, conveniently located on the first floor of the Fisher Student Center, provides a variety of information about campus, student and community activities, as well as campus telephone numbers. The center also provides free laptop computer check out, umbrella checkout, and serves as the campus Lost and Found. Contact the Information Center at (910) 962-3841.

- **All students living in Belk, Cornerstone, Graham, Hewlett, Innovation, Keystone, Loggerhead, Pelican, Sandpiper, Schwartz, and Terrapin** are required to have a Hawk plan (Gold, Silver or Bronze). The default meal plan for these locations will be the Hawk Silver, meaning students will have the option to either upgrade their plan to the Hawk Gold or downgrade their plan to Hawk

Bronze.
All students living in the University Suites are required to have at least the Block 125 meal plan. The default meal plan for these locations will be the Hawk Silver, but students will have the option to either upgrade to the Hawk Gold, or downgrade to the Hawk Bronze or Block 125.
Meal plan transactions are facilitated on **students'** UNCW One Card ID, and it must be presented at every meal. Student ID cards are not transferable. The All Access plans allow students to treat a friend or family member by using a guest meal at Wagoner Dining Hall, the Shore Dining Hall, and Dub's Cafe, or by using their food dollars or Teal Meals. Teal Meals on the Hawk All Access plans do NOT carry over from one week to the next, and will reset every Sunday morning.
Meal Plan Rolling: *The student's Fall semester meal plan will be automatically assigned to the student for the Spring semester. Changes to meal plans can be made in MySeaport before the change period end date. For a list of current change period dates and additional details, please visit the UNCW One Card student meal plan website at www.uncw.edu/studentmealplans.*
Unused Food Dollars roll over to the next semester if and only if you purchase a meal plan for that semester. Additionally, rolling occurs from summer to fall and fall to spring ONLY. Unused Food Dollars will be rolled into the following semester's account after the meal plan change period for that semester. ***All unused Food Dollars expire at the end of the spring semester.***

2025-2026 On-Campus Housing Meal Plans

*NC sales tax is charged on the Meals portion only at the time of meal plan purchase. Food dollars will be taxed as they are used.
Adding additional Food Dollars or Meals (Block Plans) may be done at any point during the semester after the meal change period.
Visit http://www.uncw.edu/studentmealplans for more information.
Meal plans and meal plan rates are set by the university's Board of Trustees and are subject to change.

Contact the One Card/Meal Plans office at 910-962-3560 or email mealplans@uncw.edu with any questions.

- The UNCW One Card is the UNCW student ID and official form of identification on campus. It allows the use of campus facilities, and provides safe, easy access to student housing, campus facilities, and student labs. With a valid UNCW One Card, students can check out materials at Randall library, ride the Seahawk Shuttle WAVE transit buses at no cost, and much more, including receiving a discount at local merchants through the Seahawk Savings Program. Students also have three accounts they can utilize on the One Card: Seahawk Buck$, Bookstore Dollars, and their Meal Plan. For more information on these accounts, please visit https://www.uncw.edu/onecard.
  Seahawk Buck$ is the debit account feature of the UNCW One Card. With prepaid funds, students can make purchases at all food service locations, UNCW Bookstore, vending machines, student copiers, health center, pharmacy, Seahawk Mail, iPrint locations, iPrint Business Center, and more. Deposits may be made either online using the UNCW One Card Online Management Center online, or at the UNCW One Card Office located in Warwick Center.
  Students can track UNCW One Card balances (Food Dollars, Seahawk Buck$, and Bookstore Dollars) at the UNCW One Card Online Management Center or on the smartphone/tablet App called "Transact eAccounts". For more information, visit the UNCW One Card office in the Warwick Center or https://www.uncw.edu/onecard/.
- UNCW offers voluntary meal plans for students living off campus or upperclassmen living in Voluntary On-Campus Housing, consisting of Seahawk Village, Seahawk Landing, or Seahawk Crossing. The plans are designed to give students the convenience of using their One Card instead of carrying cash.
  Meal Plan Rolling: *The student's Fall semester meal plan will be automatically assigned to the student for the Spring semester. For a list of current change period dates and additional details, please visit the UNCW student meal plan website at* www.uncw.edu/studentmealplans.
  Unused Food Dollars roll over to the next semester if and only if you purchase a meal plan for that semester. Additionally, rolling occurs from summer to fall and fall to spring ONLY. Unused Food Dollars will be rolled into the following semester's account after the meal plan change period for that semester. ***All unused Food***

Dollars expire at the end of the spring semester.

2025-2026 On-Campus Voluntary or Off-Campus Meal Plans

*NC sales tax is charged on the Meals portion only at the time of meal plan purchase. Food dollars will be taxed as they are used.
Adding additional Food Dollars or Meals (Block Plans) may be done at any point during the semester after the meal change period. Visit https://www.uncw.edu/studentmealplans for more information.
Meal plans and meal plan rates are set by the university's Board of Trustees and are subject to change.
Contact the One Card/Meal Plans office at 910-962-3560 or email mealplans@uncw.edu with any questions.

TealPay Payment Plan Term Enrollment Fee

Students have the option to enroll in one of UNCW's TealPay payment plans. Three options are available each Fall and Spring to pay the charges on the student's account with three, four or five installment payments during the term. The three-installment payment plan is available in the Summer. Enrollment fees are non-refundable. OAP students are not eligible for the payment plans due to the course duration.

Campus Recreation

https://uncw.edu/seahawk-life/health-wellness/campus-recreation/
The Department of Campus Recreation provides a multi-faceted program that includes the following programmatic areas: Group Fitness, Personal Training and

Fitness Programs, Intramural and Sport Clubs, Aquatics, Adventure Recreation, Informal Recreation, and Member Services. We believe in a "Something for Everyone" philosophy to programming and services. To accomplish our mission, the department is home to various facilities:

- The Pat Leonard Student Recreation Center contains an aquatics facility (indoor lap pool and outdoor leisure pool), functional strength training area, 6 courts (used for basketball, volleyball, badminton, pickleball) 2 MAC (multi-purpose activity courts) for indoor soccer and special events, a 30 ft. rock climbing wall, adventure equipment check-out center, racquetball courts, the walking/jogging track, and many other functional recreational areas and amenities.
- The Recreational Field Complex is a 11-acre outdoor field complex with three lighted multipurpose fields (two synthetic turf and one natural grass), two operations buildings with restrooms, equipment check-out, vending machines, and water/bottle filling stations.
- The Shoreline Sports Complex is a 6.5-acre outdoor sports complex with four lighted sand volleyball courts, four lighted basketball courts, four lighted tennis courts (two courts lined for pickleball), one lighted large grass field, one lighted smaller grass field, outdoor fitness area, pavilion building (seating, equipment check-out, and restrooms), multiple water/bottle filling stations.
- The Adventure Recreation Challenge Course consists of both a high and low ropes course. The high ropes course is a structure that stands around 35 ft. tall with 12 bridge-like elements, giant swing, zipline, flying squirrel, high-5, fidget ladder, and ground school. The low ropes course can utilize a variety of the 12 element structures and spaces that are available.

Campus Recreation facilities and programs provide UNCW students, faculty, staff, and community members with experiences that support their overall health, wellbeing, and a sense of belonging. CR are major facilitators of the UNCW Healthy Hawks wellbeing model, and asks students, faculty and staff to commit to holistically healthy lifestyles to maximize personal and professional wellness. We inspire healthy lifestyles through recreation, innovative programming with sustainable facilities, while embracing technology and fostering leadership development.

Disability Resource Center

Students with disabilities are a rapidly growing minority at UNCW, as elsewhere in American higher education. Consistent with Section 504 of the Rehabilitation Act of 1972 and the Americans with Disabilities Act (as amended), it is the policy of UNCW that no otherwise qualified individual in the United States be excluded from, denied benefit of, or be subject to discrimination based on their disability within university activities, programs, or services.

Disabililty Resource Center (DRC) is the designated office providing services and

information to students with disabilities enrolled or considering enrollment at UNCW. As such, DRC is committed to providing assistance to enable qualified students with disabilities equal opportunity to accomplish their educational goals and derive all of the benefits of campus life.
DRC serves as an advocate for students with disabilities, and as a resource for UNCW faculty, staff and administration. Through intentional partnerships, DRC strives to create an atmosphere that encourages students' independence, responsibility for self, effective communication skills, and a respect for the diverse learning experience.
Students with disabilities needing accommodations or questions regarding resources should contact Disability Resource Center for more information, including documentation guidelines and requirements.
DRC@uncw.edu
(910) 962-7555
www.uncw.edu/disability

SEA.*lab* (Strategy Enhancement for Achievement)

Established to meet the unique needs of students with disabilities, SEA Lab offers students enrolled at the DRC the assistance of experienced and knowledgeable staff, to aid in their development of skills necessary for academic success.
Through SEA Lab, students have an opportunity to explore various strategies and techniques to assist them in their goals toward overall academic achievement and individual development. SEA Lab offers workshops and 1.1 instruction on topics such as:

- Time management and organizational skills
- Reading strategies and notetaking
- Test-taking and final exam preparation
- Understanding of one's disability
- Self-advocacy and metacognitive development

Military and Veteran Support Services

https://uncw.edu/seahawk-life/support-success/military-veterans/
The Office of Military Affairs is a support and advocacy office that was established in March 2016 to develop and coordinate resources to help military affiliated students - those currently serving, veterans, and their family members - achieve their academic and career goals.

Our staff members help students and their families learn how to navigate the university while helping faculty and staff understand and serve this important student population.

Our offices are located in the amazing Military Affairs Wing in Veterans Hall Room 1029. Office hours are Monday-Friday, 0800-1700.
For more information on UNC System Policy 700.7.1. for Military Student Success, including Deferral of Enrollment and Call to Duty, see the policy here: https://www.northcarolina.edu/apps/policy/doc.php?type=pdf&id=852

Multicultural Student Resource Centers

https://uncw.edu/about/university-administration/student-affairs/departments/campus-life/student-resource-centers

Asian Heritage Cultural Center https://uncw.edu/seahawk-life/get-involved/students/asian-heritage-cultural-center/

Centro Hispano creates a responsive educational, scholarly and social environment for Latinx students, faculty and others interested in Hispanic and Latinx culture. Primarily, the goal of Centro Hispano is to support the rapidly growing number of Latinx students applying, attending and completing degrees at UNCW. Centro Hispano promotes opportunities that broaden understanding and appreciation of diverse Hispanic cultures, offer resources that maximize the success of each student, and most importantly, provides a place where every student feels at home while striving for success. Furthermore, the center supports the research, teaching and service components necessary for the training and preparation of global citizens. It also informs, guides and champions UNCW's engagement with the region on issues critical to Latinx constituencies.

Centro Hispano https://uncw.edu/seahawk-life/get-involved/students/centro-hispano/

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Mohin-Sholz LGBTQIA Resource Office https://uncw.edu/seahawk-life/get-involved/students/lgbtqia-resource-office/

The Mohin-Scholz LGBTQIA Resource Office at the University of North Carolina Wilmington supports lesbian, gay, bisexual, transgender, questioning, intersex and allied students, faculty, staff, and alumni. Our office works to create a safe and inclusive environment for the LGBTQIA community and contribute to a culturally rich campus. Additionally, the office works both to raise awareness and inclusion of sexual and gender minorities and to provide information, referral, support, and programming to the UNCW Community. We do this through community building, advocacy, social justice and diversity education and the development of global citizens. All members of the UNCW campus are welcome, regardless of gender identity or other factors.

Upperman African American Cultural Center https://uncw.edu/seahawk-life/get-involved/students/african-american-cultural-center/

The Upperman African American Cultural Center (UAACC) provides UNCW students, faculty, staff, and others interested in African and African American culture a central location from which they can experience the rich heritage of African diaspora through scholarly and cultural workshops, presentations, exhibits,

performances, lectures, and print and visual media. Working collaboratively with campus and community partners, the UAACC works to positively impact the recruitment, retention, and academic achievement of black students at UNCW, and contribute to the preparation of *all* UNCW students to excel in an increasingly diverse world.

Office of the Dean of Students

The Office of the Dean of Students is committed to advocacy and education centered on student growth and self-responsibility by serving as a central resource for UNCW students, faculty and staff. Through collaboration with the university and Wilmington community, we provide assistance to members of the UNCW community by: educating students about their rights and responsibilities as members of our community; assisting students, faculty and staff with interpretation of campus policies, including the Code of Student Life and the Student Academic Honor Code; training and educating faculty, staff and students on community standards and conflict resolution; establishing grievance and conflict resolution procedures; referring students to myriad resources to increase the likelihood of their success; assisting in the coordination of 24 hour emergency and crisis response; and providing resources and education for special populations including fraternity & sorority life members and off campus students. Our mission is to foster a respectful and dynamic community that affirms the value and contributions of each individual and which harbors and elevates democracy, civility, and diversity as paramount values.

The following services and programs are coordinated and managed through the Office of the Dean of Students: Off-Campus Student Services; Alternative Dispute Resolution; Cornerstone Community Standards; Student Conduct; Student Academic Honor Code and Case Management (student behavioral intervention/resource referral). Student rights and responsibilities are communicated through the Code of Student Life, and we adjudicate academic and behavioral violations through the campus conduct system. Our staff is vested in the success of every student, and we invite you to access us as partners in assisting you in your roles as students, faculty and staff at UNCW. If you have any questions or need assistance, please contact the Office of the Dean of Students at (910) 962-3119, by e-mail at deanofstudents@uncw.edu or visit our website at www.uncw.edu/odos.

Office of Title IX and CARE

The Office of Title IX and Clery Compliance is committed to providing an inclusive and welcoming environment for all students, faculty, staff, and visitors. All members of the UNCW community are expected to engage in conduct that contributes to its culture of integrity and honor that we always strive to maintain. The university prohibits its faculty, staff and students from engaging in any form of discrimination, protected-status harassment, sexual harassment, and sexual violence, and retaliation and expects these individuals to refrain from committing acts of discrimination, bias, or sexual violence. In compliance with federal and state law and university policy, the university maintains processes to provide redress and remediation to individuals or groups who believe they have been victims of these offenses. If you have any questions or need assistance, please stop by the Office of Title IX and Clery Compliance in DePaolo Hall Room 1003 or call 910-962-2937, email: titleix@uncw.edu. You may also visit: https://www.uncw.edu/titleix/ for more information and links to the relevant policies.

CARE: Campus Advocacy, Resources and Education

CARE: Campus Advocacy, Resources and Education is the office at UNCW dedicated to relationship education, interpersonal violence prevention and crisis response/advocacy. CARE offers education about relationship issues, including healthy relationship skill-building and consent, as well as prevention of interpersonal abuse and violence, sexual assault, stalking, exploitation and harassment. We offer confidential consultations, crisis counseling, advocacy, accompaniment and referrals to students, staff and faculty who have experienced victimization, as well as those students, faculty, staff or others concerned about a loved one affected by abuse or violence. CARE additionally offers educational programming, awareness-raising events and bystander intervention trainings. CARE is available 24 hours a day through our hotline at (910) 512-4821.
For more information, call (910) 962-CARE, or (910) 512-4821 after business hours, stop by our office in DePaolo Hall, Suite 103, or visit our Web site at www.uncw.edu/care.

Outreach

https://www.uncw.edu/outreach/
UNCW is engaged with Southeastern North Carolina through innovative programs of lifelong and professional learning, applied research, and service that result in measurable improvements in our region's social and economic condition. We advocate for and support sustained, issue-specific partnerships between faculty, staff, and students and regional business, nonprofit, and government organizations, we support academically-based programs that enrich the lives of the youth and adults living in Southeastern North Carolina. Opportunities for student participation exist in the following areas;

Conference and Event Management

Conference Services and Event Services provides comprehensive logistical and administrative services including on-campus facilities, lodging, food and registration for both internal and external organizations hosting conferences at UNCW.

Professional and Organizational Development

Professional and Organizational Development offers working professionals an opportunity to further develop their skills and/or provides an opportunity for career exploration by delivering on-site and online training. Visit https://www.uncw.edu/professional-ed

Osher Lifelong Learning Institute at UNCW (OLLI)

Osher Lifelong Learning Institute at UNCW (OLLI) refers to an individual's ongoing commitment to education and includes non-credit activities for personal enrichment, including short courses related to academic studies, such as history, art and languages, as well as activities such as lunch and dinner speaker series, public forums, special issues presentations and international travel. Other lifelong learning opportunities include the Adult Scholars Leadership Program, which brings accomplished members of the 55+ community together to discuss regional issues. Each semester the divisional publication, Pathways, catalogues current lifelong

learning opportunities at UNCW. Visit https://www.uncw.edu/olli to learn more.

Scholarly Community Engagement

Scholarly Community Engagement facilitates interdisciplinary teams composed of faculty/student researchers and community organizations, conducting meaningful long-term applied research projects addressing local issues. Engaging the community in scholarly research, faculty and students affect the quality of life of individuals and communities in our region. Students participate in community-based research through internships, directed independent study and faculty-led research projects.

Storytelling in the Community

University students may enroll in COM 212 COM 212 - Storytelling in the Community , a two-credit hour course in which students are instructed and coached to visit local elementary schools and perform stories for children. In this manner, students learn to apply theoretical concepts related to performance and audience adaptation in actual settings. The course and activities emphasize interactive storytelling that directly involves audience members.

Media Production

Media Production, formerly UNCW-TV, highlights the intellectual diversity of the university by creating educational programming derived from the academic departments of UNCW and delivered by UNCW-TV, through a variety of media. Also, Media Production serves the university through its Creative Services television production, such as broadcasting events like UNCW Commencement, a variety of award ceremonies, candidates forums, community based television programming and award winning documentaries.

Youth Programs

Begin your journey to higher education by participating in one of UNCW's outstanding programs for youth of all ages. We offer summer academic enrichment opportunities, school year standards-based programs, and community outreach

events that engage youth in experiential education, service learning and leadership development. Visit https://www.uncw.edu/youth/

Special Academic Centers

https://www.uncw.edu/cestem/
The Center for Education in Science, Technology, Engineering, and Mathematics - CESTEM - (formerly the Science and Mathematics Education Center - SMEC) at UNCW is committed to regional service and endeavors to stimulate teachers' intellectual curiosity and increase exposure to current technology. The center is responsible for providing K-12 professional development programming in science, technology, engineering and mathematics (STEM). CESTEM applies the resources of UNC Wilmington to improve the teaching and learning of STEM disciplines in the K-12 schools of southeastern North Carolina. The center offers a range of professional development programs in the areas of STEM for pre-service and in-service elementary-, middle-, and high-school teachers, as well as an annual STEM education conference. Through center-sponsored activities, teachers can earn certificates that schools may accept as Continuing Education Units toward their license renewal.
CESTEM operates the Technology Loan Program (TLP), a program that lends science and technology materials and other resources to regional K-16 teachers at no cost for use in their classrooms. CESTEM also hosts annual student STEM competitions for grades 3-12, including the Southeast Regional Science and Engineering Fair, the Wilmington Regional Science Olympiad, and the Regional SeaPerch Competition.
Contact CESTEM at (910) 962-3168 for more information on programs.

(https://www.uncw.edu/cie/index.html)
CIE is an innovation hub serving UNCW students and faculty, as well as innovation-forward startups in NC's southeastern region. We offer incubation space, coworking, and programs (such as meetups, a mentoring program, precelerators, and pitch practice) specializing in high-impact entrepreneurs from ideation to commercialization. We attract changemakers and dreamers, the inquisitive and curious, and those who have the mindset to control their destiny. CIE serves as a UNCW-community connector, whether it is for student success or entrepreneurial

success.

https://www.uncw.edu/cms/

The Center for Marine Science (CMS) at the University of North Carolina Wilmington is dedicated to interdisciplinary approaches to answering questions in basic marine research. The mission of the center is to promote basic and applied research in the fields of oceanography, coastal and estuarine studies, marine biotechnology and aquaculture, marine biology, marine chemistry, and marine geology. Faculty from 11 departments with teaching and/or research interests related to the marine sciences participate in this program; including marine science researchers in the Departments of Biology and Marine Biology, Chemistry and Biochemistry, Geography and Geology, Environmental Sciences, and Physics and Physical Oceanography. Center faculty serve on regional, national and international research and policy advisory groups and thereby contribute to the development of agendas on marine research in the United States and the world. International interactions with labs in Europe, North America, South America, Australia, New Zealand, Asia, Africa, Bermuda, the Bahamas and Caribbean, the United Kingdom, and all regions of the coastal United States augment extensive programs addressing North Carolina coastal issues. By integrating these advisory functions with research programs of the highest quality, CMS enhances the educational experience provided by the University of North Carolina Wilmington for both undergraduate and graduate students in marine science.
The Center for Marine Science occupies a research and education facility located six miles from the main campus on the Atlantic Intracoastal Waterway, providing support for coastal and marine science efforts throughout UNCW. The modern marine science center at Myrtle Grove has a total of 181,000 square feet of net indoor space including: a new 69,000 square foot marine biotechnology building and 12,000 square foot shellfish research hatchery, group meeting facilities for up to 150 individuals; fully equipped research laboratories, classrooms, and marine science laboratories; a greenhouse with running seawater; a radioisotope laboratory; computer workrooms, cold rooms, and walk-in freezers; temperature controlled rooms; autoclave and media preparation room; darkroom; chemical storage and balance rooms; fireproof vault for data storage; clean room; central analytic facility;

sample processing rooms; aquarium room with running seawater; 7,200 gallon oceanographic test tank with electric overhead hoist; indoor storage; outdoor storage; shower/locker facilities; and outdoor facility for tanks with running sea water.

Core facilities include: nutrient analysis; DNA sequencing; oceanographic instrumentation; running seawater systems; and high-field NMR and stable isotope ratio mass spectroscopy. The seawater system provides raw, filtered, and purified seawater; tank farm services; and aquarium room services. The location of the center provides easy access to regional marine environments such as: tidal marshes/mud flats/sand flats/oyster reefs; tidal creeks; barrier islands and tidal inlets; the Atlantic Intracoastal Waterway; near shore marine environments; the Gulf Stream; hard bottom communities; sand dunes and maritime forests; and both highly developed and minimally developed estuarine environments. A 770-foot pier with docking facilities for several coastal research vessels is in place on the Atlantic Intracoastal Waterway. The center maintains 22 research vessels ranging in size from sixteen to sixty-eight feet as well as specialized equipment for offshore and nearshore/estuarine sampling and observation.

The Center for Marine Science serves as host for: the Coastal Ocean Research and Monitoring Program (CORMP); the Undersea Vehicles Program; an Extension Office for North Carolina Sea Grant; the Marine Mammal Stranding Network; the North Carolina National Estuarine Research Reserve; and UNCW's Marine Quest Program, an extensive community outreach program for public schools and adult education.

The Small Business and Technology Development Center is a business advisory service of The University of North Carolina system that provides management counseling and education services to small and mid-sized businesses in all of North Carolina's 100 counties. The SBTDC at UNCW provides services in New Hanover, Pender, Onslow, Duplin, Brunswick, and Columbus counties. The center helps established firms, high-growth companies and start-up businesses meet today's challenges, manage change, and plan for the future.

Services are well defined and are designed to meet clients' needs:

- Management Counseling – The center helps businesses with financing, marketing, human resources, operations, business planning, and feasibility assessment.
- Management Education Services – The SBTDC also provides targeted, research-based educational products that are focused on change management, strategic performance, and

leadership development for management team, employees, and board members.

- In addition, it offers specialized market development assistance in:
- government procurement
- international export financing
- marine trades services
- technology development and commercialization.

For those thinking about starting a business, the SBTDC at UNCW offers a Pre-Venture Orientation (PVO) program on a regular basis. This two-hour class offers an excellent overview of the first steps in starting a business, obtaining financing and business planning. There is no fee to attend the program.

For more information, call the SBTDC at UNCW at (910) 962-3744 or visit our Web site at https://www.sbtdc.org/offices/uncw/.

https://uncw.edu/swain

An extension of the UNCW Cameron School of Business, the Swain Center for Executive Education serves the region by connecting experts with organizations of all types and sizes. Our programs and services reflect the strength of faculty members, industry leaders, and business consultants. Swain Center partners with organizations through customized leadership solutions, team and operational assessments, executive coaching, and open enrollment project management programs. We equip executives with the essential skills to lead organizations, elevate senior leaders to take on broader roles, and engage the next generation of leaders.

Center for Education in Science, Technology, Engineering, Mathematics - CESTEM

https://www.uncw.edu/cestem/

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Swain Center for Executive Education

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Student Awards and Honor Societies

Student Awards

Some of the organizations listed below are registered with the university through the Campus Activities & Involvement Center as student organizations. For more information about those honor societies, please visit https://uncw.campuslabs.com/engage/organizations

A. Farrell Teague Merit Scholarship for Rising Seniors (Junior)

The Teague Scholarship was created by Arthur Farrell Teague and is used to assist rising seniors who have achieved a high level of academic and extracurricular success during their time at UNCW. Every year a recipient is chosen as the recipient of "The Teague Award." The scholarship is considered a merit scholarship and the recipient will be selected on demonstrated academic ability and special achievement, and must have a comprehensive GPA above 3.5. The scholarship is presented annually at the Division of Student Affairs Cornerstone Awards Banquet.

Adrian D. Hurst Award

Established by Adrian D. Hurst, emeritus professor of mathematics, this award recognizes a

UNCW junior or senior math major who has achieved the highest overall academic grade point average. The award is presented each spring in the form of a plaque.

Biological Sciences Achievement Award

This award was established by the faculty of the Department of Biology and Marine Biology to honor annually the graduating senior biology major who has achieved the highest academic standing. The recipient is identified on a permanent plaque in Friday Hall.

Distinguished Engagement Award (Junior or Senior)

The Distinguished Engagement Award is presented to a select group of junior, senior, and transfer students who have made a significant contribution to UNCW over the course of their undergraduate experience. Recipients must be in good standing with the university and possess a minimum cumulative GPA of 2.75. The award is presented annually at the Division of Student Affairs Cornerstone Awards Banquet.

Excellence in Engagement Award (Sophomore or Junior)

The Excellence in Engagement Award is presented to a select group sophomore, junior, and transfer students for outstanding contributions to improving the quality of student life during their time at UNCW. Recipients must currently be in good standing with the university and possess a minimum cumulative GPA of 2.75. The award is presented annually at the Division of Student Affairs Cornerstone Awards Banquet.

Hoggard Medal For Achievement

"The Hoggard Medal" presented through the generosity of the late Dr. John T. Hoggard, is awarded annually to one graduating senior who, in the opinion of the faculty, has shown the most improvement during their years at the university. The award is presented annually at the Division of Student Affairs Senior Excellence Luncheon.

Margaret Walthour Lippitt Scholarship

The New Student Leader Award is designed to honor a first-year student with a 3.00 GPA or higher who has demonstrated leadership potential, service to UNCW and the community, personal integrity, and significant involvement in campus organizations. The scholarship is presented annually at the Division of Student Affairs Cornerstone Awards Banquet.

Martha M. Duncan Scholarship (Sophomore or Junior)

The Martha M. Duncan Scholarship is presented to one sophomore or junior student. The recipient must be in good standing with the university and possess a minimum cumulative GPA of 3.00. The recipient serves as a "LEAD Fellow" for Student Involvement and Leadership in the department of Campus Life for their scholarship year. The scholarship is presented annually at the Division of Student Affairs Cornerstone Awards Banquet.

Rachel Freeman Service Leadership Award

The Freeman Award, established in honor of the late Mae "Rachel" Freeman, is given to a senior with a cumulative GPA of 2.67 who has demonstrated commitment to bettering the lives of others, leading through examples of service, and the ability to work with others to create social change. The award is presented annually at the Division of Student Affairs Senior Excellence Luncheon.

Pat Leonard Senior Medallion Award (Seniors Graduating in May or December)

The Pat Leonard Senior Medallion Award is the most prestigious award presented by the Division of Student Affairs on behalf of the university community. The award was renamed in 2021 to honor Pat Leonard, the late Vice Chancellor for Student Affairs, and her 37 years of exemplary service to UNCW. Recipients must be in good standing with the university and possess a minimum cumulative GPA of 3.0. The award is presented annually at the Division of Student Affairs Senior Excellence Luncheon.

The Carolyn Elizabeth (Lizzy) Duffy Student Sustainability Award

The Duffy Student Sustainability Award is presented to one student who has been at UNCW at least one semester during the academic year. The recipient must be in good standing with the university and have a minimum 3.0 GPA. The Carolyn Elizabeth (Lizzy) Duffy Student Sustainability Award was created in March of 2015 to honor the efforts of Lizzy, particularly for spearheading the proposal for The Green Initiative Fund, which brought support, resources and visibility to sustainability at UNCW. The scholarship is presented annually at the Division of Student Affairs Cornerstone Awards Banquet.

The Walter Schmid Physics Award

This award has been established in honor of the late Walter Schmid, engineer and inventor, to reward a senior bachelor of science physics major for excellence in physics. The award consists of an engraved plaque and a physics encyclopedia.

UNCW Laureate Award (Sophomore or Junior)

The UNCW Laureate Award, inspired by the Nobel Peace Prize, is presented to one sophomore or junior student. The recipient must be in good standing with the university and possess a minimum cumulative GPA of 3.00. The scholarship is presented annually at the Division of Student Affairs Cornerstone Awards Banquet.

William A. Bryan Senior Leader Award

Student Involvement and Leadership in the department of Campus Life, with the support of the Alumni Association, sponsors the William A. Bryan Senior Leader Award. The award is given to a senior with a cumulative GPA of 3.00 who has demonstrated outstanding leadership on campus and/or in the community. Special emphasis is placed on integrity, creativity, ability to collaborate, and service to others. The award is presented annually at the Division of Student Affairs Senior Excellence Luncheon.

Honor Societies at UNCW

Beta Alpha Psi

Beta Alpha Psi is a national scholastic and professional accounting fraternity. The primary objective of the fraternity is to encourage and give recognition to scholastic and professional excellence in the field of accounting. This includes promoting the study and practice of accounting; providing opportunities for self-development and association among members and practicing accountants; and encouraging a sense of ethical, social, and public responsibility.
Beta Alpha Psi was founded in 1919. The Iota Alpha chapter at UNCW was chartered in 1996 and is a registered student organization through the Campus Activities and Involvement Center.

Beta Beta Beta National Biological Honor Society

Beta Beta Beta (TriBeta) is a society for students, particularly undergraduates, dedicated to improving the understanding and appreciation of biological study and extending boundaries of human knowledge through scientific research. Since its founding in 1922, more than 175,000 persons have been accepted into lifetime membership, and more than 430 chapters have been established throughout the United States and Puerto Rico. TriBeta is a registered student organization through the Campus Activities and Involvement Center.

Gamma Sigma Epsilon

Gamma Sigma Epsilon, a national honorary chemical society, was founded at Davidson College on December 19, 1919. The society recognizes academic excellence in chemistry and fosters a more comprehensive and cooperative study of chemistry and related scientific disciplines. The organization now has 35 active chapters in 22 states, and is growing rapidly. The Alpha Epsilon chapter was established at UNCW in 2001. Eligibility for membership includes junior or senior standing, a 3.35 GPA on at least 30 hours of chemistry courses, and a 3.35 GPA.

Kappa Delta Pi International Honor Society in Education

Kappa Delta Pi International Honor Society in Education is committed to recognizing excellence and fostering mutual cooperation, support, and professional growth for educational professionals.

Lambda Pi Eta Honor Society

Lambda Pi Eta is the official communication studies honor society of the National Communication Association (NCA). As a member of the Association of College Honor Societies (ACHS), LPH has over 400 active chapters at four-year colleges and universities worldwide. LPH was founded in 1985 at the University of Arkansas. LPH became a part of the National Communication Association (NCA) in 1988, and the official honor society of the NCA in July 1995. LPH is a registered student organization through the Campus Activities and Involvement Center.

Omicron Delta Epsilon Economics Honor Society

Omicron Delta Epsilon was founded by Professor John R. Commons at the University of Wisconsin in 1915. Its objectives include conferring distinction for high scholastic achievement in economics and stimulating and promoting student interest in all aspects of economics. ODE is a registered student organization through the Campus Activities and Involvement Center.

Omicron Delta Kappa Society, Inc.

Omicron Delta Kappa (ODK) is the National Leadership Honor Society that recognizes and encourages superior scholarship, leadership, and exemplary character. Membership in ODK is a mark of the highest distinction and honor.
The society recognizes achievements in scholarship; athletics; campus or community service; social, religious activities, and campus government; journalism, speech and mass media; and the creative and performing arts. Emphasis is placed on the development of the whole person, both as a member of the college community and as a contributor to a better society. ODK is a registered student organization through the Campus Activities and Involvement Center.

Order of Omega

Order of Omega is a leadership honor society for members of Greek-letter organizations. Order of Omega recognizes juniors and seniors who have exemplified high standards in the areas of scholarship, leadership, involvement within their respective organization, and within the Greek, campus, and local communities. Members are selected from the top 3 percent of fraternity and sorority members at each institution. To date, over 500 chapters have been chartered throughout North America, each sharing the common goal of recognizing the many outstanding student leaders at their institution.

Phi Alpha National Honor Society in Social Work

Phi Alpha is a nationally recognized honor society for both undergraduate and graduate students majoring in social work. Founded in 1960, Phi Alpha now includes over 225 chapters. The Eta Omega Chapter of Phi Alpha was established at UNCW in 1998. The society recognizes students for excellence in scholarship and achievement in the field of social work. Eligibility for membership requires students to major in a CSEW-accredited social work program, have completed 9 semester hours of social work courses, achieved a minimum social work GPA of 3.25, and a minimum overall GPA of 3.00. Phi Alpha is registered as a student organization through the Campus Activities and Involvement Center.

Psi Chi National Honor Society in Psychology

Psi Chi is the national honor society in psychology. It was founded in 1929 in New Haven, Connecticut, to encourage, stimulate and maintain excellence in scholarship, and to advance the science of psychology. Psi Chi is an affiliate of the American Psychological Association and a member of the Association of College Honor Societies. The University of North Carolina

Wilmington Chapter of Psi Chi was chartered on May 1, 1981, and is one of approximately 675 chapters nationwide. Psi Chi is registered as a student organization through the Campus Activities and Involvement Center.

A further list of academic honor societies with verified chapters at UNCW may be found at https://www.uncw.edu/aa/Academic_Honor_Societies.html

Chancellor's List and Dean's List

Each semester, outstanding scholarship is recognized in the following tiered manner:

Chancellor's List

The Chancellor's List is composed of the names of all full-time undergraduates who earn a 4.0 semester GPA on all work taken. Eligibility for this designation will be determined once all grades for the semester have been posted and any incomplete or IP grades have been converted.

Dean's List

The Dean's List is composed of the names of all full-time undergraduates who earn at least a 3.5 semester GPA on all work taken with no grades "B-" or below. Eligibility for this designation will be determined once all grades for the semester have been posted and any incomplete or IP grades have been converted.

Student-Athlete Support Services (SASS)

Student-Athlete Support Services is a joint effort between Academic Affairs and the UNCW Athletic Department, which seeks to support the academic enrichment and life skill development of every Seahawk student-athlete. SASS Academic Coordinators work diligently to meet the needs of student-athletes' healthy balance of athletic demands while maintaining satisfactory academic standards.
Once student-athletes are admitted to the university, Student-Athlete Support Services Academic Coordinators assist them with registration, sequencing and scheduling of required courses, and selection of a major. They also arrange tutoring

assistance and monitor student-athletes' grades, class attendance, study habits, and progress toward a degree. When a student-athlete declares his or her major, the Academic Coordinators continue to monitor academic performance and progress in conjunction with the student-athlete's departmental advisor.
Central to the role of SASS is the maintenance of a strong working relationship between the program advisors and the university's athletic department and coaches. The Academic Coordinators are knowledgeable about NCAA and CAA rules that apply to eligibility for practice and competition. They are available for consultation when unusual or difficult rule interpretations are needed. They also play a key role in the athletic certification process for all student-athletes.

Student-Athlete Academic Eligibility Requirements

Student-Athlete Support Services helps to monitor the academic progress of each student-athlete as it relates to NCAA, CAA and institutional rules and regulations. The following are examples of rules applying to a student-athlete's academic progress:

- Student-athletes must be enrolled in no fewer than 12 semester hours (full-time) during the fall and spring semesters to be eligible for practice, competition and financial aid.
- Student-athletes must earn at least six (6) semester hours each semester to be eligible for the following semester.
- Student-athletes must earn 18 semester hours during the regular academic year (fall and spring).
- The NCAA requires student-athletes to maintain progress towards a degree and has set benchmarks they must meet throughout their career. Student-athletes must earn: 24 hours prior to the start of their third semester; 40% of a degree prior to the start of their fifth semester; 60% of a degree prior to the start of their seventh semester; 80% of a degree prior to the start of their ninth semester.
- The NCAA requires a student-athlete to designate a major by the beginning of their fifth semester, or to be
  taking major courses that lead to a degree, as certified by the dean or an appropriate academic advisor.
- Student-athletes must meet UNCW and NCAA minimum cumulative grade point averages in order to compete.
- In order to determine initial athletic eligibility, all student-athletes must be approved through the NCAA Eligibility Center.

A number of other policies affect a student-athlete's participation in a varsity sport. Additional information can be found in the *Student-Athlete Handbook*.

NCAA Academic Requirements for Continuing Eligibility

The minimum guidelines defining satisfactory progress toward a degree for student-athletes are as follows:

Year 1 - Freshman

• Earn a minimum of 6 credit hours each semester to maintain eligibility for the following semester.

By the beginning of Year 2

• Earn 18 credit hours during the regular academic year (fall and spring semesters).
• Earn 24 credit hours before the start of the third semester of enrollment.
• Maintain at least a 1.80 cumulative GPA.

Year 2 - Sophomore

• Earn a minimum of 6 credit hours each semester to maintain eligibility the following semester.
• Maintain at least a 1.80 cumulative GPA through the third semester for eligibility the following semester.

By the beginning of Year 3

• Earn 18 credit hours during the regular academic year (fall and spring semesters).
• Declare a major.
• Meet 40% of degree requirements.
• Maintain at least a 1.90 cumulative GPA.

Year 3 - Junior

• Complete a minimum of 6 degree applicable hours each semester for eligibility the following semester.
• Maintain at least a 1.90 cumulative GPA through the fifth semester for eligibility the following semester.

By the beginning of Year 4

• Earn 18 degree applicable hours during the regular academic year (fall and spring semesters).
• Meet 60% of degree requirements.

• Maintain at least a 2.00 cumulative GPA.

Year 4 - Senior

• Earn a minimum of 6 degree applicable hours each semester for eligibility the following semester.
• Maintain at least a 2.00 cumulative GPA through the seventh semester for eligibility the following semester.

By the beginning of Year 5

• Earn 18 degree applicable hours during the regular academic year (fall and spring semesters).
• Earn 80% of degree requirements.
• Maintain at least a 2.00 cumulative GPA.

Student Health

Abrons Student Health Center

The mission of the UNCW Abrons Student Health Center (SHC) is to provide student centered, affordable, quality health and preventive services to the students ofUNCW. Our goal is to help students stay as healthy as possible so that they can fully engage in and out of the classroom. We see ourselves as a key component of student success here on campus.
Services include confidential diagnosis and treatment of general and acute medical problems, psychiatric medication management, nutrition services, allergy injections, immunizations, laboratory services, women's health care, contraception services, men's health assessment and preventive services. The health fee is included in student fees and entitles students taking six or more credit hours to unlimited visits. There are additional charges for services such as lab tests, immunizations, administration of allergy shots, and annual exams and physicals. Students taking less than six hours will be entitled to health services upon payment of the health fee. The Abrons Student Health Center does not routinely issue excuses for class absences due to illness. For more information, or to make an appointment, please call 910-962-3280 or visit us on the web at Student Health Center.
All students are required to submit a completed "Medical History Form and

Immunization Record" upon being admitted to UNCW. For more information, refer to the

North Carolina General Statute 130A-155.1 establishes specific immunization requirements for all students enrolled in North Carolina colleges or universities. It is the responsibility of the Student Health Center to monitor the immunization record of each student to ensure compliance with state law and university requirements.

All students are required to complete and sign the "Medical History Form and Immunization Record." If a student is under the age of 18, a parent or guardian must sign the form as well. The form, along with additional instructions, can be found at https://uncw.edu/healthservices/shc_newstudents.html.

Immunizations that are REQUIRED pursuant to NC state law (current as of January 5, 2025):

*Please read below for further information

· **Diphtheria, tetanus and pertussis vaccine:** Three doses are required for individuals entering college or university. Individuals entering college or university for the first time on or after July 1, 2008 must have had three doses of tetanus/diphtheria toxoid; one of which must be tetanus/diphtheria/pertussis.

· **Polio vaccine:** Three doses are required for individuals entering college or university. An individual attending school that has attained his or her 18th birthday is not required to receive polio vaccine.

· **Measles vaccine:** Two doses at least 28 days apart are required for individuals entering college or university. The requirement for a second dose does not apply to individuals who entered school, college or university for the first time before July 1, 1994. A person who has been diagnosed prior to January 1, 1994 by a physician (or designee, such as a nurse practitioner or physician assistant) as having measles (rubeola), or an individual who has been documented by serological testing to have a protective antibody titer against measles, is not required to receive measles vaccine. Individuals born before 1957 are not required to receive measles vaccine except in measles outbreak situations.

· **Mumps vaccine:** Two doses are required for individuals entering college or university. A physician's diagnosis is not acceptable for mumps disease(s). Individuals must be immunized or have laboratory confirmation of disease, or have been documented by serological testing to have a protective antibody against mumps. Individuals born before 1957 are not required to receive the mumps vaccine. Individuals that entered college or university before July 1, 1994 are not required

to receive the vaccine. Individuals that entered school, college or university before July 1, 2008 are not required to receive the second dose of mumps vaccine.

· **Rubella vaccine:** One dose is required for individuals entering college or university. A physician's diagnosis is not acceptable for rubella disease(s). Individuals must be immunized or have laboratory confirmation of rubella disease, or have been documented by serological testing to have a protective antibody titer against rubella. Any individual who has attained his or her fiftieth birthday is not required to receive rubella vaccine except in outbreak situations. Any individual who entered college or university after his or her thirtieth birthday, and before February 1, 1989, is not required to receive rubella vaccine except in outbreak situations.

· **Hepatitis B Vaccine:** Three doses are required for individuals entering college or university. Hepatitis B vaccine is not required if an individual was born before July 1, 1994.

· **Varicella Vaccine:** One dose is required for individuals entering college or university that were born on or after April 1, 2001. An individual who has laboratory confirmation of varicella disease immunity or has been documented by serological testing to have a protective antibody titer against varicella, or who has documentation from a physician, nurse practitioner, or physician assistant verifying history of varicella disease, is not required to receive varicella vaccine. The documentation shall include the name of the individual with a history of varicella disease, the approximate date or age of infection, and a healthcare provider signature. Individuals born before April 1, 2001 are not required to receive varicella vaccine.

· **Meningococcal conjugate (MenACWY) vaccine:** Two doses. One dose is required for individuals entering the seventh grade or by 12 years of age, whichever comes first, on or after July 1, 2015. A booster dose is required for individuals entering the 12th grade or by 17 years of age, whichever comes first. Individuals who entered seventh grade before July 1, 2015 are not required to receive the first dose. The booster dose does not apply to individuals who entered the 12th grade before August 1, 2020. If the first dose is administered on or after the 16th birthday, a booster dose is not required. Individuals born before January 1, 2003 shall not be required to receive meningococcal conjugate vaccine.

Immunization requirements taken directly from https://www.immunize.nc.gov/schools/collegesuniversities.htm.

International Students and/or non-US Citizens: Vaccines are required as noted above. Additionally, international students are required to have a Tb skin test (PPD, TST or QuantiFERON Gold) that has been administered and read at an appropriate medical facility within 12 months prior to the first day of class. (Chest x-ray required if test is positive.)

Notes:

a. Immunization records must bear either the administering provider's signature, name, address and phone number or the official stamp of the health care facility at which the immunizations were administered. Immunization records printed from a state registry are also an acceptable form of

proof.
b. Laboratory proof of immunity to Measles (Rubeola), Mumps, Rubella (German Measles), or Varicella is acceptable.

Failure to comply with North Carolina immunization requirements will result in administrative withdrawal from the university.
section of this catalogue.

Student Health Insurance

All undergraduate students taking six or more credits will be required to have health insurance to attend UNCW. Those unable to show proof of existing coverage will automatically be enrolled in the university-sponsored insurance plan. Details are available on the Abrons Student Health Center website.
See also:
Health insurance is required for all UNCW students who meet the following three criteria:

- Enrolled in a minimum of 6 credit hours per semester for undergraduates or 1 credit hour for graduate students, and
- Enrolled in a main-campus degree-seeking program, and
- Eligible to pay the UNCW student health fee.

Students who have their own insurance and do not want to purchase the insurance through the school must complete an on-line waiver each term, providing details about their current insurance plan. Any student who does not waive out of the insurance plan will be charged the premium and automatically enrolled in the program.

Health Promotion

Health Promotion, located in the Hundley Health Education Center in the Student Recreation Center, is UNCW's central resource for health education programs and services. The staff and peer educators develop and implement campus-wide programs designed to encourage healthy attitudes, practices, and behaviors as well as to reduce the illegal and high-risk use of alcohol and other drugs and the consequences that the members of this campus community experience as a result. Health Promotion is also the home for the CRC Hawks, UNCW's recovery

community.
Staffed by three prevention professionals, a registered dietitian and a group of peer educators, the office offers programs on nutrition, sexual health, cold/flu prevention, stress management and other health topics. The registered dietitian provides individual counseling and programs for weight management, disease prevention/management, sports nutrition, disordered eating, vegetarian and vegan diets, and other nutrition concerns. All requests for information or consultation are handled confidentially, whether for personal interest, for a friend, or for a class assignment.
There are resources including brochures and handouts on health-related topics, as well as books, magazines, and DVDs available for loan. Resident Assistants, professors, and organizations can request a program through our website. For more information, please call 910-962-4135, or visit us on the web at www.uncw.edu/healthpromo.

Pharmacy

The UNCW Pharmacy is located in DePaolo Hall within the Abrons Student Health Center suite. Students can fill prescriptions written by UNCW providers as well as off-campus providers and may purchase over 100 over-the-counter medications and products. Crutches are also available for purchase. For more information, please call 910-962-3016 or visit us on the web at Student Health Center.

Counseling Center

The staff of the Counseling Center believes that a student's successful progress towards their degree is affected by a number of personal, social and academic factors. We offer a variety of services to support a student's academic and personal success including individual personal counseling, group counseling and personal development workshops. In addition, consultation services and outreach programs (including the In Harmony Initiative, focused on the mind-body connection) are offered for residence halls, classes, student organizations, as well as other campus departments and offices. An important role of the Counseling Center is working with students to develop the necessary skills and awareness to successfully meet their college life demands.

The Counseling Center is staffed by licensed counseling professionals including counselors, social workers and psychologists, as well as post-doctoral Psychology Fellows and occasionally other advanced trainees who have specific interests and skills in working within a university setting. Some common student concerns addressed at the Counseling Center include depression, anxiety, homesickness, relationships, coming out, cultural adjustment, family issues and grief. Assistance is also available for students with concerns related to sexual assault, substance abuse and body image. The transition to college can be particularly trying for students managing previously diagnosed conditions or on-going psychological concerns. The Counseling Center can assist students and families with identifying local providers who can keep support structures intact and provide longer term services.
Enrolled students are eligible for counseling services, which are confidential and accessible. Initial consultations and counseling appointments are available weekdays. After-hours and on weekends, phone consultation with an on-call counselor is available for students experiencing a psychological crisis by calling the Counseling Center at (910) 962-3746 and choosing the option that allows the caller to speak with a counselor.
When seeking services, students engage in an initial consultation with a counselor who will assess the student's needs and determine the services that will best meet those needs. If a student's needs require attention that is beyond the Counseling Center's scope of practice, the counselor will work to connect the student with appropriate off-campus services. Students are encouraged to come and talk with a counselor about any concerns that are hindering their academic or personal success.
For additional information about the services and programs offered by the Counseling Center, please call (910) 962-3746, come by our offices on the second floor of DePaolo Hall, or visit our Web site: www.uncw.edu/counseling. Also, check our social media platforms, including UNCW Counseling Center - Youtube and Pinterest page for additional resources.

Student Organizations

There are approximately 280 student organizations registered with Student Involvement and Leadership at UNCW. These organizations include: political, professional, academic, multicultural, religious, service, honorary, governing,

graduate, special interest groups, student media, Greek-letter, sports clubs, and ethnic and religious organizations. These organizations help develop the UNCW community through the activities and affiliations they create. Many of the clubs are showcased during the fall Involvement Carnival held in late August/early September. You can find out information about these organizations in the Campus Activities and Involvement Center in the Fisher Student Center, Room 2029 or on WaveLink, UNCW's student organization and departmental management platform that offers a variety of opportunities to highlight events, showcase resources, and collaborate with others.

Fraternity and Sorority Life

Fraternities and Sororities are social organizations that can help personalize the college experience. Greek Life offers a smooth transition to college, life-long friendships, leadership opportunities, scholastic support, and philanthropic and community engagement opportunities. Each type of organization recruits its members differently and at different times - contact us to learn more! Students interested in fraternity and sorority opportunities can find out about upcoming events on WaveLink at https://uncw.campuslabs.com/engage/organization/ofsl.

International Student Organization

The International Student Organization is a support group, a social network, and a promoter of international programs. The group consists of American students who have traveled and studied abroad and international students who are enrolled at the university. The organization hopes to foster an international presence on the campus and to help international students become familiar with American culture, the local area, and university life.

Leadership Development

At UNCW we believe every student is capable of practicing leadership because it is not about a position or title;, it's about the desire and drive to create *positive change*. Student Involvement and Leadership in the department of Campus Life offers workshops, retreats, and personalized coaching that equips students with the

skills and tools needed to successfully practice leadership on campus, in the community, and in their careers. Students interested in leadership development opportunities can find out about upcoming events on WaveLink at https://uncw.campuslabs.com/engage/organization/caic/events

Student Community Engagement

Community engagement is much more than a service hour requirement - we make it a priority to connect students with the community in ways that make a positive impact for both the organizations and the volunteers. This can be through volunteer work (on campus, in Wilmington and in other cities like Atlanta, New Orleans, or Asheville), philanthropy projects (like donating a Thanksgiving meal or holiday gifts), or by donating blood (we host monthly drives with the American Red Cross). Students interested in community engagement opportunities can find out about upcoming events on GivePulse: https://uncw.givepulse.com/group/1027-University-of-North-Carolina-Wilmington

Student Government Association: Representing the Voice and Vision of UNCW Students

The Student Government Association (SGA) is a democratic organization, permitting expression of student opinion, working for the best interest of the university and upholding a high standard of morals and conduct. SGA embodies UNCW's shared governance commitment through partnerships with the UNCW administration, Faculty Senate and Staff Senate. Student activity fee money supports the Student Government Association in its objectives and activities. Officers, class representatives, and at-large representatives are elected by the student body. Executive Committees are comprised of Appropriations, Diversity and Inclusion, Marketing, Communications, and Health & Wellness; Senate committees are comprised of Student Services, Campus Services, Academic Affairs, Internal Affairs, and External Affairs. The Student Government Association is also a member of the North Carolina Association of Student Governments. Contact the SGA Office or visit them on the second floor of the Fisher Center to learn more!
See also:

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Student Awards

Some of the organizations listed below are registered with the university through the Campus Activities & Involvement Center as student organizations. For more information about those honor societies, please visit https://uncw.campuslabs.com/engage/organizations

A. Farrell Teague Merit Scholarship for Rising Seniors (Junior)

The Teague Scholarship was created by Arthur Farrell Teague and is used to assist rising seniors who have achieved a high level of academic and extracurricular success during their time at UNCW. Every year a recipient is chosen as the recipient of "The Teague Award." The scholarship is considered a merit scholarship and the recipient will be selected on demonstrated academic ability and special achievement, and must have a comprehensive GPA above 3.5. The scholarship is presented annually at the Division of Student Affairs Cornerstone Awards Banquet.

Adrian D. Hurst Award

Established by Adrian D. Hurst, emeritus professor of mathematics, this award recognizes a UNCW junior or senior math major who has achieved the highest overall academic grade point average. The award is presented each spring in the form of a plaque.

Biological Sciences Achievement Award

This award was established by the faculty of the Department of Biology and Marine Biology to honor annually the graduating senior biology major who has achieved the highest academic standing. The recipient is identified on a permanent plaque in Friday Hall.

Distinguished Engagement Award (Junior or Senior)

The Distinguished Engagement Award is presented to a select group of junior, senior, and transfer students who have made a significant contribution to UNCW over the course of their

undergraduate experience. Recipients must be in good standing with the university and possess a minimum cumulative GPA of 2.75. The award is presented annually at the Division of Student Affairs Cornerstone Awards Banquet.

Excellence in Engagement Award (Sophomore or Junior)

The Excellence in Engagement Award is presented to a select group sophomore, junior, and transfer students for outstanding contributions to improving the quality of student life during their time at UNCW. Recipients must currently be in good standing with the university and possess a minimum cumulative GPA of 2.75. The award is presented annually at the Division of Student Affairs Cornerstone Awards Banquet.

Hoggard Medal For Achievement

"The Hoggard Medal" presented through the generosity of the late Dr. John T. Hoggard, is awarded annually to one graduating senior who, in the opinion of the faculty, has shown the most improvement during their years at the university. The award is presented annually at the Division of Student Affairs Senior Excellence Luncheon.

Margaret Walthour Lippitt Scholarship

The New Student Leader Award is designed to honor a first-year student with a 3.00 GPA or higher who has demonstrated leadership potential, service to UNCW and the community, personal integrity, and significant involvement in campus organizations. The scholarship is presented annually at the Division of Student Affairs Cornerstone Awards Banquet.

Martha M. Duncan Scholarship (Sophomore or Junior)

The Martha M. Duncan Scholarship is presented to one sophomore or junior student. The recipient must be in good standing with the university and possess a minimum cumulative GPA of 3.00. The recipient serves as a "LEAD Fellow" for Student Involvement and Leadership in the department of Campus Life for their scholarship year. The scholarship is presented annually at the Division of Student Affairs Cornerstone Awards Banquet.

Rachel Freeman Service Leadership Award

The Freeman Award, established in honor of the late Mae "Rachel" Freeman, is given to a senior with a cumulative GPA of 2.67 who has demonstrated commitment to bettering the lives of others, leading through examples of service, and the ability to work with others to create social change. The award is presented annually at the Division of Student Affairs Senior Excellence Luncheon.

Pat Leonard Senior Medallion Award (Seniors Graduating in May or December)

The Pat Leonard Senior Medallion Award is the most prestigious award presented by the Division of Student Affairs on behalf of the university community. The award was renamed in 2021 to honor Pat Leonard, the late Vice Chancellor for Student Affairs, and her 37 years of exemplary service to UNCW. Recipients must be in good standing with the university and possess a minimum cumulative GPA of 3.0. The award is presented annually at the Division of Student Affairs Senior Excellence Luncheon.

The Carolyn Elizabeth (Lizzy) Duffy Student Sustainability Award

The Duffy Student Sustainability Award is presented to one student who has been at UNCW at least one semester during the academic year. The recipient must be in good standing with the university and have a minimum 3.0 GPA. The Carolyn Elizabeth (Lizzy) Duffy Student Sustainability Award was created in March of 2015 to honor the efforts of Lizzy, particularly for spearheading the proposal for The Green Initiative Fund, which brought support, resources and visibility to sustainability at UNCW. The scholarship is presented annually at the Division of Student Affairs Cornerstone Awards Banquet.

The Walter Schmid Physics Award

This award has been established in honor of the late Walter Schmid, engineer and inventor, to reward a senior bachelor of science physics major for excellence in physics. The award consists of an engraved plaque and a physics encyclopedia.

UNCW Laureate Award (Sophomore or Junior)

The UNCW Laureate Award, inspired by the Nobel Peace Prize, is presented to one sophomore or junior student. The recipient must be in good standing with the university and possess a minimum cumulative GPA of 3.00. The scholarship is presented annually at the Division of Student Affairs Cornerstone Awards Banquet.

William A. Bryan Senior Leader Award

Student Involvement and Leadership in the department of Campus Life, with the support of the Alumni Association, sponsors the William A. Bryan Senior Leader Award. The award is given to a senior with a cumulative GPA of 3.00 who has demonstrated outstanding leadership on campus and/or in the community. Special emphasis is placed on integrity, creativity, ability to collaborate, and service to others. The award is presented annually at the Division of Student Affairs Senior Excellence Luncheon.

Honor Societies at UNCW

Beta Alpha Psi

Beta Alpha Psi is a national scholastic and professional accounting fraternity. The primary objective of the fraternity is to encourage and give recognition to scholastic and professional excellence in the field of accounting. This includes promoting the study and practice of accounting; providing opportunities for self-development and association among members and practicing accountants; and encouraging a sense of ethical, social, and public responsibility. Beta Alpha Psi was founded in 1919. The Iota Alpha chapter at UNCW was chartered in 1996 and is a registered student organization through the Campus Activities and Involvement Center.

Beta Beta Beta National Biological Honor Society

Beta Beta Beta (TriBeta) is a society for students, particularly undergraduates, dedicated to improving the understanding and appreciation of biological study and extending boundaries of human knowledge through scientific research. Since its founding in 1922, more than 175,000 persons have been accepted into lifetime membership, and more than 430 chapters have been established throughout the United States and Puerto Rico. TriBeta is a registered student organization through the Campus Activities and Involvement Center.

Gamma Sigma Epsilon

Gamma Sigma Epsilon, a national honorary chemical society, was founded at Davidson College on December 19, 1919. The society recognizes academic excellence in chemistry and fosters a more comprehensive and cooperative study of chemistry and related scientific disciplines. The organization now has 35 active chapters in 22 states, and is growing rapidly. The Alpha Epsilon chapter was established at UNCW in 2001. Eligibility for membership includes junior or senior standing, a 3.35 GPA on at least 30 hours of chemistry courses, and a 3.35 GPA.

Kappa Delta Pi International Honor Society in Education

Kappa Delta Pi International Honor Society in Education is committed to recognizing excellence and fostering mutual cooperation, support, and professional growth for educational professionals.

Lambda Pi Eta Honor Society

Lambda Pi Eta is the official communication studies honor society of the National Communication Association (NCA). As a member of the Association of College Honor Societies (ACHS), LPH has over 400 active chapters at four-year colleges and universities worldwide. LPH was founded in 1985 at the University of Arkansas. LPH became a part of the National Communication Association (NCA) in 1988, and the official honor society of the NCA in July 1995. LPH is a registered student organization through the Campus Activities and Involvement Center.

Omicron Delta Epsilon Economics Honor Society

Omicron Delta Epsilon was founded by Professor John R. Commons at the University of Wisconsin in 1915. Its objectives include conferring distinction for high scholastic achievement in economics and stimulating and promoting student interest in all aspects of economics. ODE is a registered student organization through the Campus Activities and Involvement Center.

Omicron Delta Kappa Society, Inc.

Omicron Delta Kappa (ODK) is the National Leadership Honor Society that recognizes and encourages superior scholarship, leadership, and exemplary character. Membership in ODK is a mark of the highest distinction and honor.

The society recognizes achievements in scholarship; athletics; campus or community service; social, religious activities, and campus government; journalism, speech and mass media; and the creative and performing arts. Emphasis is placed on the development of the whole person, both

as a member of the college community and as a contributor to a better society. ODK is a registered student organization through the Campus Activities and Involvement Center.

Order of Omega

Order of Omega is a leadership honor society for members of Greek-letter organizations. Order of Omega recognizes juniors and seniors who have exemplified high standards in the areas of scholarship, leadership, involvement within their respective organization, and within the Greek, campus, and local communities. Members are selected from the top 3 percent of fraternity and sorority members at each institution. To date, over 500 chapters have been chartered throughout North America, each sharing the common goal of recognizing the many outstanding student leaders at their institution.

Phi Alpha National Honor Society in Social Work

Phi Alpha is a nationally recognized honor society for both undergraduate and graduate students majoring in social work. Founded in 1960, Phi Alpha now includes over 225 chapters. The Eta Omega Chapter of Phi Alpha was established at UNCW in 1998. The society recognizes students for excellence in scholarship and achievement in the field of social work. Eligibility for membership requires students to major in a CSEW-accredited social work program, have completed 9 semester hours of social work courses, achieved a minimum social work GPA of 3.25, and a minimum overall GPA of 3.00. Phi Alpha is registered as a student organization through the Campus Activities and Involvement Center.

Psi Chi National Honor Society in Psychology

Psi Chi is the national honor society in psychology. It was founded in 1929 in New Haven, Connecticut, to encourage, stimulate and maintain excellence in scholarship, and to advance the science of psychology. Psi Chi is an affiliate of the American Psychological Association and a member of the Association of College Honor Societies. The University of North Carolina Wilmington Chapter of Psi Chi was chartered on May 1, 1981, and is one of approximately 675 chapters nationwide. Psi Chi is registered as a student organization through the Campus Activities and Involvement Center.

A further list of academic honor societies with verified chapters at UNCW may be found at https://www.uncw.edu/aa/Academic_Honor_Societies.html

Chancellor's List and Dean's List

Each semester, outstanding scholarship is recognized in the following tiered manner:

Chancellor's List

The Chancellor's List is composed of the names of all full-time undergraduates who earn a 4.0 semester GPA on all work taken. Eligibility for this designation will be determined once all grades for the semester have been posted and any incomplete or IP grades have been converted.

Dean's List

The Dean's List is composed of the names of all full-time undergraduates who earn at least a 3.5 semester GPA on all work taken with no grades "B-" or below. Eligibility for this designation will be determined once all grades for the semester have been posted and any incomplete or IP grades have been converted.

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Transition Programs

https://uncw.edu/seahawk-life/support-success/transition-programs/
The Transition Programs Office is responsible for providing comprehensive programs that will assist undergraduate students and their families in their transition to the university. These programs expose new and transfer students to the educational opportunities within UNCW, introduce them to the academic and co-curricular life of the institution, and assist them in their on-going transition to the university beyond orientation. Transition Programs also assists parents and family members in supporting their student's success through frequent communication and engagement opportunities. In addition, Transition Programs is responsible for the coordination and implementation of Commencement.

University Admission Requirements

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For First-Year Students for Summer Session II and Fall

For Transfer Applicants for Summer and Fall

Application priority deadline is March 1

After March 1, the university may accept transfer applications on a space available basis and reserves the right to return an application and fee without processing the application.

Application status and admission notification is viewable in the application portal.

A non-refundable $100 enrollment deposit is required on or before May 1 or by the date specified in the applicant status portal, whichever is latest, from all admitted students intending to

enroll at UNCW.

The university reserves the right to withdraw admission, registration, housing assignments, or orientation registration for any admitted student who does not pay the $100 enrollment deposit by the designated deadline.

For Transfer Applicants for Spring (January) Semester

Application deadline is October 15.

Application status and admission notification is viewable in the application portal.

A non-refundable $100 enrollment deposit is required on or before December 1 or by the date specified in the applicant status portal, whichever is latest, from all admitted students intending to enroll at UNCW.

For Transfer Online Accelerated Program (OAP) Applicants

The OAP application has multiple application deadlines, the dates can be found by visiting the program websites.

Application status and admission notification is viewable in the application portal.

For Former (Re-Enrolling) Students

Students applying to re-enroll should direct all inquiries to the Office of Admissions.

After the Office of Admissions receives all required documentation for re-enrolling, applications are processed within one to two weeks.

The Fall application deadline is July 15.

The Spring application deadline is November 15.

The Summer application deadline is June 15.

Applicants seeking re-enrollment at UNCW will be charged a non-refundable $80 application fee.

UNCW graduates will have their application fee waived automatically after applying.

For Permission Students (Special Undergraduate and Permission Visiting) for Fall and Spring

1. The Fall application deadline is July 15.
2. Spring application deadline is November 15.
3. New students must register and remain enrolled in the term for which they were admitted. Students who decide to begin enrollment in a term later than their admission term must contact the Office of Admissions to submit a new application for the later term.

For Summer Visiting Students

1. The Summer application deadline is June 15.
2. The summer term includes two sessions. Any applicant admitted for summer is eligible to take classes in the first session, second session or both sessions. Summer admission is limited to summer enrollment exclusively.
3. Students who decide to enroll in a term later than their admission term must contact the Office of Admissions to submit a new application for the later term.

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Admission to the university is competitive. Applicants may apply to enter the university at the beginning of the fall semester and at the second session of the summer term. The university encourages rigorous coursework during high school and awards credit based on scores earned on Advanced Placement (AP), and International Baccalaureate (IB) exams, and/or grades on college level courses taken during high school. Students should consult their high school counselor for further information. The university honors Common Application, NACAC, College Board and ACT Application Fee Waiver forms if properly signed.
Additionally, listed below are the high school minimum course requirements, as

established by the Board of Governors of the University of North Carolina system, for consideration for admission to the University of North Carolina Wilmington. Meeting the high school minimum course requirements does not infer or guarantee admission to UNCW.

Four (4) course units in English

- emphasizing grammar, composition, and literature
- algebra I and II, geometry, and one (1) unit beyond algebra II,
- algebra I and II, and two (2) units beyond algebra II, or
- Common core math I, II, and III, and one unit beyond common core math III; or
- integrated math I, II, and III, and one (1) unit beyond integrated math III
- NC Math 1, 2, 3, and one unit beyond NC Math 3 identified as meeting the 4th level mathematics requirement for admission to UNC System institutions.
- one (1) unit in a life science (for example, biology, ecology, zoology)
- one (1) non-life science unit (for example, astronomy, chemistry, earth science, environmental science, physical science, physics)
- one (1) laboratory science unit
- one unit must be U.S. history
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Note: these courses should be seleccted in alignment with a student's academic and career objectives. Completion of two sequential world language courses is recommended.

- The difficulty of the coursework taken (advanced, college prep, honors, advanced placement, International Baccalaureate, dual enrolled, etc.)
- Grades, grade point average, and/or class rank
- Standardized test scores–SAT and/or ACT (optional for applicants with a weighted GPA of 2.80 or higher)
- Recommendation from school counselor or core academic teacher (optional)
- Extracurricular activities, community activities, talents, interests, work experience and/or life experience

- The required essay and short answer.

1. Submit a completed application by one of the two deadline dates (November 1, early action or February 1, regular decision).
2. Submit a non-refundable $80 application fee or official application for waiver with the application.
3. Submit an official transcript directly from all the high schools attended to the Office of Undergraduate Admissions, University of North Carolina Wilmington, 601 S. College Road, Wilmington, North Carolina 28403-5904. We cannot accept transcripts directly from the student.
4. Complete the required essay and short answer, and submit with the application.
5. Request that an optional recommendation from a school counselor or core academic teacher be submitted directly to the Office of Admissions at UNCW.
6. Submit the optional SAT or the ACT. If not reported on the high school transcript, SAT and ACT scores must be submitted directly from either The College Board or ACT (UNCW College Codes are: SAT #5907, ACT #3174).

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Transfer applicants may apply to enter the university at the beginning of the fall term, summer term or spring term.

Students seeking transfer admission to the University of North Carolina Wilmington must have graduated from an accredited high school, earned a General Equivalency Diploma (GED), or obtained an Adult High School Diploma. Additionally, they must have completed college coursework at another institution after finishing secondary education.

Applicants under the age of 21 who have not completed 24 hours of transferable college coursework must meet North Carolina high school minimum course requirements. Additional recommendations for transfer admission are provided on the website.

UNCW does not admit by major or program. Admission requirements for particular programs of study at UNCW may differ from minimum admission standards. Transfer applicants should refer to the requirements listed for specific programs/majors within the specific college/school.

Application Procedure for Transfer Students

Students seeking transfer admission are required to comply with the following procedures:

1. Submit a complete application by the appropriate application deadline date.
2. Submit a non-refundable application fee with the application.
3. Submit an official transcript from each college or university attended, including dual enrollment credit. It is the applicant's responsibility to request that official transcripts are submitted by each institution attended to the Office of Admissions by the application deadline date.
4. Submit official military transcripts (if applicable) to the UNCW Office of Admissions.
5. Have an official high school transcript or GED sent to the Office of Admissions by the application deadline date.

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- [[permalink=4132|new:{'title':1}]][[/permalink]]
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See [[permalink=4470|new:{'title':1}]][[/permalink]]

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Auditing allows a student to enroll and attend a class without receiving academic credit. Audited curses do not count towards full-time status, loan deferment, or financial aid eligibility. Audit students pay regular tuition and fees for audited classes. Current UNCW students, faculty, and staff who wish to audit a class should complete the online Application for Audit/Graded Audit Courses through the Office of the
Registrar: https://uncw.edu/myuncw/academics/registrar/students/registration/graded-audit-course.
Applicants who are not current UNCW students, faculty, or staff can apply online through the UNCW Application for Audit and Senior Citizen Audit Students.
The Spring application will open on November 1 and close on the first day of classes. The Summer and Fall application will open on April 1 and close on the first day of classes. In addition to the application, applicants must submit the non-refundable application fee. If admitted, students will need to request an audit through the Office of the Registrar.
For more information, visit https://uncw.edu/admissions/undergraduate/non-degree/auditing.

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Applicants to UNCW's graduate programs should direct all inquiries concerning admission to the Graduate School. Please refer to the Graduate School website for admission requirements.

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The University of North Carolina Wilmington welcomes interest and inquiry from international students, defined as those who are not U.S. citizens or who are not U.S. permanent residents. In addition to meeting academic requirements, international applicants for first-year and transfer admission must submit scores (TOEFL, IELTS, DET, iTEP or PTE) to demonstrate English proficiency if English is not their native language, or if they do not meet other established criteria for waiving submission of test scores, as detailed on the Web site: https://www.uncw.edu/admissions/INTLEnglish.html. International students requesting UNCW's F-1 visa sponsorship must also provide documentation proving that the financial obligations associated with their study at the university can be fully met. For details on international admission requirements and a list of all required documents, please refer to the Web site: www.uncw.edu/intladmissions. UNCW admits international students for every semester. Certain academic programs require a separate, additional application in order to be admitted to those programs; for example, the Cameron School of Business and the School of Nursing.
The Office of International Programs will advise international exchange students. Visit Web site https://www.uncw.edu/intprogs/.

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Students from other colleges or universities who intend to return to their home institution may attend UNCW as visiting students. The university does not assume responsibility for determining a student's course selection when such credits are to be transferred elsewhere. Transcripts of work completed at UNCW must be requested through the Office of the Registrar to assure a record of academic work is sent to the home institution of the visiting student. Enrollment as a visiting student from another institution in no way obligates the university to continue a student's enrollment at UNCW at the expiration of the visiting period. All application deadline dates apply to visiting students.
Students should apply as a visiting student using the non-degree seeking undergraduate application, submit the non-refundable application fee, and an official transcript from their current or most recently attended college or university. Visiting students must be in good academic standing at their current or most recently attended institution and have attained at least a 2.50 cumulative GPA with 24 transferable credit hours complete at the time of application to be considered for admission. A student may only attend as a visiting student for two consecutive semesters (not including summer session).

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Degree Programs in the following schools;

- [[permalink=1034|dynamic:{'title':1,'description':1}]][[/permalink]]
- [[permalink=782|dynamic:{'title':1,'description':1}]][[/permalink]]
- [[permalink=4143|dynamic:{'title':1,'description':1}]][[/permalink]]
- [[permalink=4145|same:{'title':1}]][[/permalink]]
- [[permalink=745|same:{'title':1}]][[/permalink]]
- [[permalink=4144|same:{'title':1}]][[/permalink]]
- [[permalink=2005|same:{'title':1}]][[/permalink]]
- [[permalink=811|same:{'title':1}]][[/permalink]]
- [[permalink=2176|same:{'title':1}]][[/permalink]]
- [[permalink=1701|same:{'title':1}]][[/permalink]]
- [[permalink=1705|same:{'title':1}]][[/permalink]]
- [[permalink=1029|same:{'title':1}]][[/permalink]]

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North Carolina General Assembly Session Law 2017-57, Senate Bill 257, Section 10.12.(a) authorized the Board of Governors to promulgate rules permitting residents of North Carolina who have attained the age of 65 and who meet applicable admissions standards to audit courses, tuition-free, on a space available basis.

Auditing allows a student to enroll and attend a class without receiving academic credit. Audited courses do not count toward full-time status, loan deferment, or financial aid eligibility. Audit students pay regular tuition and fees for audited classes.

Senior citizens 65 and older who are not currently enrolled at UNCW and wish to audit a class will need to apply online through the UNCW Application for Audit and Senior Citizen Audit Students.

The Spring application will open on November 1 and close on the first day of classes. The Summer and Fall application will open on April 1 and close on the first day of classes. In addition to the application, applicants must submit the non-refundable application fee. If admitted, students will need to request an audit through the Office of the Registrar. For more information, visit https://uncw.edu/admissions/undergraduate/non-degree/auditing.

Senior citizens who wish to take courses **for credit** must apply through the Admissions Office. Tuition and fees will apply.

Senior citizens registering for more than (4) credit hours will need to comply with

the immunization requirements under North Carolina state law. Please contact Student Health Services at (910) 962-3280 for more information.

- High school students who wish to pursue academic courses on the collegiate level while attending high school may enroll at UNCW if they meet the qualifications for participation in this program. This program is available to students whose primary residence is New Hanover, Pender and Brunswick County. Eligible students must have (1) completed two calendar years as a student at a high school or homeschool and (2) earned enough credits to be designated a junior or senior year in high school. Exceptions are not made to the program requirements. Not all UNCW courses will be available to dual-enrolled high school students, depending upon the requirements of or restriction for the course. For instance, courses that have a component that includes international or overnight travel are not available. Applications for dual-enrollment are available online at https://uncw.edu/admissions/undergraduate/non-degree/dual-enrollment. Students may enter this program for the fall, spring, or summer terms and may only register for two undergraduate courses per term. Students are responsible for all tuition and fees associated with the registered course(s). Applications and course selections for fall and summer terms should be received in the UNCW Office of Admissions by April 1. Applications and course selections for spring term should be received in the UNCW Office of Admissions by November 1. Students are required to submit a new application for every semester they wish to take classes at UNCW. Late applications will not be considered. https://uncw.edu/admissions/undergraduate/non-degree/dual-enrollment.

- A student who has graduated from a four-year accredited college or university and wishes to take undergraduate classes without pursuing a second degree can apply to UNCW as a special undergraduate student. This application option is also available for students who need to take classes toward completion of teacher certification or licensure requirements. Please note that any student who wishes to earn a second Undergraduate degree must apply as a transfer student. Special Undergraduate students must have graduated with a Bachelor's degree from a four-year regionally accredited institution in good academic standing.

Students must submit the application through the UNCW Application Portal and submit the non-refundable application fee, as well as an official transcript from their degree awarding institution. Applicants must submit their application and all required materials by the posted deadline for their desired entry term.

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North Carolina General Statute 130A-155.1 establishes specific immunization requirements for all students enrolled in North Carolina colleges or universities. It is the responsibility of the Student Health Center to monitor the immunization record of each student to ensure compliance with state law and university requirements. All students are required to complete and sign the "Medical History Form and Immunization Record." If a student is under the age of 18, a parent or guardian must sign the form as well. The form, along with additional instructions, can be found at https://uncw.edu/healthservices/shc_newstudents.html.

Immunizations that are REQUIRED pursuant to NC state law (current as of January 5, 2025):

*Please read below for further information

· **Diphtheria, tetanus and pertussis vaccine:** Three doses are required for individuals entering college or university. Individuals entering college or university for the first time on or after July 1, 2008 must have had three doses of tetanus/diphtheria toxoid; one of which must be tetanus/diphtheria/pertussis.

· **Polio vaccine:** Three doses are required for individuals entering college or university. An individual attending school that has attained his or her 18th birthday is not required to receive polio vaccine.

· **Measles vaccine:** Two doses at least 28 days apart are required for individuals entering college or university. The requirement for a second dose does not apply to individuals who entered school, college or university for the first time before July 1, 1994. A person who has been diagnosed prior to January 1, 1994 by a physician (or designee, such as a nurse practitioner or physician assistant) as having measles (rubeola), or an individual who has been documented by serological testing to have a protective antibody titer against measles, is not required to receive measles vaccine. Individuals born before 1957 are not required to receive measles vaccine except in measles outbreak situations.

· **Mumps vaccine:** Two doses are required for individuals entering college or university. A

physician's diagnosis is not acceptable for mumps disease(s). Individuals must be immunized or have laboratory confirmation of disease, or have been documented by serological testing to have a protective antibody against mumps. Individuals born before 1957 are not required to receive the mumps vaccine. Individuals that entered college or university before July 1, 1994 are not required to receive the vaccine. Individuals that entered school, college or university before July 1, 2008 are not required to receive the second dose of mumps vaccine.

· **Rubella vaccine:** One dose is required for individuals entering college or university. A physician's diagnosis is not acceptable for rubella disease(s). Individuals must be immunized or have laboratory confirmation of rubella disease, or have been documented by serological testing to have a protective antibody titer against rubella. Any individual who has attained his or her fiftieth birthday is not required to receive rubella vaccine except in outbreak situations. Any individual who entered college or university after his or her thirtieth birthday, and before February 1, 1989, is not required to receive rubella vaccine except in outbreak situations.

· **Hepatitis B Vaccine:** Three doses are required for individuals entering college or university. Hepatitis B vaccine is not required if an individual was born before July 1, 1994.

· **Varicella Vaccine:** One dose is required for individuals entering college or university that were born on or after April 1, 2001. An individual who has laboratory confirmation of varicella disease immunity or has been documented by serological testing to have a protective antibody titer against varicella, or who has documentation from a physician, nurse practitioner, or physician assistant verifying history of varicella disease, is not required to receive varicella vaccine. The documentation shall include the name of the individual with a history of varicella disease, the approximate date or age of infection, and a healthcare provider signature. Individuals born before April 1, 2001 are not required to receive varicella vaccine.

· **Meningococcal conjugate (MenACWY) vaccine:** Two doses. One dose is required for individuals entering the seventh grade or by 12 years of age, whichever comes first, on or after July 1, 2015. A booster dose is required for individuals entering the 12th grade or by 17 years of age, whichever comes first. Individuals who entered seventh grade before July 1, 2015 are not required to receive the first dose. The booster dose does not apply to individuals who entered the 12th grade before August 1, 2020. If the first dose is administered on or after the 16th birthday, a booster dose is not required. Individuals born before January 1, 2003 shall not be required to receive meningococcal conjugate vaccine.

Immunization requirements taken directly from https://www.immunize.nc.gov/schools/collegesuniversities.htm.

International Students and/or non-US Citizens: Vaccines are required as noted above. Additionally, international students are required to have a Tb skin test (PPD, TST or QuantiFERON Gold) that has been administered and read at an appropriate medical facility within 12 months prior to the first day of class. (Chest x-ray required if test is positive.)

Notes:

a. Immunization records must bear either the administering provider's signature, name, address and phone number or the official stamp of the health care facility at which the immunizations were administered. Immunization records printed from a state registry are also an acceptable form of proof.

b. Laboratory proof of immunity to Measles (Rubeola), Mumps, Rubella (German Measles), or Varicella is acceptable.

Failure to comply with North Carolina immunization requirements will result in administrative withdrawal from the university.

- Online Accelerated Programs are completely online degree programs, offered within a shortened seven-week session, consisting of six separate sessions per year. These programs have different application deadlines than traditional Undergraduate programs. Those dates, and other important admission information, can be found by visiting the program websites.

- All new undergraduate students are required to attend an orientation program prior to the beginning of their first term. The purpose of orientation is to acquaint new students with academic requirements, campus resources, and engagement opportunities.

  During main campus orientation, first-year and transfer students will work with an academic advisor, take placement tests as needed, meet their peers, learn about campus resources and register for courses. Registration for orientation is required in advance. More information about orientation can be found at https://www.uncw.edu/orientation.

  All new undergraduate students enrolling in online degree programs will be required to complete an online orientation which will include modules about academics, campus and technology resources, and an overview of e-learning. Academic advising will be provided virtually. Program specific orientations may also be required. For more information, please refer to Distance Education & eLearning webpage, https://uncw.edu/myuncw/academics/deel/online-education/online-orientation

  Re-enrolling students admitted to any degree program are not required to participate in orientation, as they previously completed the orientation requirement (either in person or online) at the time of their initial enrollment.

- UNCW's safety program complies with the State Occupational Safety and Health Act of 1973.
- Applicants who are denied regular admission to the university may be considered for enrollment as unclassified students under special circumstances. No student who has graduated from high school less than two years prior to application may be considered for unclassified status. Unclassified status does not constitute admission to any degree program at the university.
An unclassified student may enroll in up to 18 credit hours of courses in a semester, but may attempt no more than a cumulative total of 30 credit hours while unclassified. If the student does not qualify for degree status after 30 credit hours have been attempted, the student's enrollment will end and the student may not reapply for admission. Unclassified students are subject to all applicable academic regulations of the university. Unclassified students are not eligible for federally funded financial aid programs. See also Conversion from Unclassified Status in the University Regulations section of this catalogue.

Application Deadline and Notification Dates

For First-Year Students for Summer Session II and Fall

	Application Deadline	Decision Notification Mailing Dates
	November 1	January 20
	February 1	March 15

1. The university reserves the right to refuse to review applications for first-year admission that are not submitted by February 1.
    1. A non-refundable $100 enrollment deposit is required on or before May 1 from all admitted students intending to enroll at UNCW.
    2. The university reserves the right to cancel admission, registration, housing assignments, or orientation registration for any admitted student who does not pay the enrollment deposit by May 1.

For Transfer Applicants for Summer and Fall

1. Application priority deadline is March 1
2. After March 1, the university may accept transfer applications on a space available basis and reserves the right to return an application and fee without processing the application.
3. Application status and admission notification is viewable in the application portal.
4. A non-refundable $100 enrollment deposit is required on or before May 1 or by the date specified in the applicant status portal, whichever is latest, from all admitted students intending to enroll at UNCW.
5. The university reserves the right to withdraw admission, registration, housing assignments, or orientation registration for any admitted student who does not pay the $100 enrollment deposit by the designated deadline.

For Transfer Applicants for Spring (January) Semester

1. Application deadline is October 15.
2. Application status and admission notification is viewable in the application portal.
3. A non-refundable $100 enrollment deposit is required on or before December 1 or by the date specified in the applicant status portal, whichever is latest, from all admitted students intending to enroll at UNCW.

For Transfer Online Accelerated Program (OAP) Applicants

1. The OAP application has multiple application deadlines, the dates can be found by visiting the program websites.
2. Application status and admission notification is viewable in the application portal.

For Former (Re-Enrolling) Students

1. Students applying to re-enroll should direct all inquiries to the Office of Admissions.
2. After the Office of Admissions receives all required documentation for re-enrolling, applications are processed within one to two weeks.
3. The Fall application deadline is July 15.
4. The Spring application deadline is November 15.
5. The Summer application deadline is June 15.
6. Applicants seeking re-enrollment at UNCW will be charged a non-refundable $80 application fee.
7. UNCW graduates will have their application fee waived automatically after applying.

For Permission Students (Special Undergraduate and Permission Visiting) for Fall and Spring

1. The Fall application deadline is July 15.
2. Spring application deadline is November 15.
3. New students must register and remain enrolled in the term for which they were admitted. Students who decide to begin enrollment in a term later than their admission term must contact the Office of Admissions to submit a new application for the later term.

For Summer Visiting Students

1. The Summer application deadline is June 15.
2. The summer term includes two sessions. Any applicant admitted for summer is eligible to take classes in the first session, second session or both sessions. Summer admission is limited to summer enrollment exclusively.
3. Students who decide to enroll in a term later than their admission term must contact the Office of Admissions to submit a new application for the later term.

Admission – Audit Students

Auditing allows a student to enroll and attend a class without receiving academic credit. Audited curses do not count towards full-time status, loan deferment, or financial aid eligibility. Audit students pay regular tuition and fees for audited classes. Current UNCW students, faculty, and staff who wish to audit a class should

complete the online Application for Audit/Graded Audit Courses through the Office of the
Registrar: https://uncw.edu/myuncw/academics/registrar/students/registration/graded-audit-course.
Applicants who are not current UNCW students, faculty, or staff can apply online through the UNCW Application for Audit and Senior Citizen Audit Students.
The Spring application will open on November 1 and close on the first day of classes. The Summer and Fall application will open on April 1 and close on the first day of classes. In addition to the application, applicants must submit the non-refundable application fee. If admitted, students will need to request an audit through the Office of the Registrar.
For more information, visit https://uncw.edu/admissions/undergraduate/non-degree/auditing.

Admission – Dual–Enrolled High School Students

High school students who wish to pursue academic courses on the collegiate level while attending high school may enroll at UNCW if they meet the qualifications for participation in this program. This program is available to students whose primary residence is New Hanover, Pender and Brunswick County. Eligible students must have (1) completed two calendar years as a student at a high school or homeschool and (2) earned enough credits to be designated a junior or senior year in high school. Exceptions are not made to the program requirements. Not all UNCW courses will be available to dual-enrolled high school students, depending upon the requirements of or restriction for the course. For instance, courses that have a component that includes international or overnight travel are not available.
Applications for dual-enrollment are available online at https://uncw.edu/admissions/undergraduate/non-degree/dual-enrollment.
Students may enter this program for the fall, spring, or summer terms and may only register for two undergraduate courses per term. Students are responsible for all tuition and fees associated with the registered course(s). Applications and course selections for fall and summer terms should be received in the UNCW Office of Admissions by April 1. Applications and course selections for spring term should be received in the UNCW Office of Admissions by November 1. Students are required to submit a new application for every semester they wish to take classes at UNCW.

Late applications will not be considered. https://uncw.edu/admissions/undergraduate/non-degree/dual-enrollment.

Admission – First-Year Students

Admission to the university is competitive. Applicants may apply to enter the university at the beginning of the fall semester and at the second session of the summer term. The university encourages rigorous coursework during high school and awards credit based on scores earned on Advanced Placement (AP), and International Baccalaureate (IB) exams, and/or grades on college level courses taken during high school. Students should consult their high school counselor for further information. The university honors Common Application, NACAC, College Board and ACT Application Fee Waiver forms if properly signed.
Additionally, listed below are the high school minimum course requirements, as established by the Board of Governors of the University of North Carolina system, for consideration for admission to the University of North Carolina Wilmington. Meeting the high school minimum course requirements does not infer or guarantee admission to UNCW.

Four (4) course units in English

• emphasizing grammar, composition, and literature

Four (4) course units of mathematics, in any of the following combinations:

• algebra I and II, geometry, and one (1) unit beyond algebra II,
• algebra I and II, and two (2) units beyond algebra II, or
• Common core math I, II, and III, and one unit beyond common core math III; or
• integrated math I, II, and III, and one (1) unit beyond integrated math III
• NC Math 1, 2, 3, and one unit beyond NC Math 3 identified as meeting the 4th level mathematics requirement for admission to UNC System institutions.

Three (3) course units in science

• one (1) unit in a life science (for example, biology, ecology, zoology)
• one (1) non-life science unit (for example, astronomy, chemistry, earth science, environmental science, physical science, physics)

• one (1) laboratory science unit

Two (2) course units in social science

• one unit must be U.S. history

Two additional academic courses from English, mathematics, science, social studies, world languages, or computer science.

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Note: these courses should be seleccted in alignment with a student's academic and career objectives. Completion of two sequential world language courses is recommended.

The Admissions Committee will also consider:

• The difficulty of the coursework taken (advanced, college prep, honors, advanced placement, International Baccalaureate, dual enrolled, etc.)
• Grades, grade point average, and/or class rank
• Standardized test scores–SAT and/or ACT (optional for applicants with a weighted GPA of 2.80 or higher)
• Recommendation from school counselor or core academic teacher (optional)
• Extracurricular activities, community activities, talents, interests, work experience and/or life experience
• The required essay and short answer.

Application Procedure for First-Year Students

Applicants are required to comply with the following:

1. Submit a completed application by one of the two deadline dates (November 1, early action or February 1, regular decision).
2. Submit a non-refundable $80 application fee or official application for waiver with the application.
3. Submit an official transcript directly from all the high schools attended to the Office of Undergraduate Admissions, University of North Carolina Wilmington, 601 S. College Road, Wilmington, North Carolina 28403-5904. We cannot accept transcripts directly from the student.
4. Complete the required essay and short answer, and submit with the application.

5. Request that an optional recommendation from a school counselor or core academic teacher be submitted directly to the Office of Admissions at UNCW.
6. Submit the optional SAT or the ACT. If not reported on the high school transcript, SAT and ACT scores must be submitted directly from either The College Board or ACT (UNCW College Codes are: SAT #5907, ACT #3174).

It is important that the required application materials reach the university by the appropriate application deadline date so that all matters relating to the application may be complete before the final notification date and the opening of the semester in which the student expects to enroll.

Admission – Graduate Students

Applicants to UNCW's graduate programs should direct all inquiries concerning admission to the Graduate School. Please refer to the Graduate School website for admission requirements.

Admission – International Students

The University of North Carolina Wilmington welcomes interest and inquiry from international students, defined as those who are not U.S. citizens or who are not U.S. permanent residents. In addition to meeting academic requirements, international applicants for first-year and transfer admission must submit scores (TOEFL, IELTS, DET, iTEP or PTE) to demonstrate English proficiency if English is not their native language, or if they do not meet other established criteria for waiving submission of test scores, as detailed on the Web site: https://www.uncw.edu/admissions/INTLEnglish.html. International students requesting UNCW's F-1 visa sponsorship must also provide documentation proving that the financial obligations associated with their study at the university can be fully met. For details on international admission requirements and a list of all required documents, please refer to the Web site: www.uncw.edu/intladmissions. UNCW admits international students for every semester. Certain academic programs require a separate, additional application in order to be admitted to those programs; for example, the Cameron School of Business and the School of Nursing.
The Office of International Programs will advise international exchange students. Visit Web site https://www.uncw.edu/intprogs/.

Admission – Professional Colleges, Schools, and Select Programs

Degree Programs in the following schools;

- Cameron School of Business
- Watson College of Education
- College of Health and Human Services

and Bachelor's Degree Programs in;

- Biology, B.A.
- Biology, B.S.
- Communication Studies, B.A.
- Computer Science, B.S.
- Creative Writing, B.F.A.
- Environmental Sciences, B.S.
- Film Studies, B.A.
- Music, B.A.
- Psychology, B.A.

Applications may be obtained from the appropriate school or department following admission to the university.

Admission – Re-Enrolling Students

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The University of North Carolina Wilmington both encourages and requires intentional pursuit of your degree. In order to remain at the university, all students must meet the requirements outlined below.

Insufficient Academic Progress

An undergraduate is automatically placed on Insufficient Academic Progress if Satisfactory Academic Progress (SAP) is not met. SAP is generally defined as completing 67% of all attempted hours, excluding transfer hours. This is determined by dividing the number of credit hours successfully completed, defined as having earned a D- or better, by the total number of credit hours attempted.

When a student is placed on Insufficient Academic Progress, a notation is placed on the student's transcript. It is important to note that students on Insufficient Academic Progress may not be making timely progress towards degree completion. It is the responsibility of the student to arrange regular meetings with his or her academic

advisor or department chair/director to discuss these issues and to consider specific academic intervention strategies.

Students should refer to the Scholarship and Financial Aid (OSFA) section related to Policy on Return of Title IV Funds for information about how Insufficient Academic Progress impacts financial aid eligibility.

Academic Standing Policy

The academic standing policy is designed to keep students on track to degree completion. Academic standing is calculated to determine a student's eligibility to enroll in courses. There are four academic standings: Good, Concerning, Warning, and Appeal Required. Students will be notified of their academic standing. Academic programming may be required, as per each college's discretion, for students who are not in good standing.

Good

All new students will begin with a standing of Good. Students who earn a 2.000 or higher cumulative GPA will continue to have a standing of Good and may enroll in fall, spring, or summer courses.

Concerning

Students who begin a semester with a standing of Good and earn less than a 2.000 cumulative GPA during that semester will have a standing of Concerning. Students with a standing of Concerning may enroll in fall, spring, or summer courses. Students who begin a semester with a standing of Concerning and earn a cumulative GPA of 2.000 or above will return to Good standing.

Warning

Students who begin a semester with a standing of Concerning and do not earn a cumulative GPA of 2.000 or above will progress to a standing of Warning. Students with a standing of Warning may enroll in fall, spring, or summer courses. Students who begin a semester with a standing of Warning and earn a cumulative GPA of 2.000 or above will return to Good standing.

Appeal Required

Students who begin a semester with a standing of Warning and do not earn a cumulative GPA of 2.000 or above will progress to a standing of Appeal Required and will not be permitted to enroll in courses and any registered courses may be dropped. Students with a standing of Appeal Required who wish to re-enroll must submit an appeal requesting permission to enroll in courses. This appeal will go to a campus-wide Academic Standing Appeal committee that consists of Deans or their

delegates, the Director of the Center for Academic Advising, the Director Financial Aid and Scholarships, the Dean of Students, and the Registrar. Students must meet with their advisor to begin the appeal. While appeals will be considered on a rolling basis throughout the year, to enter a specific term, students must submit the appeal 10 business days before the drop/add deadline.

The standings above determine eligibility to enroll in courses at UNCW; however, they do not determine eligibility to enroll in specific programs or colleges.

Readmission

Undergraduate students who left the university in good academic standing for one fall or spring semester do not need to apply for readmission. For those not enrolled at the university for two or more consecutive, regular semesters (excluding summer), a readmission application is required. Applications for readmission and submission deadlines are available from the Office of Undergraduate Admissions. Readmission to the university does not guarantee readmission to individual academic programs.

Three-year Forgiveness Policy

Any degree-seeking undergraduate student who has not been enrolled at UNCW for three or more years may choose to take advantage of the Three-year Forgiveness Policy. A student must be readmitted and then notify the University of their intention to take advantage of the Three-year Forgiveness policy by the last day of drop/add for the semester in which the student is readmitted. Three-year Forgiveness status, once applied, may not be changed, and will have the following academic consequences:

1. All original coursework attempted is visible on the academic transcript.
2. Any grade of C or higher earned prior to the granting of the Three-year Forgiveness policy will be included in earned credit hours.
3. Any grade of C- or lower earned prior to the granting of the Three-year Forgiveness policy will be excluded from earned credit hours.
4. A failing grade received as a result of a brokered private resolution or adjudicated academic dishonesty shall not be replaced if the course is repeated. A student may not appeal this outcome to any faculty or administrative level.
5. The student's grade point average will be calculated only for those courses taken after the granting of the Three-year Forgiveness policy.
6. The student will retain all Course Repeat and Grade Replacement options.
7. The course withdrawal bank will reset to 16 credit hours.
8. The student will be ineligible for Degrees with Distinction.
9. This policy may only be applied once.

Admission – Senior Citizens (65+ years of age) Tuition Free Audit

North Carolina General Assembly Session Law 2017-57, Senate Bill 257, Section 10.12.(a) authorized the Board of Governors to promulgate rules permitting residents of North Carolina who have attained the age of 65 and who meet applicable admissions standards to audit courses, tuition-free, on a space available basis.

Auditing allows a student to enroll and attend a class without receiving academic credit. Audited courses do not count toward full-time status, loan deferment, or financial aid eligibility. Audit students pay regular tuition and fees for audited classes.

Senior citizens 65 and older who are not currently enrolled at UNCW and wish to audit a class will need to apply online through the UNCW Application for Audit and Senior Citizen Audit Students.

The Spring application will open on November 1 and close on the first day of classes. The Summer and Fall application will open on April 1 and close on the first day of classes. In addition to the application, applicants must submit the non-refundable application fee. If admitted, students will need to request an audit through the Office of the Registrar. For more information, visit https://uncw.edu/admissions/undergraduate/non-degree/auditing.

Senior citizens who wish to take courses **for credit** must apply through the Admissions Office. Tuition and fees will apply.

Senior citizens registering for more than (4) credit hours will need to comply with the immunization requirements under North Carolina state law. Please contact Student Health Services at (910) 962-3280 for more information.

Admission – Special Undergraduate Students

A student who has graduated from a four-year accredited college or university and wishes to take undergraduate classes without pursuing a second degree can apply to UNCW as a special undergraduate student. This application option is also available for students who need to take classes toward completion of teacher certification or licensure requirements. Please note that any student who wishes to

earn a second Undergraduate degree must apply as a transfer student.
Special Undergraduate students must have graduated with a Bachelor's degree from a four-year regionally accredited institution in good academic standing.
Students must submit the application through the UNCW Application Portal and submit the non-refundable application fee, as well as an official transcript from their degree awarding institution. Applicants must submit their application and all required materials by the posted deadline for their desired entry term.

Admission – Transfer Students

Transfer applicants may apply to enter the university at the beginning of the fall term, summer term or spring term.
Students seeking transfer admission to the University of North Carolina Wilmington must have graduated from an accredited high school, earned a General Equivalency Diploma (GED), or obtained an Adult High School Diploma. Additionally, they must have completed college coursework at another institution after finishing secondary education.
Applicants under the age of 21 who have not completed 24 hours of transferable college coursework must meet North Carolina high school minimum course requirements. Additional recommendations for transfer admission are provided on the website.
UNCW does not admit by major or program. Admission requirements for particular programs of study at UNCW may differ from minimum admission standards. Transfer applicants should refer to the requirements listed for specific programs/majors within the specific college/school.

Application Procedure for Transfer Students

Students seeking transfer admission are required to comply with the following procedures:

1. Submit a complete application by the appropriate application deadline date.
2. Submit a non-refundable application fee with the application.
3. Submit an official transcript from each college or university attended, including dual enrollment credit. It is the applicant's responsibility to request that official transcripts are submitted by each institution attended to the Office of Admissions by the application deadline date.
4. Submit official military transcripts (if applicable) to the UNCW Office of Admissions.
5. Have an official high school transcript or GED sent to the Office of Admissions by the

application deadline date.

See also:

- Students transferring to UNCW from another accredited college or university will submit their transcripts to the Office of Admission as part of the application process. Transfer credit may be accepted from institutions accredited by the following bodies:
  - Southern Association of Colleges and Schools Commission on Colleges (SACSCOC)
  - Accrediting Commission for Community and Junior Colleges (ACCJC)
  - Higher Learning Commission (HLC)
  - Middle States Commission on Higher Education (MSCHE)
  - New England Commission of Higher Education (NECHE)
  - Northwest Commission on Colleges and Universities (NWCCU)
  - Western Association of Schools and Colleges (WASC)
- https://uncw.edu/seahawk-life/support-success/transition-programs/
  The Transition Programs Office is responsible for providing comprehensive programs that will assist undergraduate students and their families in their transition to the university. These programs expose new and transfer students to the educational opportunities within UNCW, introduce them to the academic and co-curricular life of the institution, and assist them in their on-going transition to the university beyond orientation. Transition Programs also assists parents and family members in supporting their student's success through frequent communication and engagement opportunities. In addition, Transition Programs is responsible for the coordination and implementation of Commencement.

Admission – Visiting Students

Students from other colleges or universities who intend to return to their home institution may attend UNCW as visiting students. The university does not assume responsibility for determining a student's course selection when such credits are to be transferred elsewhere. Transcripts of work completed at UNCW must be requested through the Office of the Registrar to assure a record of academic work is sent to the home institution of the visiting student. Enrollment as a visiting student from another institution in no way obligates the university to continue a student's enrollment at UNCW at the expiration of the visiting period. All application deadline

dates apply to visiting students.
Students should apply as a visiting student using the non-degree seeking undergraduate application, submit the non-refundable application fee, and an official transcript from their current or most recently attended college or university.
Visiting students must be in good academic standing at their current or most recently attended institution and have attained at least a 2.50 cumulative GPA with 24 transferable credit hours complete at the time of application to be considered for admission. A student may only attend as a visiting student for two consecutive semesters (not including summer session).

Medical History Form and Immunization Record

North Carolina General Statute 130A-155.1 establishes specific immunization requirements for all students enrolled in North Carolina colleges or universities. It is the responsibility of the Student Health Center to monitor the immunization record of each student to ensure compliance with state law and university requirements.
All students are required to complete and sign the "Medical History Form and Immunization Record." If a student is under the age of 18, a parent or guardian must sign the form as well. The form, along with additional instructions, can be found at https://uncw.edu/healthservices/shc_newstudents.html.

Immunizations that are REQUIRED pursuant to NC state law (current as of January 5, 2025):

Vaccine	Number Doses Required Before School Entry*
Diptheria, tetanus and pertussis	3 doses
Polio	3 doses
Measles	2 doses
Mumps	2 doses
Rubella	1 dose
Hepatitis B (Hep B)	3 doses
Varicella	1 dose
Meningoccal conjugate (MenACWY)	2 doses

*Please read below for further information

· **Diphtheria, tetanus and pertussis vaccine:** Three doses are required for individuals entering college or university. Individuals entering college or university for the first time on or after July 1, 2008 must have had three doses of tetanus/diphtheria toxoid; one of which must be tetanus/diphtheria/pertussis.

· **Polio vaccine:** Three doses are required for individuals entering college or university. An individual attending school that has attained his or her 18th birthday is not required to receive polio vaccine.

· **Measles vaccine:** Two doses at least 28 days apart are required for individuals entering college or university. The requirement for a second dose does not apply to individuals who entered school, college or university for the first time before July 1, 1994. A person who has been diagnosed prior to January 1, 1994 by a physician (or designee, such as a nurse practitioner or physician assistant) as having measles (rubeola), or an individual who has been documented by serological testing to have a protective antibody titer against measles, is not required to receive measles vaccine. Individuals born before 1957 are not required to receive measles vaccine except in measles outbreak situations.

· **Mumps vaccine:** Two doses are required for individuals entering college or university. A physician's diagnosis is not acceptable for mumps disease(s). Individuals must be immunized or have laboratory confirmation of disease, or have been documented by serological testing to have a protective antibody against mumps. Individuals born before 1957 are not required to receive the mumps vaccine. Individuals that entered college or university before July 1, 1994 are not required to receive the vaccine. Individuals that entered school, college or university before July 1, 2008 are not required to receive the second dose of mumps vaccine.

· **Rubella vaccine:** One dose is required for individuals entering college or university. A physician's diagnosis is not acceptable for rubella disease(s). Individuals must be immunized or have laboratory confirmation of rubella disease, or have been documented by serological testing to have a protective antibody titer against rubella. Any individual who has attained his or her fiftieth birthday is not required to receive rubella vaccine except in outbreak situations. Any individual who entered college or university after his or her thirtieth birthday, and before February 1, 1989, is not required to receive rubella vaccine except in outbreak situations.

· **Hepatitis B Vaccine:** Three doses are required for individuals entering college or university. Hepatitis B vaccine is not required if an individual was born before July 1, 1994.

· **Varicella Vaccine:** One dose is required for individuals entering college or university that were born on or after April 1, 2001. An individual who has laboratory confirmation of varicella disease immunity or has been documented by serological testing to have a protective antibody titer against varicella, or who has documentation from a physician, nurse practitioner, or physician assistant verifying history of varicella disease, is not required to receive varicella vaccine. The documentation shall include the name of the individual with a history of varicella disease, the approximate date or age of infection, and a healthcare provider signature. Individuals born before April 1, 2001 are not required to receive varicella vaccine.

· **Meningococcal conjugate (MenACWY) vaccine:** Two doses. One dose is required for

individuals entering the seventh grade or by 12 years of age, whichever comes first, on or after July 1, 2015. A booster dose is required for individuals entering the 12th grade or by 17 years of age, whichever comes first. Individuals who entered seventh grade before July 1, 2015 are not required to receive the first dose. The booster dose does not apply to individuals who entered the 12th grade before August 1, 2020. If the first dose is administered on or after the 16th birthday, a booster dose is not required. Individuals born before January 1, 2003 shall not be required to receive meningococcal conjugate vaccine.

Immunization requirements taken directly from https://www.immunize.nc.gov/schools/collegesuniversities.htm.

International Students and/or non-US Citizens: Vaccines are required as noted above. Additionally, international students are required to have a Tb skin test (PPD, TST or QuantiFERON Gold) that has been administered and read at an appropriate medical facility within 12 months prior to the first day of class. (Chest x-ray required if test is positive.)

Notes:

a. Immunization records must bear either the administering provider's signature, name, address and phone number or the official stamp of the health care facility at which the immunizations were administered. Immunization records printed from a state registry are also an acceptable form of proof.

b. Laboratory proof of immunity to Measles (Rubeola), Mumps, Rubella (German Measles), or Varicella is acceptable.

Failure to comply with North Carolina immunization requirements will result in administrative withdrawal from the university.

Online Accelerated Program

Online Accelerated Programs are completely online degree programs, offered within a shortened seven-week session, consisting of six separate sessions per year. These programs have different application deadlines than traditional Undergraduate programs. Those dates, and other important admission information, can be found by visiting the program websites.

Safety and Health Program

UNCW's safety program complies with the State Occupational Safety and Health

Act of 1973.

Unclassified Enrollment Permission

Applicants who are denied regular admission to the university may be considered for enrollment as unclassified students under special circumstances. No student who has graduated from high school less than two years prior to application may be considered for unclassified status. Unclassified status does not constitute admission to any degree program at the university.

An unclassified student may enroll in up to 18 credit hours of courses in a semester, but may attempt no more than a cumulative total of 30 credit hours while unclassified. If the student does not qualify for degree status after 30 credit hours have been attempted, the student's enrollment will end and the student may not reapply for admission. Unclassified students are subject to all applicable academic regulations of the university. Unclassified students are not eligible for federally funded financial aid programs. See also Conversion from Unclassified Status in the University Regulations section of this catalogue.

University Regulations

- The University of North Carolina is a community of high academic standards where academic integrity is valued. UNCW students are committed to honesty and truthfulness in academic inquiry and in the pursuit of knowledge. Any member of the university community who has reasonable grounds to believe that an infraction of the Student Academic Honor Code has occurred has an obligation to report the alleged violation. This obligation is a core value of the Honor Code and must be fulfilled by each and every member of the university.

  Academic dishonesty takes many forms, from blatant acts of cheating, bribery, or similar misdeeds to the more subtle forms of plagiarism, all of which are totally unacceptable in an institution of higher learning. Reporting and adjudication procedures have been developed to enforce the policy of academic integrity, to ensure justice, and to protect individual rights. Complete details may be found in the Student Academic Honor Code (03.100 Academic Honor Code | UNCW) and the Faculty Handbook (https://www.uncw.edu/facsen/documents/Faculty_Handbook.pdf).

- A list of academic honor societies with verified chapters at UNCW may be found at https://www.uncw.edu/aa/Academic_Honor_Societies.html
  Also see: [[permalink=4128|new:{'title':1}]][[/permalink]]

- Students and their advisors confer when necessary, but they must confer at least once before every registration period to review goals, plans for achieving them, and any problems encountered or anticipated. Students have the responsibility to understand and meet the requirements for the curriculum under which they are studying and should seek advice as appropriate.
  For more information, please see [[permalink=4163|new:{'title':1}]][[/permalink]].

- The auditing of courses without credit is approved by special permission of the Office of the Registrar and of the instructor involved. Students who are approved as auditors may enroll in the course if space is available on the first day of classes. Individuals not regularly enrolled as students in the university who wish to audit courses will be classified as special students and will be required to pay regular tuition and fees, unless otherwise exempted. Enrolled students are permitted to audit courses and must pay the same tuition and fees as required in courses where credit is earned. Courses taken as an Audit will not count towards the calculation of a student's full-time academic status. See also [[permalink=4195|new:{'title':1}]][[/permalink]]. Students are encouraged to consult the [[permalink=1232|new:{'title':1}]][[/permalink]] because auditing courses may influence Federal Financial Aid.
  See also: [[permalink=4147|new:{'title':1}]][[/permalink]]

- An instructor of any course may cancel a student's registration in his/her course if the registered student fails to attend the first class meeting of the term and fails to notify the instructor of his/her desire to remain enrolled within 24 hours of the class meeting time. Student appeals resulting from emergencies or other extenuating circumstances will be considered on a case-by-case basis by the appropriate

department chair/school director. Students who wish to drop or withdraw from a class should not assume they have done so by not attending the first class or subsequent classes.
The appropriate dean's office should notify the relevant department chairperson of late-arrival students who cannot attend the first class meeting because of illness or other reasons approved by a dean of the college or the professional schools.
If an instructor takes cancellation action, the registration openings resulting from this action will be offered to students seeking enrollment in the courses during the official drop/add period.

- All declarations of majors, double majors, and/or minors, as well as any changes to degree programs shall be made through the Major Declaration/Curricular Updates system. Students are advised to consult with their advisor in the original major before changing majors.

- It is the obligation of every student to notify the Office of the Registrar in writing of any change in name. Documentation in the form of a government-issued identification (such as valid driver's license or voter registration card) plus a photo identification is required for name changes.
Change of address and telephone may be updated by way of the student information system through mySeaport.

- Students are expected to be present at all regular class meetings and examinations for the courses in which they are registered. All faculty members are responsible for setting policy concerning the role of attendance in determining grades for their classes. It is the responsibility of the students to learn and comply with the policies set for each class for which they are registered.
An instructor of any course may cancel a student's registration in his/her course if the registered student fails to attend the first class meeting of the term and fails to notify the instructor of his/her desire to remain enrolled withing 24 hours of the class meeting time. Student appeals resulting from emergencies or other extenuating circumstances will be considered on a case-by-case basis by the appropriate department chair/school director. Students who wish to drop or withdraw from a

class should not assume they have done so by not attending the first class or subsequent classes.
North Carolina General Statute 116-11(3a) and UNC policy authorize a minimum of two excused absences each academic year for religious observances required by the faith of a student. Students must submit a request for an excused absence, within MySeaport - Students, seven days prior to the religious observance. The student shall be given the opportunity to make up any tests or other work missed due to an excused absence for a religious observance.

- Students are classified as freshmen, sophomores, juniors, and seniors. Semester hours passed are used to determine these classifications. In order to graduate in eight semesters, a student must average 30 hours each year.
The required number of hours passed for each classification is as follows:

- The *Code of Student Life* is the primary source of information regarding the rights, responsibilities, and expected levels of conduct of students in the university community. The *Code of Student Life* is available in hard copy at the Office of the Dean of Students and online at www.uncw.edu/cosl.

- An unclassified student who has not previously attended another college or university and has met all requirements for admission as a degree candidate may apply to the Office of Admissions to convert to degree status upon completing a minimum of 15 credit hours with a "C" (2.00) average or better on all work attempted. These minimum 15 credit hours must include ENG 101 and three hours of basic mathematics with a grade of "C" (2.00) or better in each of these courses.
An unclassified student who has previously attended another college or university and has met all requirements for admission as a degree candidate may apply to convert to degree status if the student has completed ENG 101 and three hours of basic mathematics with a "C' (2.00) or better in each of these courses and if the student has achieved a grade point average of at least 2.00 on all work attempted at all institutions attended.
Unclassified students intending to pursue a degree are advised to apply for degree status prior to the application deadline established for the semester. Acceptance

into certain degree programs will depend on the student's prior college performance.
See also section on Degree Programs and Requirements in this catalogue.

- Credit for Prior Learning provides transfer credit in recognition of previously completed academic and non-academic college level learning. There are several methods of receiving UNCW credit for academic work previously completed or for acquired but academically uncredited knowledge and experience. The categories of credit that may be granted include:
- Transfer Credit from a 2-year or 4-year College or University
- Examination
- Military Education and Training
- Certification or Licensure
- Industry or Corporate Experience
- Portfolio Assessment

1. Advanced Placement Exam: Students may receive credit by examination for achieving acceptable scores on a variety of Advanced Placement exams offered through the College Entrance Examination Board. A website listing of the examinations, required minimum scores, course equivalents, and credits awarded is available online athttp://www.uncw.edu/reg/transfercredit-examAP.htm. Incoming students should have the score reports sent to the Office of Admissions for evaluation concerning placement and credit. Individual departments have determined the specific courses for which credit will be given.
1. International Baccalaureate Exam: Students may receive credit by examination for achieving acceptable scores on the "High Level" International Baccalaureate (HL IB) examinations. A student who earns the minimum required score or better on the International Baccalaureate examinations will receive appropriate college credit. A website listing of the examinations, required minimum scores, course

equivalents, and credits awarded is available online athttp://www.uncw.edu/reg/transfercredit-examHLIB.htm. Incoming students should have the score reports sent to the Office of Admissions for evaluation concerning placement and credit. Individual departments have determined the specific courses for which credit will be given.

1. AP and IB Exam Credit Revocation: Students can revoke Advanced Placement and International Baccalaureate credits earned in high school with approval from a Dean or designee of the student's College unless a higher- level course for which it is a prerequisite has been successfully completed. Students who choose to revoke credit for a course may not subsequently receive credit by examination for that course. The decision to revoke credit is final and students must consult with their academic adviser before making the request.
1. College Level Examination Program (CLEP): Students may receive credit for a variety of courses by achieving a passing score on one of the College-Level Examination Program (CLEP) tests. Students can register for the offered tests at University Testing Services,https://uncw.edu/testingservices/national/index.html. Students should have the score reports sent to the Registrars Office for evaluation concerning placement and credit. Individual departments have determined the specific courses for which credit will be given.
1. Cambridge International Examination: Students achieving acceptable scores on the Cambridge International Examination (CIE) and/or Cambridge Advanced International Certificate of Education (AICE) Diploma may be eligible for credit. A website listing of the A and/or AS Level subject examinations, required grade, and credits awarded is available athttps://uncw.edu/reg/transfercredit-examCIE.html. Examination grades should be sent to the Office of the Registrar. Individual departments continue to review and determine appropriate credit awarded for each subject.
1. College Exemption: Students who have been exempted with credit from courses at an accredited college or university may be exempted with credit from appropriate courses at the University of North Carolina Wilmington. When the exemption is based on a test result, the student should have a copy of the score report sent to the Office of Admissions for evaluation concerning placement and

credit

1. Challenge Exams: In cases in which a student has demonstrated knowledge of a particular field by more advanced course work or experience, exemptions may be granted on an individual basis by the appropriate department chairperson. Such credit may involve satisfactory performance on a department-designed examination or project.

- To be included in the Dean's List at the close of each semester, students must meet one of the following criteria:

1. Students carrying 12-14 hours must earn a grade point average of 3.50 or better with no grade less than "B" (3.00).
2. Students carrying 15 hours or more must earn a grade point average of 3.20 or better with no grade less than "B" (3.00).
3. Students participating in the Honors Scholars College who are carrying 12-14 total hours but are not receiving a grade for the current semester of honors work shall be eligible for the Dean's List if their grade point average on the remaining 9-11 hours otherwise meets current standards for the Dean's List.

- Undergraduate students admitted as first time, first year students may declare and be accepted into a major field of study after completing a minimum of 24 semester hours at the university. After one semester of enrollment, first time, first year students who have earned 30 or more credit hours including UNCW and transfer credit may declare their major with permission from the Director of Center for Academic Advising.

Undergraduate students admitted as transfer students are required to select a major or a pre-major at the time of admission to UNCW. Advising of transfer students is done within the chosen major field or Center for Academic Advising when appropriate.

In unique situations and with permission of both the Director of Center for Academic Advising and the Dean of the receiving College or School or designee, a student may declare their major before the end of their first semester. Colleges, schools, departments, and programs with admission requirements have a pre-major, and that academic unit provides discipline-specific advice. Students accepted into a pre-major status are expected to complete full admission requirements for the major within three semesters.

- Three degrees with distinction are granted to graduating students based on all work attempted in meeting requirements for the degree as follows:
  Cum Laude for an overall average of 3.50
  Magna Cum Laude for an overall average of 3.70
  Summa Cum Laude for an overall average of 3.90
  If transfer students first have a UNCW GPA of 3.5 or higher, degrees with distinction are granted to transfer students under the following conditions:
  1. The student must have the required overall average on all work attempted (including all transfer courses attempted).
  2. The student must have the required average on work attempted at the University of North Carolina Wilmington.
- Because the university must officially respond to requests for a determination of a student's enrollment status from outside agencies as well as university offices, the following policy is provided:

  UNDERGRADUATE—REGULAR TERM

  Full-time status requires a minimum enrollment of 12 credit hours.
  Three-quarter-time status requires a minimum enrollment of 9 credit hours.
  Half-time status requires a minimum enrollment of 6 credit hours.

  UNDERGRADUATE—SUMMER SCHOOL

  Full-time status requires a minimum enrollment of 12 credit hours across all sessions in the summer term.
  Three-quarter-time status requires a minimum enrollment of 9 credit hours across all sessions in the summer term.
  Half-time status requires a minimum enrollment of 6 credit hours across all sessions in the summer term.
  Enrollment status for determining financial aid eligibility is calculated across all sessions in the summer term.
- The University of North Carolina Wilmington regards e-mail as an official method of communication with students, staff and faculty. The UNCW e-mail address is the official address for faculty, staff and student electronic communications. Faculty, staff and students assume full responsibility for the decision to forward e-mail, and any failure to receive e-mail communications due to an alternative e-mail service does not necessarily constitute a defense for failure to respond. While e-mail is an official method of communication, it is not the only official method of communication

and does not exclude alternate methods such as written or oral communications. All members of the university community must maintain good e-mail management habits and adhere to the standards of responsible use specified in the UNCW Responsible Use of Electronic Resources Policy (https://uncw.edu/policies/documents/07.100.00-responsible-use-of-it-resources.pdf) if the institution is to maintain a quality, collaborative computing environment.

- University policy requires the scheduling of final examinations. Under this policy, the final examination schedule provides a three-hour period for each examination and allows a maximum of four examinations per day. The length of the final examination, up to a maximum of three hours, is at the discretion of the instructor. The final examination schedule is published at the beginning of each semester. Courses offered during the day have final examinations during the day. Night courses have final examinations at night.
  A student who is scheduled to take three or more final examinations in one calendar day may have one or more rescheduled so that no more than two per day are required. To reschedule an exam the student must notify the three (or four) instructors and the appropriate dean(s) of this desire at least two weeks before the beginning of the final examination period. It will be the responsibility of the instructors, working with the student, to reschedule the exam(s) and so inform the student and the appropriate dean(s) at least one week before the beginning of the final examination period.
  Rescheduling of a final examination for an entire class may be done only with the approval of the appropriate dean.

- Any student considering a grade appeal should understand that each faculty member has the academic freedom and responsibility to determine grades according to any method, chosen by the faculty member, that is professionally acceptable, communicated to everyone in the class, and applied to all students equally. However, prejudiced or capricious academic evaluation by a faculty member is a violation of a student's rights and is the valid ground for a grade appeal.
  Any student who contests a course grade shall first attempt to resolve the matter

with the instructor involved. Failing to reach a satisfactory resolution, the student may appeal the grade in accordance with the procedures outlined below. These procedures are not to be used in cases involving student academic dishonesty. An appeal must be made no later than the last day of the next succeeding regular semester. Grades not appealed by that time become permanent.

1. The student shall present the appeal in writing to the chairperson of the department within which the contested grade was awarded. The written statement shall limit itself to citations of evidence pertaining to the valid ground for the appeal. By conferring with the student and the instructor, the chairperson will seek resolution by mutual agreement.
2. Failing such resolution, the department chairperson shall transmit the written appeal to the appropriate dean who will convene the Grade Appeals Committee.
3. The Grade Appeals Committee shall consist of the convening dean and five faculty members appointed by the dean. If the committee affirms the instructor's decision, the dean will notify in writing the faculty member, the student, and the department chairperson as appropriate. If the committee supports the student's appeal, it shall prescribe the method by which the student will be reevaluated. The grade resulting from the prescribed reevaluation is final and may not be further appealed.

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Unless modified in accordance with established procedures, each grade assigned by faculty (including a grade in a course that has been repeated), or a grade of "W" is permanent and cannot be removed from a student's official record or transcript.

The University of North Carolina Wilmington uses the grade point system and semester hour credit for calculating student achievement. Plus (+) or minus (-) grades may be awarded at the discretion of the faculty. Grade symbols used are the following:

*Earned grade points equal quality points

The grade point average (GPA) is determined by dividing the accumulated number of grade points (quality points) earned at UNCW by the accumulated number of attempted hours earned at UNCW. Hours for which grades of "F" or "WF" have been assigned are included in the calculation of the GPA. Grades of "I," "IP," "W," "NR," "Z" and "P" are not included in the calculation of the GPA.

At the discretion of the instructor and in compliance with policies governing appropriate conditions for assigning a grade of Incomplete, a student may be given a grade of Incomplete when the work in the course has not been completed for reasons beyond the control of the student. All incomplete grades must be removed

according to a deadline established by the instructor, but no later than the end of the next regular semester, otherwise the "I" becomes "F" and cannot be changed. A student must not register for the class when attempting to remove a grade of Incomplete. No student will be allowed to graduate with an Incomplete grade on his/her academic record. Such grades that have not been resolved at the time of graduation will be converted to an "F." If a student meets graduation requirements, despite the "F," the appropriate degree will be awarded.

An "IP" is assigned to departmental honors projects (499) in semesters other than their final one. Upon successful completion of the entire project, "IP" grades from previous semesters are converted to letter grades, and grade points are retroactively awarded.

Grades of "P" and "F" can be assigned to internships designated by a 498 number as described in the section on Internships. The credit hours earned with a "P" will count towards the number of hours required to graduate but will be excluded from the computation of the GPA. Grades of "F" will be included in the computation of the GPA.

Term grades may be accessed via mySeaport.

- All indebtedness to the university must be satisfactorily settled before a diploma will be issued.

- Placeholders are fictitious courses that act as reference points for coursework generated through interinstitutional transfer. If visible on the transcript, the course will be upgraded as 'NG' (Non-Graded) with zero credit hours. The following courses exist as placeholders for interinstitutional relationships with other campuses.
  - EXC 294 (Exchange) - appears on an academic transcript with an NG grade and zero credit hours
  - STA 294 (Study Abroad) - only appears within registration; appears until foreign transcript is received and processed, then removed
  - UPS 294 (University of Paris Sorbonne) - only appears within registration; appears until foreign transcript is received and processed, then removed
  - UNCX with any course number (UNC Online) - only appears within registration
- Isaac Bear Early College High School opened in the fall of 2006 as a partnership

between the North Carolina New Schools Project, New Hanover County Schools and the University of North Carolina Wilmington. As an early college high school, students participate in an
accelerated high school education program which offers honors courses to prepare students for the rigor of college.
Students enrolled in UNCW classes while enrolled at Isaac Bear Early College High School will be governed by the academic policies of the UNCW catalogue. Upon admission to UNCW, Isaac Bear Early College High School graduates will begin as degree seeking undergraduates. Such students will maintain the cumulative GPA and credit hours earned. However, all other policies will restart as if the student was not enrolled during high school.

- Students may be permitted to earn credits toward degree requirements at UNCW through course work at other regionally-accredited two- and four-year colleges and universities in the United States and abroad, as well as through distance education. To receive permission, a student must submit an online "Permission for Transient Study" request and obtain the approval of his/her department chairperson (or the dean of University College) prior to registering for the course(s). The online transient study request link and instructions are available
at http://www.uncw.edu/reg/transfercredit-transStudy.htm. The permission form must be on file in the Office of the Registrar prior to the student's leaving campus. Any exception to the residency requirement requires the signature of the department chair and dean. See also Residency Requirement.

- All new undergraduate students are required to attend an orientation program prior to the beginning of their first term. The purpose of orientation is to acquaint new students with academic requirements, campus resources, and engagement opportunities.
During main campus orientation, first-year and transfer students will work with an academic advisor, take placement tests as needed, meet their peers, learn about campus resources and register for courses. Registration for orientation is required in advance. More information about orientation can be found
at https://www.uncw.edu/orientation.
All new undergraduate students enrolling in online degree programs will be required

to complete an online orientation which will include modules about academics, campus and technology resources, and an overview of e-learning. Academic advising will be provided virtually. Program specific orientations may also be required. For more information, please refer to Distance Education & eLearning webpage, https://uncw.edu/myuncw/academics/deel/online-education/online-orientation

Re-enrolling students admitted to any degree program are not required to participate in orientation, as they previously completed the orientation requirement (either in person or online) at the time of their initial enrollment.

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Students who have a cumulative grade point average of 2.00 or higher and who have successfully completed 45 hours, with at least 12 hours at UNCW, may take up to 9 hours of elective courses on a pass/fail basis. The intent of this option is to encourage students to explore areas of interest beyond their major or minor without concern about compromising their academic record. Students should be selective in choosing such courses. A change of major might mean that a course taken on a pass/fail basis must later be retaken for a grade. In addition, graduate and professional schools and future employers may evaluate such course work differently from graded courses. The following restrictions apply:

- A student may enroll in a course on a pass/fail basis only with the permission of the instructor.
- No more than one course may be taken on a pass/fail basis in a semester or summer session.
- Courses used to fulfill university studies requirements or the requirements of the student's major, minor, or certificate program may not be taken on a pass/fail basis. Courses repeated to replace a grade may not be taken on a pass/fail basis.
- Students may not change the designation (from graded to pass/fail or from pass/fail to graded) after the drop/add period.
- Pass/fail students are required to complete all course work and examinations and are graded as if they were taking the course for a grade. Students who achieve a passing average receive a grade of "P" for the course. A "P" grade is equivalent to a "D-" or better.
- Credit hours in courses for which a student has earned a "P" are counted toward the hours required for graduation, but are excluded in the computation of the student's grade point average. Grades of "F" are included in the computation of the grade point average.
- Internships do not count in these elective pass/fail courses.
- Students should be aware of the ramifications which could result from using the pass/fail option:

1. Many graduate schools will not consider "P" grades for entry into a program.
2. Many institutions do not award transfer credit for "P" grades.
3. Pass/fail hours will not be used in the calculation of Dean's List.

- For information on credit available by examination through CLEP, IB, AP, etc., see the Credit by Examination section of this page.
  Placement into appropriate starting courses in Math, English, and World Languages is in part through examination as detailed below, but is at the discretion of the placing department's chair.
  English
  Placement: https://uncw.edu/myuncw/academics/colleges/chssa/departments/english/placement
  Math Placement
  Test: https://uncw.edu/myuncw/academics/colleges/cse/departments/math-statistics/student-resources/undergraduate/placement-test
  World Language and Cultures Placement
  Test: https://uncw.edu/myuncw/academics/colleges/chssa/departments/world-languages/undergrad-student-resources/placement-test

- In accordance with policy adopted by the Board of Governors of the University of North Carolina and the Board of Trustees of UNCW, disciplinary proceedings against a student, faculty member, administrator, or other employee will be initiated when the alleged conduct is deemed to affect the interest of UNCW. The penalties that may be imposed range from written warnings with probationary status to expulsion from enrollment and discharge from employment.
  The full text of the policy appears in the *UNCW Policies and Procedures Manual*, the *Faculty Handbook*, and the *Code of Student Life*.

- https://uncw.edu/myuncw/about/university-administration/academic-affairs/policies-guidelines/posthumous-degrees
  A posthumous baccalaureate or graduate degree may be conferred upon a student who dies prior to but close to completion of all requirements of the degree being pursued. The University of North Carolina Wilmington awards such degrees in recognition of the academic achievement of the deceased student. In doing so it acknowledges the loss to the university, family and friends and extends to them the opportunity to share in the academic success of the deceased student.
  To be eligible for the award of a posthumous degree, an undergraduate student

generally must have met the following conditions:

- At the time of death, the student was enrolled in his/her senior year.
- The student was in good academic and disciplinary standing and was successfully progressing toward completion of requirements for the degree to be awarded. In particular, at the time of death the student had a 2.0 GPA or better, was within 15 credit hours of completion of all requirements or in the final term of completion of all their requirements, and had satisfied the university's Residency Requirement as described in University Regulations within the Undergraduate Catalogue.
- The student must have declared a major and completed at least one half of the requirements for the major that will be recorded on the diploma.
- At the time of death, the student was enrolled in good academic standing and had made significant progress toward academic requirements for earning the degree.
- For degrees requiring thesis, dissertation, or other creative/practicum activity, the student must have completed all course and other requirements pursuant to the degree and must have been near completion of the dissertation/thesis/equivalent product; and the student's committee must have determined the scholarship to be substantial work and worthy of the degree.
- For degrees requiring primarily coursework, the student should have completed at least 90 percent of academic requirements for earning the degree. This is typically in the last two semesters or year of study.
- In cases where requirements for awarding a doctorate have not been met, a master's degree could be awarded if an appropriate master's degree exists within the student's home department/school, all requirements for the degree have been satisfied, and the action is supported by the student's committee.

1. Upon learning of the death of a University of North Carolina Wilmington student, the Vice Chancellor for Student Affairs (or designee) will notify the relevant dean.
2. The dean shall ascertain the academic and disciplinary standing of the student. The dean's office will work with the department chair. The departmental faculty, department head and dean will determine if the student's overall record merits further consideration and if recommendation that the posthumous award be granted; such information will be communicated to the Provost.
3. The Provost will weigh all the information relating to each case independently and will prepare a recommendation to the Chancellor. If the Chancellor supports the recommendation, it will be presented to the Board of Trustees for final approval.
4. If the Board of Trustees approves, the Chancellor's Office will notify the Registrar.

1. The family of the deceased will be notified of the approval by the Vice Chancellor for Student Affairs (or designee).
2. The degree will be conferred at a future commencement exercise determined by the Provost and Vice Chancellor for Student Affairs.

1. Names of all recipients of posthumous degrees will be listed separately, along with degree and major, in the commencement program.
2. Special recognition of these students will be made by the Chancellor just prior to the individual recognition of all degree candidates present at the ceremony.

3. Families who choose to attend commencement activities will be provided reserved seating and the Chancellor will note their presence as he or she recognizes the posthumous degree recipients.
4. A diploma will be provided to the families who choose to attend commencement activities or mailed to families who choose not to participate.
3. The posthumous nature of the award will be indicated on the diploma, the student's permanent record and in the commencement program.
4. If the major department does so certify, the Registrar shall enter final grades of "P" in classes in which the student was enrolled.

- To graduate in four years, a student must successfully complete all graduation requirements and an average annual course load of 30 semester hours. This course load requires the student to take approximately 15-16 hours per semester or earn hours through summer enrollment. Among the factors responsible for extending the time necessary to complete degree requirements beyond four years are a student's late decision to change majors, requiring additional course work; part-time employment while enrolled; family responsibilities; and unilateral decisions to take fewer than the recommended average of 15.5 hours per semester.

- Registration occurs immediately prior to each term and is limited to the time period specified in the university calendar. Classes may not be added after the last day of registration and the add/drop deadline. Degree students may take up to 18 hours without special permission. Students who have a cumulative grade point average of 3.50 or higher may be allowed, with special permission of the appropriate dean, to carry up to 21 semester hours.

Cancellation of Registration Due to Failure to Pay Tuition and Fees

Students who fail to pay or make suitable arrangements for payment of tuition and fees will have their registrations cancelled. Non-payment does not constitute official withdrawal from the university. If a student registered, but decides not to attend UNCW, the student MUST notify the Office of the Registrar in writing prior to the first day of the term. Please see Charge for Late Payment of Tuition and Fees in the section on Expenses, subsection, Tuition and Fees.

- The University of North Carolina Wilmington has routinely made public certain

information about its students. Typically, UNCW releases the names of students who are selected by the various honorary societies, receive scholarships, make the Dean's List, hold offices, or are members of athletic teams.

The University of North Carolina defines the term directory information to include the following information: the student's name, college and major field of study, participation in officially recognized activities and sports, dates of attendance, degrees earned, honors and awards received, and the most recent previous educational agency or institution attended by the student. The university will make public information about each student limited to these categories in ways such as those described above. Of course, information from all these categories is not made public in every listing.

Students who do not wish to have their directory information made public without their prior consent must complete a "Request To Prevent or Allow Disclosure of Directory Information" form in the Office of the Registrar.

Family Educational Rights and Privacy Act (FERPA)

Certain personally identifiable information about students ("education records") may be maintained at the Office of the President of the University of North Carolina, which serves the Board of Governors of the university system. This student information may be the same as, or derivative of, information maintained by a constituent institution of the university; or it may be additional information. Whatever their origins, education records maintained at the Office of the President are subject to the federal Family Educational Rights and Privacy Act of 1974 (FERPA).

FERPA provides that a student may inspect his or her education records. If the student finds the records to be inaccurate, misleading, or otherwise in violation of the student's privacy rights, the student may request amendment to the record.

FERPA also provides that a student's personally identifiable information may not be released to someone else unless (1) the student has given a proper consent for disclosure or (2) provisions of FERPA or federal regulations issued pursuant to FERPA permit the information to be released without the student's consent.

A student may file with the U.S. Department of Education a complaint concerning failure of the Office of the President or an institution to comply with FERPA.

The policies of the Office of the President of the University of North Carolina concerning FERPA may be inspected in the office at each constituent institution designated to maintain the FERPA policies of the institution. Policies of the Office of the President may also be accessed in the Office of the Secretary of The University

of North Carolina, Office of the President, 910 Raleigh Road, Chapel Hill, NC 27515-2688.

Further details about FERPA and FERPA procedures at the Office of the President are to be found in the referenced policies. Questions about the policies may be directed to Legal Section, Office of the President, The University of North Carolina, Office of the President Annex Building, 910 Raleigh Road, Chapel Hill, NC (mailing address P.O. Box 2688, Chapel Hill, NC 27515-2688; telephone: 919-962-4588).

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Students who receive a grade of "C" (2.00) or better in a course may not repeat the course but may audit without credit. Students who repeat a course in which they have earned credit or for which transfer credit has been awarded, will have the status changed to audit during the term the course is repeated. Students who wish to have the grade for the course repeat show on their transcripts without the course counting in their credit total or grade point average may arrange this before the end of add/drop by submitting an online Graded Course Audit Registration Form. The form and instructions are available in the Office of the Registrar or online at http://www.uncw.edu/reg.
Students who receive a grade below a "C" (2.00) in a course taken at UNCW may repeat the course at UNCW. For the first three different courses repeated, the previous grade and hours of credit for the repeated course will not be used in calculating the student's grade point average and hours toward graduation. All grades shall remain on the student's transcript.
In interpreting the policy it is to be understood that:

1. the term "first three times" means
1. that the policy is automatically operative for a student the first time that the student repeats a course, and
2. that the three repeats involve three different courses;

2. a student may go beyond three course repeats, but such repeats will not enjoy the privilege of the policy;
3. all students will be able to enjoy the benefits of this policy irrespective of prior course repeat activity;
4. this policy does not govern the repeating of graduate courses (see the Graduate Catalogue for the appropriate policy).

- A student may elect to major in two separate disciplines on the condition that the student meets all requirements for each major. A student who completes 120 hours and all requirements for more than one major in the same baccalaureate program will have only one degree conferred, but all majors will be printed on the transcript. A student who completes 120 credit hours and meets all requirements for majors in different baccalaureate programs may have both degrees conferred. A student may not simultaneously receive two different baccalaureate degrees within the same department (e.g., a B.S. and a B.A. degree).
  A student may not normally receive a second baccalaureate degree in a department in which a degree has been earned previously. An exception may be made only when a department has an established policy regarding the circumstances in which a second degree may be awarded.
  A student who returns to the university after the initial graduation to complete the requirements for a second major may have the additional major added to the official record upon written notification from the department chairperson that all departmental requirements have been met satisfactorily. A new diploma will be issued reflecting the new major and will be subject to the replacement diploma fee.

- A student with a baccalaureate degree from UNCW may receive a second baccalaureate degree in a different major. The student must meet all the requirements for the second degree and major, including 30 hours in residency, at least 15 semester hours in the major at the 300-400 level, and course work that meets the spirit of UNCW's current university studies requirements.

- Students are expected to request the awarding of degrees prior to the conclusion of their current academic program by applying to graduate. An application for graduation must be submitted online by the date specified in the university calendar for the desired graduation term. A diploma fee is added to the student's account at

the time of application.
Students may qualify for the bachelor's degree by completing successfully (1) the university studies requirements, (2) the residency requirement, (3) an approved course of study in an academic major, (4) a minimum of 120 semester hours of credit, and (5) fifty percent (one-half) of the minimum semester hours required in the degree must be earned through enrollment in a regionally-accredited 4-year college or university, and (6) a minimum grade point average of 2.00. Graduation will be certified at the end of the term in which all academic requirements are complete. Upon completion of all requirements, the student will receive the appropriate degree from the following list: Bachelor of Arts, the Bachelor of Fine Arts, the Bachelor of Music, the Bachelor of Science, the Bachelor of Science in Nursing, or the Bachelor of Social Work. In advising and registering students, the deans, the Office of the Registrar and advisors try to make certain that every student who intends to graduate from the university registers for those courses that are required for a degree. The student, however, must assume the final responsibility for meeting the graduation requirements set forth in the university catalogue. All degree requirements must be completed within six years of a student's catalogue.
All graduation requirements must be met before the first day of the subsequent terms, as shown below:

Commencement Participation

A student shall be permitted to participate in the commencement ceremony if the student demonstrates that degree program requirements for graduation are or will be met with the completion of one educational experience (e.g., course, internship, practicum, fieldwork) as defined by their Dean's office or up to 8 credit hours of coursework during the term immediately following the commencement ceremony. Students who meet these requirements must notify the Office of the Registrar by the posted deadline in the semester of their intent to participate in the ceremony. Their names will not be published in the Commencement Program.

To qualify for the bachelor's degree, students must be enrolled in a degree program at UNCW and must have completed: (1) a minimum of 25 percent of the credit hours required for graduation through courses offered at UNCW and (2) 15 semester hours in the major at the 300-400 level. Exceptions to requirement (2) may be made only with the approval of the department chair or school director, and the appropriate dean. Requirement (1) may not be waived.To qualify for the bachelor's degree, students must be enrolled in a degree program at UNCW and must have completed: (1) a minimum of 25 percent of the credit hours required for graduation through courses offered at UNCW and (2) 15 semester hours in the major at the 300-400 level. Exceptions to requirement (2) may be made only with the approval of the department chair or school director, and the appropriate dean. Requirement (1) may not be waived.

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The University of North Carolina Wilmington both encourages and requires intentional pursuit of your degree. In order to remain at the university, all students must meet the requirements outlined below.

Insufficient Academic Progress

An undergraduate is automatically placed on Insufficient Academic Progress if Satisfactory Academic Progress (SAP) is not met. SAP is generally defined as completing 67% of all attempted hours, excluding transfer hours. This is determined by dividing the number of credit hours successfully completed, defined as having earned a D- or better, by the total number of credit hours attempted.

When a student is placed on Insufficient Academic Progress, a notation is placed on the student's transcript. It is important to note that students on Insufficient Academic Progress may not be making timely progress towards degree completion. It is the responsibility of the student to arrange regular meetings with his or her academic advisor or department chair/director to discuss these issues and to consider specific academic intervention strategies.

Students should refer to the Scholarship and Financial Aid (OSFA) section related to Policy on Return of Title IV Funds for information about how Insufficient Academic Progress impacts financial aid eligibility.

Academic Standing Policy

The academic standing policy is designed to keep students on track to degree completion. Academic standing is calculated to determine a student's eligibility to enroll in courses. There are four academic standings: Good, Concerning, Warning,

and Appeal Required. Students will be notified of their academic standing. Academic programming may be required, as per each college's discretion, for students who are not in good standing.

Good

All new students will begin with a standing of Good. Students who earn a 2.000 or higher cumulative GPA will continue to have a standing of Good and may enroll in fall, spring, or summer courses.

Concerning

Students who begin a semester with a standing of Good and earn less than a 2.000 cumulative GPA during that semester will have a standing of Concerning. Students with a standing of Concerning may enroll in fall, spring, or summer courses. Students who begin a semester with a standing of Concerning and earn a cumulative GPA of 2.000 or above will return to Good standing.

Warning

Students who begin a semester with a standing of Concerning and do not earn a cumulative GPA of 2.000 or above will progress to a standing of Warning. Students with a standing of Warning may enroll in fall, spring, or summer courses. Students who begin a semester with a standing of Warning and earn a cumulative GPA of 2.000 or above will return to Good standing.

Appeal Required

Students who begin a semester with a standing of Warning and do not earn a cumulative GPA of 2.000 or above will progress to a standing of Appeal Required and will not be permitted to enroll in courses and any registered courses may be dropped. Students with a standing of Appeal Required who wish to re-enroll must submit an appeal requesting permission to enroll in courses. This appeal will go to a campus-wide Academic Standing Appeal committee that consists of Deans or their delegates, the Director of the Center for Academic Advising, the Director Financial Aid and Scholarships, the Dean of Students, and the Registrar. Students must meet with their advisor to begin the appeal. While appeals will be considered on a rolling basis throughout the year, to enter a specific term, students must submit the appeal 10 business days before the drop/add deadline.

The standings above determine eligibility to enroll in courses at UNCW; however, they do not determine eligibility to enroll in specific programs or colleges.

Readmission

Undergraduate students who left the university in good academic standing for one

fall or spring semester do not need to apply for readmission. For those not enrolled at the university for two or more consecutive, regular semesters (excluding summer), a readmission application is required. Applications for readmission and submission deadlines are available from the Office of Undergraduate Admissions. Readmission to the university does not guarantee readmission to individual academic programs.

Three-year Forgiveness Policy

Any degree-seeking undergraduate student who has not been enrolled at UNCW for three or more years may choose to take advantage of the Three-year Forgiveness Policy. A student must be readmitted and then notify the University of their intention to take advantage of the Three-year Forgiveness policy by the last day of drop/add for the semester in which the student is readmitted. Three-year Forgiveness status, once applied, may not be changed, and will have the following academic consequences:

1. All original coursework attempted is visible on the academic transcript.
2. Any grade of C or higher earned prior to the granting of the Three-year Forgiveness policy will be included in earned credit hours.
3. Any grade of C- or lower earned prior to the granting of the Three-year Forgiveness policy will be excluded from earned credit hours.
4. A failing grade received as a result of a brokered private resolution or adjudicated academic dishonesty shall not be replaced if the course is repeated. A student may not appeal this outcome to any faculty or administrative level.
5. The student's grade point average will be calculated only for those courses taken after the granting of the Three-year Forgiveness policy.
6. The student will retain all Course Repeat and Grade Replacement options.
7. The course withdrawal bank will reset to 16 credit hours.
8. The student will be ineligible for Degrees with Distinction.
9. This policy may only be applied once.

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Students share in the responsibility for maintaining an environment in which the rights of each member of the UNCW community are respected. When asked to report to any university office, a student is expected to appear at the time specified or to arrange another appointment. The university conduct system is a cumulative process; consequently, any student found responsible for violating the *UNCW Code of Student Life* may sanction proportional to the severity of the offense(s) and/or related to being found responsible on multiple occasions. All students and their guests shall be responsible for conducting themselves in a manner that helps to

enhance an environment of learning in which the rights, dignity, and freedom of each member of the academic community are respected.
In accordance with the Family Educational Rights and Privacy Act (FERPA), upon full participation in university orientation, an individual is considered a UNCW student in attendance and shall maintain that status unless an official university withdrawal is submitted. Students with pending academic or non-academic charges will not be allowed to formally withdraw from the university until the disciplinary process has been completed.

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UNCW is committed to maintaining a positive learning and working environment for students, faculty, and staff. The University prohibits Sex/Gender-Based Harassment, to include sexual assault, sexual exploitation, sexual violence, stalking, and complicity in the commission of any act prohibited by this policy. These offenses are unlawful, undermine the character and purpose of the University, and will not be tolerated. The Student Gender-Based/Sexual Misconduct Policy reflects UNCW's continued commitment to provide a safe and non-discriminatory environment for all members of our campus community consistent with the provisions of applicable local and federal laws. The *Student Gender-Based/Sexual Misconduct Policy* is available in hard copy at the Office of Title IX and Clery Compliance in DePaolo Hall Room 1003 and online at: http://uncw.edu/policies/documents/04130StudentGenderBasedSexualMisconductPolicy.pdf.

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Supplementary Math Credit

Students who complete MAT 161 with a grade of "C" (2.00) or better and who receive no advanced placement credit, no transfer credit, and no prior credit at UNCW in mathematics will receive credit for MAT 112. Students who complete MAT 162 with a grade of "C" (2.00) or better and who receive no advanced placement credit, no transfer credit, and no prior credit at UNCW in mathematics will receive credit for MAT 161. Students who complete MAT 261 with

a grade of "C" (2.00) or better and who receive no advanced placement credit, no transfer credit, and no prior credit at UNCW in mathematics will receive credit for MAT 161 and MAT 162.

Supplementary World Language Credit

Students who complete, with a grade of "C" (2.00) or better, a French, German, Japanese, Latin, Portuguese or Spanish course numbered 201 or higher (excluding literature and culture classes taught in English) shall be granted supplemental credit as follows:

· For completion of a 200-level course, student will receive 3 credit hours for the prior course in the sequence. For completion ofSPN 215, students will receive 3 credit hours forSPN 201.

· For completion of a 300-level course in French, German, Latin or Spanish, student will receive 6 credit hours for 201 and 202.

· For completion ofSPN 315, students will receive 6 credit hours forSPN 201andSPN 215.

This credit may be used to fulfill university studies requirements."

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Transcripts are permanent student records maintained by the Office of the Registrar. A transcript provides an unabridged chronological listing of the academic history of a student's study at the University of North Carolina Wilmington. This document is forwarded at the request of the student or former student to persons or agencies for their use in reviewing the academic performance of the student.

The Office of the Registrar issues transcripts to students. Currently enrolled students may request their transcript through mySeaport. Former students may request their transcript through the online ordering portal. Valid picture ID is required for personal pick up of printed transcripts. The fee for each transcript is $8.00 plus delivery costs.

Unless modified in accordance with established procedures, each grade assigned by faculty (including a grade of "W" or a grade in a course that has been repeated) is permanent and cannot be removed from a student's official record or transcript.

- Students may be permitted to earn credits toward degree requirements at UNCW through course work at other regionally-accredited two- and four-year colleges and universities in the United States and abroad, as well as through distance education. To receive permission, a student must submit an online "Permission for Transient Study" request and obtain the approval of his/her department chairperson (or the dean of University College) prior to registering for the course(s). The online transient study request link and instructions are available at http://www.uncw.edu/reg/transfercredit-transStudy.htm. The permission form must be on file in the Office of the Registrar prior to the student's leaving campus. Any exception to the residency requirement requires the signature of the department chair and dean. See also Residency Requirement.

- Students transferring to UNCW from another accredited college or university will submit their transcripts to the Office of Admission as part of the application process. Transfer credit may be accepted from institutions accredited by the following bodies:
  - Southern Association of Colleges and Schools Commission on Colleges (SACSCOC)
  - Accrediting Commission for Community and Junior Colleges (ACCJC)
  - Higher Learning Commission (HLC)
  - Middle States Commission on Higher Education (MSCHE)
  - New England Commission of Higher Education (NECHE)
  - Northwest Commission on Colleges and Universities (NWCCU)
  - Western Association of Schools and Colleges (WASC)

- In defining a credit hour, UNC Wilmington recognizes the University of North Carolina policy on scheduled instructional time or equivalent per credit hour and the Federal definition and Carnegie unit recommendations.
  1. For courses taught in a traditional classroom format, a credit hour is normally granted for completion of at least one 50 minute session of classroom instruction per week for 15 weeks, or the equivalent time per semester, and a minimum of 2 hours per week for 15 weeks of out-of-class student work, or the equivalent time per semester.
  2. Alternatively, a credit hour may be granted for at least an equivalent amount of work as required in item 1 above for other academic activities or instructional

modes of delivery, such as distance education, blended distance and face-to-face instruction, laboratory work, internships, practica, studio work, and other academic work leading to the award of credit hours.
https://uncw4.sharepoint.com/Shared%20Documents/Web/aa/credithourdefinitionpolicy.pdf

- A student may drop any or all courses without academic penalty through the posted drop-add period for the academic term. Any student who withdraws from the university or from individual courses by the withdrawal deadline will receive a grade of "W" for each course withdrawal. A grade of "W" will not affect the student's grade point average. After the posted withdrawal deadline, a grade of "WF" will be assigned for each course withdrawal and will count as GPA hours. If a student is suspended after the deadline for withdrawal with a "W," each instructor shall assign a grade of "WF" or "W" based upon the student's academic performance prior to the suspension. Excluding course withdrawals due to extenuating circumstances, students are limited to a maximum of 16 hours of course withdrawals. After the initial 16 credit hour threshold has been exhausted, students will be required to remain in the course and subject to the grade earned at the conclusion of the semester. Full term withdrawals will not count towards a student's 16-hour course withdrawal threshold.
  A student may withdraw from an individual class or classes by the withdrawal deadline via MySeaport - Students or by reporting to the Office of the Registrar before or on the last day for withdrawal, as indicated in the university calendar. Students participating in abbreviated terms need to be cognizant that the withdrawal period may be very brief. All students should carefully note the last day to withdraw from classes as found in the university calendar.
  To withdraw from all classes and the university at any other time during the semester, the student must submit a full term withdrawal request via mySeaport. No withdrawals ("W" or "WF") shall be processed during the final exam period. Refer to the Expenses section of this catalogue for information on the refund policy for complete withdrawal.
  Should extenuating circumstances warrant, the grade of "WF" assigned for course withdrawals after the withdrawal deadline may be changed to a '"W". Documented extenuating circumstances may include: death of an immediate family member; traumatic and unforeseen circumstances that are considered beyond a student's

control; serious emotional instability, physical injury or illness that has resulted in the student's inability to complete academic responsibilities in a given term. Students should note that poor standing in a course does not constitute an extenuating circumstance in and of itself. Withdrawals due to extenuating circumstances are still subject to all financial aid and SAP rules and calculations. It is the student's responsibility to initiate an appeal for this change by submitting a written request and supporting written documentation. The student must initiate the appeal with the associate dean who oversees the student's major or Center for Academic Advising director, as appropriate. The Center for Academic Advising may approve or deny this request for a "W." In cases where the request is denied, the student may submit, *within ten regular class days of the dated decision*, a written request for consideration with supporting documentation to the Committee on Withdrawal Appeals. *Grounds for appeals are limited to substantive new evidence or material procedural irregularity*. All decisions made by the Committee on Withdrawal Appeals are final. The written request with supporting documentation must be made as soon as possible after circumstances requiring the withdrawal. At the latest, by the last day of classes in the semester following the one for which the withdrawal is requested. A grade of "WF" that is not appealed successfully remains a permanent part of the student's academic record.

Students should refer to the Scholarships and Financial Aid section related to Policy on Return of Title IV Funds for information about how dropping or withdrawing impacts financial aid eligibility.

Academic Honor Code

The University of North Carolina is a community of high academic standards where academic integrity is valued. UNCW students are committed to honesty and truthfulness in academic inquiry and in the pursuit of knowledge. Any member of the university community who has reasonable grounds to believe that an infraction of the Student Academic Honor Code has occurred has an obligation to report the alleged violation. This obligation is a core value of the Honor Code and must be fulfilled by each and every member of the university.

Academic dishonesty takes many forms, from blatant acts of cheating, bribery, or similar misdeeds to the more subtle forms of plagiarism, all of which are totally unacceptable in an institution of higher learning. Reporting and adjudication

procedures have been developed to enforce the policy of academic integrity, to ensure justice, and to protect individual rights. Complete details may be found in the Student Academic Honor Code (03.100 Academic Honor Code | UNCW) and the Faculty
Handbook (https://www.uncw.edu/facsen/documents/Faculty_Handbook.pdf).

Academic Honor Societies

A list of academic honor societies with verified chapters at UNCW may be found at https://www.uncw.edu/aa/Academic_Honor_Societies.html
Also see:

Student Awards

Some of the organizations listed below are registered with the university through the Campus Activities & Involvement Center as student organizations. For more information about those honor societies, please visit https://uncw.campuslabs.com/engage/organizations

A. Farrell Teague Merit Scholarship for Rising Seniors (Junior)

The Teague Scholarship was created by Arthur Farrell Teague and is used to assist rising seniors who have achieved a high level of academic and extracurricular success during their time at UNCW. Every year a recipient is chosen as the recipient of "The Teague Award." The scholarship is considered a merit scholarship and the recipient will be selected on demonstrated academic ability and special achievement, and must have a comprehensive GPA above 3.5. The scholarship is presented annually at the Division of Student Affairs Cornerstone Awards Banquet.

Adrian D. Hurst Award

Established by Adrian D. Hurst, emeritus professor of mathematics, this award recognizes a UNCW junior or senior math major who has achieved the highest overall academic grade point average. The award is presented each spring in the form of a plaque.

Biological Sciences Achievement Award

This award was established by the faculty of the Department of Biology and Marine Biology to honor annually the graduating senior biology major who has achieved the highest academic standing. The recipient is identified on a permanent plaque in Friday Hall.

Distinguished Engagement Award (Junior or Senior)

The Distinguished Engagement Award is presented to a select group of junior, senior, and transfer students who have made a significant contribution to UNCW over the course of their undergraduate experience. Recipients must be in good standing with the university and possess a minimum cumulative GPA of 2.75. The award is presented annually at the Division of Student Affairs Cornerstone Awards Banquet.

Excellence in Engagement Award (Sophomore or Junior)

The Excellence in Engagement Award is presented to a select group sophomore, junior, and transfer students for outstanding contributions to improving the quality of student life during their time at UNCW. Recipients must currently be in good standing with the university and possess a minimum cumulative GPA of 2.75. The award is presented annually at the Division of Student Affairs Cornerstone Awards Banquet.

Hoggard Medal For Achievement

"The Hoggard Medal" presented through the generosity of the late Dr. John T. Hoggard, is awarded annually to one graduating senior who, in the opinion of the faculty, has shown the most improvement during their years at the university. The award is presented annually at the Division of Student Affairs Senior Excellence Luncheon.

Margaret Walthour Lippitt Scholarship

The New Student Leader Award is designed to honor a first-year student with a 3.00 GPA or higher who has demonstrated leadership potential, service to UNCW and the community, personal integrity, and significant involvement in campus organizations. The scholarship is presented annually at the Division of Student Affairs Cornerstone Awards Banquet.

Martha M. Duncan Scholarship (Sophomore or Junior)

The Martha M. Duncan Scholarship is presented to one sophomore or junior student. The recipient must be in good standing with the university and possess a minimum cumulative GPA of 3.00. The recipient serves as a "LEAD Fellow" for Student Involvement and Leadership in the department of Campus Life for their scholarship year. The scholarship is presented annually at the Division of Student Affairs Cornerstone Awards Banquet.

Rachel Freeman Service Leadership Award

The Freeman Award, established in honor of the late Mae "Rachel" Freeman, is given to a senior

with a cumulative GPA of 2.67 who has demonstrated commitment to bettering the lives of others, leading through examples of service, and the ability to work with others to create social change. The award is presented annually at the Division of Student Affairs Senior Excellence Luncheon.

Pat Leonard Senior Medallion Award (Seniors Graduating in May or December)

The Pat Leonard Senior Medallion Award is the most prestigious award presented by the Division of Student Affairs on behalf of the university community. The award was renamed in 2021 to honor Pat Leonard, the late Vice Chancellor for Student Affairs, and her 37 years of exemplary service to UNCW. Recipients must be in good standing with the university and possess a minimum cumulative GPA of 3.0. The award is presented annually at the Division of Student Affairs Senior Excellence Luncheon.

The Carolyn Elizabeth (Lizzy) Duffy Student Sustainability Award

The Duffy Student Sustainability Award is presented to one student who has been at UNCW at least one semester during the academic year. The recipient must be in good standing with the university and have a minimum 3.0 GPA. The Carolyn Elizabeth (Lizzy) Duffy Student Sustainability Award was created in March of 2015 to honor the efforts of Lizzy, particularly for spearheading the proposal for The Green Initiative Fund, which brought support, resources and visibility to sustainability at UNCW. The scholarship is presented annually at the Division of Student Affairs Cornerstone Awards Banquet.

The Walter Schmid Physics Award

This award has been established in honor of the late Walter Schmid, engineer and inventor, to reward a senior bachelor of science physics major for excellence in physics. The award consists of an engraved plaque and a physics encyclopedia.

UNCW Laureate Award (Sophomore or Junior)

The UNCW Laureate Award, inspired by the Nobel Peace Prize, is presented to one sophomore or junior student. The recipient must be in good standing with the university and possess a minimum cumulative GPA of 3.00. The scholarship is presented annually at the Division of Student Affairs Cornerstone Awards Banquet.

William A. Bryan Senior Leader Award

Student Involvement and Leadership in the department of Campus Life, with the support of the Alumni Association, sponsors the William A. Bryan Senior Leader Award. The award is given to a senior with a cumulative GPA of 3.00 who has demonstrated outstanding leadership on campus and/or in the community. Special emphasis is placed on integrity, creativity, ability to collaborate,

and service to others. The award is presented annually at the Division of Student Affairs Senior Excellence Luncheon.

Honor Societies at UNCW

Beta Alpha Psi

Beta Alpha Psi is a national scholastic and professional accounting fraternity. The primary objective of the fraternity is to encourage and give recognition to scholastic and professional excellence in the field of accounting. This includes promoting the study and practice of accounting; providing opportunities for self-development and association among members and practicing accountants; and encouraging a sense of ethical, social, and public responsibility.
Beta Alpha Psi was founded in 1919. The Iota Alpha chapter at UNCW was chartered in 1996 and is a registered student organization through the Campus Activities and Involvement Center.

Beta Beta Beta National Biological Honor Society

Beta Beta Beta (TriBeta) is a society for students, particularly undergraduates, dedicated to improving the understanding and appreciation of biological study and extending boundaries of human knowledge through scientific research. Since its founding in 1922, more than 175,000 persons have been accepted into lifetime membership, and more than 430 chapters have been established throughout the United States and Puerto Rico. TriBeta is a registered student organization through the Campus Activities and Involvement Center.

Gamma Sigma Epsilon

Gamma Sigma Epsilon, a national honorary chemical society, was founded at Davidson College on December 19, 1919. The society recognizes academic excellence in chemistry and fosters a more comprehensive and cooperative study of chemistry and related scientific disciplines. The organization now has 35 active chapters in 22 states, and is growing rapidly. The Alpha Epsilon chapter was established at UNCW in 2001. Eligibility for membership includes junior or senior standing, a 3.35 GPA on at least 30 hours of chemistry courses, and a 3.35 GPA.

Kappa Delta Pi International Honor Society in Education

Kappa Delta Pi International Honor Society in Education is committed to recognizing excellence and fostering mutual cooperation, support, and professional growth for educational professionals.

Lambda Pi Eta Honor Society

Lambda Pi Eta is the official communication studies honor society of the National Communication Association (NCA). As a member of the Association of College Honor Societies (ACHS), LPH has over 400 active chapters at four-year colleges and universities worldwide. LPH was founded in 1985 at the University of Arkansas. LPH became a part of the National Communication Association (NCA) in 1988, and the official honor society of the NCA in July 1995. LPH is a registered student organization through the Campus Activities and Involvement Center.

Omicron Delta Epsilon Economics Honor Society

Omicron Delta Epsilon was founded by Professor John R. Commons at the University of Wisconsin in 1915. Its objectives include conferring distinction for high scholastic achievement in economics and stimulating and promoting student interest in all aspects of economics. ODE is a registered student organization through the Campus Activities and Involvement Center.

Omicron Delta Kappa Society, Inc.

Omicron Delta Kappa (ODK) is the National Leadership Honor Society that recognizes and encourages superior scholarship, leadership, and exemplary character. Membership in ODK is a mark of the highest distinction and honor.
The society recognizes achievements in scholarship; athletics; campus or community service; social, religious activities, and campus government; journalism, speech and mass media; and the creative and performing arts. Emphasis is placed on the development of the whole person, both as a member of the college community and as a contributor to a better society. ODK is a registered student organization through the Campus Activities and Involvement Center.

Order of Omega

Order of Omega is a leadership honor society for members of Greek-letter organizations. Order of Omega recognizes juniors and seniors who have exemplified high standards in the areas of scholarship, leadership, involvement within their respective organization, and within the Greek, campus, and local communities. Members are selected from the top 3 percent of fraternity and sorority members at each institution. To date, over 500 chapters have been chartered throughout North America, each sharing the common goal of recognizing the many outstanding student leaders at their institution.

Phi Alpha National Honor Society in Social Work

Phi Alpha is a nationally recognized honor society for both undergraduate and graduate students majoring in social work. Founded in 1960, Phi Alpha now includes over 225 chapters. The Eta Omega Chapter of Phi Alpha was established at UNCW in 1998. The society recognizes students for excellence in scholarship and achievement in the field of social work. Eligibility for membership

requires students to major in a CSEW-accredited social work program, have completed 9 semester hours of social work courses, achieved a minimum social work GPA of 3.25, and a minimum overall GPA of 3.00. Phi Alpha is registered as a student organization through the Campus Activities and Involvement Center.

Psi Chi National Honor Society in Psychology

Psi Chi is the national honor society in psychology. It was founded in 1929 in New Haven, Connecticut, to encourage, stimulate and maintain excellence in scholarship, and to advance the science of psychology. Psi Chi is an affiliate of the American Psychological Association and a member of the Association of College Honor Societies. The University of North Carolina Wilmington Chapter of Psi Chi was chartered on May 1, 1981, and is one of approximately 675 chapters nationwide. Psi Chi is registered as a student organization through the Campus Activities and Involvement Center.

A further list of academic honor societies with verified chapters at UNCW may be found at https://www.uncw.edu/aa/Academic_Honor_Societies.html

Chancellor's List and Dean's List

Each semester, outstanding scholarship is recognized in the following tiered manner:

Chancellor's List

The Chancellor's List is composed of the names of all full-time undergraduates who earn a 4.0 semester GPA on all work taken. Eligibility for this designation will be determined once all grades for the semester have been posted and any incomplete or IP grades have been converted.

Dean's List

The Dean's List is composed of the names of all full-time undergraduates who earn at least a 3.5 semester GPA on all work taken with no grades "B-" or below. Eligibility for this designation will be determined once all grades for the semester

have been posted and any incomplete or IP grades have been converted.

Academic Standing and Accreditation

The University of North Carolina Wilmington (UNCW) is accredited by the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC) to award bachelor's, master's and doctoral degrees. Degree-granting institutions also may offer credentials such as certificates and diplomas at approved degree levels. Questions about the accreditation of UNCW may be directed in writing to the Southern Association of Colleges and Schools Commission on Colleges at 1866 Southern Lane, Decatur, GA 30033-4097, by calling (404) 679-4500, or by using information available on SACSCOC's website (www.sacscoc.org).

The Watson College of Education is accredited by the National Council for Accreditation of Teacher Education. The School of Nursing is accredited by the Commission on Collegiate Nursing Education. The Cameron School of Business is accredited by the Association to Advance Collegiate Schools of Business International.

The University also holds membership in the Association of American Colleges and Universities, the American Placement Council, the Consortium for Oceanographic Research and Education, the Council for Advancement and Support of Education, the Council of Graduate Schools, and the Association of Public and Land-Grant Universities. It is on the list of schools approved by the American Chemical Society and is an accredited institutional member of the National Association of Schools of Music. The parks and recreation management curriculum is accredited by the Council on Accreditation for Recreation, Park Resources, and Leisure Services. The athletic training education program is accredited by the Commission on Accreditation of Athletic Training Education. The master's degree in psychology concentration in applied behavior analysis is designated as an approved course sequence by the Behavior Analyst Certification Board, Inc., and the concentration in substance abuse treatment is designated an approved course sequence by the North Carolina Substance Abuse Professional Practice Board. The Master of Public Administration program is accredited by the National Association of Schools of Public Affairs and Administration. The bachelor's and master's degree programs in social work are accredited by the Council on Social Work Education.

Those wishing to review accreditation and certification documents should contact

the provost's office.

Advising

Students and their advisors confer when necessary, but they must confer at least once before every registration period to review goals, plans for achieving them, and any problems encountered or anticipated. Students have the responsibility to understand and meet the requirements for the curriculum under which they are studying and should seek advice as appropriate.
For more information, please see (https://uncw.edu/academics/advising/advising-center/)
The Center for Academic Advising is the first academic home for all first-year and undeclared transfer students. Support is provided for specific student populations including pre-professional, military, early college, first-year spring admits, and students between majors. Academic advising, curricular programs, and a number of academic support programs are provided by the Center for Academic Advising staff. The Center for Academic Advising is dedicated to providing assistance and support for new students as they transition into the academic environment. Pre-professional student support is co-sponsored between the Center for Academic Advising and the College of Health and Human Services. Pre-professional student support is available for all students and alums looking to pursue graduate and professional degrees in health sciences and law.

Center for Academic Advising

Academic advising is essential to a successful educational experience. Our rich general education program, University Studies, provides our students with a strong academic foundation to build upon as they pursue their major and career interests. Center for Academic Advising advisors work with students to support their transition into a new academic environment. First-Year and undeclared transfer students declare their major once they have fulfilled academic requirements based on their major.
Students are advised by a professional advisor who provides students with guidance and encouragement in selecting courses and deciding on majors, meeting academic

requirements, maintaining required scholastic standards, and considering possible career choices. Advisors meet with students whenever needed, however; it is mandatory for students to meet with their advisor at least twice in the first semester and to support student academic transition and course registration.
Center for Academic Advising advisors provide referrals to various specialized support services within the university to assist students in overcoming personal and academic difficulties, exploring academic options, and achieving academic and personal success. Advisors also monitor their students' mid-semester academic progress and end-of-semester grades. Advisors provide students with critical and timely information related to academic policies, procedures and regulations. Students are encouraged to read all communications from their advisor and the Center for Academic Advising. The Center for Academic Advising implements several intervention programs to help students recover from academic difficulty to regain academic eligibility.

Center for Academic Advising Curriculum

The Center for Academic Advisingoffers a number of credit-bearing courses that support students in making a successful adjustment to college life, developing academic skills, and enriching their educational experience:UNI 101 First-Year Seminar,UNI 201 Transfer Seminar
First-Year Seminar [[permalink=1398|tooltip:{'title':1}]]%prefix% %code%[[/permalink]]
The First-Year Seminar is a graduation requirement taken by all First Year students in their first semester of enrollment. The course provides incoming First year students with skills, strategies, resources, and information necessary to make successful academic, personal, and social transitionto UNCW.The learning outcomes of this course assist students in making a successful adjustment to university life, developingeffective academic strategies and problem solving skills, enhancing information literacy competency, establishing an academic plan, and engaging in career exploration. The small class size allows for mentor relationships with instructors and academic advisors.
Transfer Seminar [[permalink=3119|tooltip:{'title':1}]]%prefix% %code%[[/permalink]]
The Transfer Seminar is a 3 credit, elective seminar-style course that supports

transfer students in their transition to UNCW. Students earn 6 hours towards graduation – 3 hours of Information Literacy and 3 hours of Explorations Beyond the Classroom. UNI 201 is only open to transfer students in their first semester (fall or spring) at UNCW. Students will leave UNI 201 with an academic and career plan; a résumé and cover letter; academic strategies and skills; knowledge of campus resources, opportunities, and policies; library and research skills; and community with other transfer students, advisors, and peer mentors.
See also:

- [[permalink=4225|new:{'title':1,'description':1}]][[/permalink]]
- [[permalink=4208|new:{'title':1}]][[/permalink]]
- [[permalink=1007|new:{'title':1}]][[/permalink]]

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Auditing

The auditing of courses without credit is approved by special permission of the Office of the Registrar and of the instructor involved. Students who are approved as auditors may enroll in the course if space is available on the first day of classes. Individuals not regularly enrolled as students in the university who wish to audit courses will be classified as special students and will be required to pay regular tuition and fees, unless otherwise exempted. Enrolled students are permitted to audit courses and must pay the same tuition and fees as required in courses where credit is earned. Courses taken as an Audit will not count towards the calculation of a student's full-time academic status. See also
Students who receive a grade of "C" (2.00) or better in a course may not repeat the course but may audit without credit. Students who repeat a course in which they have earned credit or for which transfer credit has been awarded, will have the status changed to audit during the term the course is repeated. Students who wish to have the grade for the course repeat show on their transcripts without the course counting in their credit total or grade point average may arrange this before the end of add/drop by submitting an online Graded Course Audit Registration Form. The form and instructions are available in the Office of the Registrar or online at http://www.uncw.edu/reg.
Students who receive a grade below a "C" (2.00) in a course taken at UNCW may repeat the course at UNCW. For the first three different courses repeated, the previous grade and hours of credit for the repeated course will not be used in

calculating the student's grade point average and hours toward graduation. All grades shall remain on the student's transcript.

In interpreting the policy it is to be understood that:

1. the term "first three times" means
1. that the policy is automatically operative for a student the first time that the student repeats a course, and
2. that the three repeats involve three different courses;
2. a student may go beyond three course repeats, but such repeats will not enjoy the privilege of the policy;
3. all students will be able to enjoy the benefits of this policy irrespective of prior course repeat activity;
4. this policy does not govern the repeating of graduate courses (see the Graduate Catalogue for the appropriate policy).

Students enrolled in a special topics course for a grade replacement must enroll in the same topic for which they originally received an unsatisfactory grade. Grades earned in repeated courses will not be used to replace grades earned as part of a degree once it has been conferred.

Note: A failing grade received owing to admitted or adjudicated academic dishonesty shall not be replaced if the course is repeated. Both the penalty grade and the new grade shall appear on the student's transcript and count in the student's grade point average. A student may not appeal the policy stated in this paragraph to any faculty or administrative level.

. Students are encouraged to consult the

The primary mission of the Office of Scholarships & Financial Aid (OSFA) is to assist prospective and currently enrolled students and their families in securing the most suitable financial aid as the student pursues a degree or teaching certificate at UNCW. Through our outreach efforts, we support the University's mission, including the commitment to public service and the encouragement of access to college. To this end, we administer federal, state and institutional student financial aid programs in excess of $100M to assist UNCW students.

Eligibility for the majority of our programs is determined using the U.S. Department of Education's Federal Methodology.

UNCW offers assistance in the form of scholarships, grants, loans, and Federal Work-Study jobs or a combination of these programs. For most graduate students, federal student loans are the primary source of financial assistance. Students are encouraged to file the Free Application for Federal Student Aid (FAFSA) every October 1st to receive priority consideration for aid. Aid funds are disbursed to

the students' account at the beginning of each semester. Aid will continue to be disbursed through the rest of the semester as student's financial aid files become complete. Refunds for overpayments of aid are processed regularly for students who have a credit balance. In order to receive a refund, the student needs to access the Student Accounts website to set up for e-refund to ensure there is no refunding delay. Contact Student Accounts at (910) 962-4281 with any questions about refunds.

To apply for Federal or State financial aid or institutional need-based aid, degree-seeking and teacher certificate students must submit a FAFSA. Some students must submit other documentation as requested by the OSFA. To receive federally-funded financial aid, students must be making satisfactory academic progress as determined by the OSFA; be a U.S. citizen or eligible non-citizen; and meet other criteria as specified by the U.S. Department of Education including at least half-time enrollment status. Questions concerning financial aid at UNCW should be directed to the OSFA. The office is located in the Warwick Center.

Office: (910) 962-3177 **FAX**: (910) 962-3851

Office of Scholarships & Financial Aid Website

Office of Scholarships & Financial Aid questions: e-mail: finaid@uncw.edu

Veterans Services questions: **e-mail**: veterans@uncw.edu

Student Accounts & Cashier's Office: Student Acocunt Information

Graduate Enrollment Status for Financial Aid Purposes

For financial aid purposes, the following definitions apply for determining graduate enrollment status during the academic year (fall, spring and summer semesters), but this could be assessed differently by external areas like U.S. Department of Veteran's Affairs:

Enrollment Status	Graduate Level Credit Hours*
Full time	9 or more
3/4 time	6.0 - 8.5
1/2 time	4.5 - 5.5
Less than 1/2 time	0 - 4.0

*Number of credit hours in which the student is enrolled at the end of the drop/add period. Students enrolled in a master's program must be earning credit hours in a

qualified program in order to be eligible for financial aid. Note: a student may also be considered full-time when enrolled for less than nine hours if one of several conditions are met. See full-time status under the Academic Regulations and Procedures section.

Graduate students must be enrolled at least half-time in graduate-level courses to qualify for most financial aid programs.

Total credit hours for all summer sessions are used to define enrollment status in summer semester for financial aid purposes.

In order to receive a refund in the first session of Summer School, graduate students must be registered for at least 4.5 hours during Summer I. If the student registers for 3 hours in each session, the refund will not be available until the first day of class of the second session. All students, including graduate students, must be attending at least half-time prior to a refund being issued.

Classes may be held until Summer II aid is applied to your account. Students are responsible for book money and living expenses until Summer II classes start at the end of June.

Students who need summer school aid must complete a summer school application available at www.uncw.edu/finaid after March 1. In order to have summer school aid processed in time to hold classes, the application must be received no later than one week prior to the start of the session you are attending.

The OSFA provides financial aid outreach to educate prospective and currently enrolled students on the financial aid process and on how to manage loans. For more, contact our office or join our Chat Tuesday financial literacy programming offered year-round: https://uncw.edu/seahawk-life/money-matters/financial-aid.

because auditing courses may influence Federal Financial Aid.

See also:

Auditing allows a student to enroll and attend a class without receiving academic credit. Audited curses do not count towards full-time status, loan deferment, or financial aid eligibility. Audit students pay regular tuition and fees for audited classes. Current UNCW students, faculty, and staff who wish to audit a class should complete the online Application for Audit/Graded Audit Courses through the Office of the

Registrar: https://uncw.edu/myuncw/academics/registrar/students/registration/graded-audit-course.

Applicants who are not current UNCW students, faculty, or staff can apply online through the UNCW Application for Audit and Senior Citizen Audit Students.
The Spring application will open on November 1 and close on the first day of classes. The Summer and Fall application will open on April 1 and close on the first day of classes. In addition to the application, applicants must submit the non-refundable application fee. If admitted, students will need to request an audit through the Office of the Registrar.
For more information, visit https://uncw.edu/admissions/undergraduate/non-degree/auditing.

Cancellation of Course Registration Policy

An instructor of any course may cancel a student's registration in his/her course if the registered student fails to attend the first class meeting of the term and fails to notify the instructor of his/her desire to remain enrolled within 24 hours of the class meeting time. Student appeals resulting from emergencies or other extenuating circumstances will be considered on a case-by-case basis by the appropriate department chair/school director. Students who wish to drop or withdraw from a class should not assume they have done so by not attending the first class or subsequent classes.
The appropriate dean's office should notify the relevant department chairperson of late-arrival students who cannot attend the first class meeting because of illness or other reasons approved by a dean of the college or the professional schools.
If an instructor takes cancellation action, the registration openings resulting from this action will be offered to students seeking enrollment in the courses during the official drop/add period.

Change of Major or Minor

All declarations of majors, double majors, and/or minors, as well as any changes to degree programs shall be made through the Major Declaration/Curricular Updates system. Students are advised to consult with their advisor in the original major before changing majors.

Change of Name, Address, or Telephone

It is the obligation of every student to notify the Office of the Registrar in writing of any change in name. Documentation in the form of a government-issued identification (such as valid driver's license or voter registration card) plus a photo identification is required for name changes.
Change of address and telephone may be updated by way of the student information system through mySeaport.

Class Attendance

Students are expected to be present at all regular class meetings and examinations for the courses in which they are registered. All faculty members are responsible for setting policy concerning the role of attendance in determining grades for their classes. It is the responsibility of the students to learn and comply with the policies set for each class for which they are registered.
An instructor of any course may cancel a student's registration in his/her course if the registered student fails to attend the first class meeting of the term and fails to notify the instructor of his/her desire to remain enrolled withing 24 hours of the class meeting time. Student appeals resulting from emergencies or other extenuating circumstances will be considered on a case-by-case basis by the appropriate department chair/school director. Students who wish to drop or withdraw from a class should not assume they have done so by not attending the first class or subsequent classes.
North Carolina General Statute 116-11(3a) and UNC policy authorize a minimum of two excused absences each academic year for religious observances required by the faith of a student. Students must submit a request for an excused absence, within MySeaport - Students, seven days prior to the religious observance. The student shall be given the opportunity to make up any tests or other work missed due to an excused absence for a religious observance.

Classification of Students

Students are classified as freshmen, sophomores, juniors, and seniors. Semester hours passed are used to determine these classifications. In order to graduate in eight semesters, a student must average 30 hours each year.

The required number of hours passed for each classification is as follows:

Less than 30 semester hours credit	-	Freshman
From 30-59 semester hours credit	-	Sophomore
From 60-89 semester hours credit	-	Junior
More than 89 semester hours credit	-	Senior

Code of Student Life

The *Code of Student Life* is the primary source of information regarding the rights, responsibilities, and expected levels of conduct of students in the university community. The *Code of Student Life* is available in hard copy at the Office of the Dean of Students and online at www.uncw.edu/cosl.

Conversion from Unclassified Status

An unclassified student who has not previously attended another college or university and has met all requirements for admission as a degree candidate may apply to the Office of Admissions to convert to degree status upon completing a minimum of 15 credit hours with a "C" (2.00) average or better on all work attempted. These minimum 15 credit hours must include ENG 101 and three hours of basic mathematics with a grade of "C" (2.00) or better in each of these courses.
An unclassified student who has previously attended another college or university and has met all requirements for admission as a degree candidate may apply to convert to degree status if the student has completed ENG 101 and three hours of basic mathematics with a "C' (2.00) or better in each of these courses and if the student has achieved a grade point average of at least 2.00 on all work attempted at all institutions attended.
Unclassified students intending to pursue a degree are advised to apply for degree status prior to the application deadline established for the semester. Acceptance into certain degree programs will depend on the student's prior college performance.
See also section on Degree Programs and Requirements in this catalogue.

Credit for Prior Learning

Credit for Prior Learning provides transfer credit in recognition of previously completed academic and non-academic college level learning. There are several methods of receiving UNCW credit for academic work previously completed or for acquired but academically uncredited knowledge and experience. The categories of credit that may be granted include:

- Transfer Credit from a 2-year or 4-year College or University
- Examination
- Military Education and Training
- Certification or Licensure
- Industry or Corporate Experience
- Portfolio Assessment

Transfer Credit from a 2-year or 4-year College or University

Students transferring to UNCW from another accredited college or university submit their transcripts to the Office of Admission as part of the application process. Credit will be awarded for all transferable courses earned at another institution for which a grade of C or better is earned and all official agreements will be followed (e.g. Comprehensive Articulation Agreement). Students may submit an appeal of their transferred credits through the Registrar's Office. To graduate, students must meet the university's Residency Requirement (see policy). Hours attempted, and grade points earned at other institutions are not used in calculating grade point averages.Transfer credit is used in evaluating eligibility for "Degrees with Distinction." Colleges and Schools may have more restrictive limits based on the needs of the degree programs as published in thecatalogue.

Examination

Credit by examination is available at UNCW for undergraduate students in the following circumstances:

1. Advanced Placement Exam: Students may receive credit by examination for achieving acceptable scores on a variety of Advanced Placement exams offered through the College Entrance Examination Board. A website listing of the examinations, required minimum scores, course equivalents, and credits awarded is available online athttp://www.uncw.edu/reg/transfercredit-examAP.htm. Incoming students should have the score reports sent to the Office of Admissions for evaluation concerning placement and credit. Individual departments have determined the specific courses for which credit will be given.
1. International Baccalaureate Exam: Students may receive credit by examination for achieving acceptable scores on the "High Level" International Baccalaureate (HL IB) examinations. A student who earns the minimum required score or better on the International Baccalaureate examinations will receive appropriate college credit. A website listing of the examinations, required minimum scores, course equivalents, and credits awarded is available online athttp://www.uncw.edu/reg/transfercredit-examHLIB.htm. Incoming students should have the score reports sent to the Office of Admissions for evaluation concerning placement and credit. Individual departments have determined the specific courses for which credit will be given.
1. AP and IB Exam Credit Revocation: Students can revoke Advanced Placement and International Baccalaureate credits earned in high school with approval from a Dean or designee of the student's College unless a higher- level course for which it is a prerequisite has been successfully completed. Students who choose to revoke credit for a course may not subsequently receive credit by examination for that course. The decision to revoke credit is final and students must consult with their academic adviser before making the request.
1. College Level Examination Program (CLEP): Students may receive credit for a variety of courses by achieving a passing score on one of the College-Level Examination Program (CLEP) tests. Students can register for the offered tests at

University Testing Services,https://uncw.edu/testingservices/national/index.html. Students should have the score reports sent to the Registrars Office for evaluation concerning placement and credit. Individual departments have determined the specific courses for which credit will be given.

1. Cambridge International Examination: Students achieving acceptable scores on the Cambridge International Examination (CIE) and/or Cambridge Advanced International Certificate of Education (AICE) Diploma may be eligible for credit. A website listing of the A and/or AS Level subject examinations, required grade, and credits awarded is available athttps://uncw.edu/reg/transfercredit-examCIE.html. Examination grades should be sent to the Office of the Registrar. Individual departments continue to review and determine appropriate credit awarded for each subject.
1. College Exemption: Students who have been exempted with credit from courses at an accredited college or university may be exempted with credit from appropriate courses at the University of North Carolina Wilmington. When the exemption is based on a test result, the student should have a copy of the score report sent to the Office of Admissions for evaluation concerning placement and credit
1. Challenge Exams: In cases in which a student has demonstrated knowledge of a particular field by more advanced course work or experience, exemptions may be granted on an individual basis by the appropriate department chairperson. Such credit may involve satisfactory performance on a department-designed examination or project.

Military Education and Training

UNCW awards credit for courses taken while enlisted in the armed forces. An official military course transcript is required to conduct credit evaluation. A Joint Services Transcript, Community College of the Air Force, or in some cases education through the Department of Defense schools not recorded on other transcripts are accepted for credit. Contact the Office of Admissions for further information (admissions@uncw.edu).

Certification or Licensure

Students who have received industry-recognized credentials or designations obtained through certification exams may be eligible to receive academic credit. Programs determine which certifications or professional training programs qualify for academic credit. An eligible certification is defined as an industry-recognized credential or designation that is obtained once a student has successfully passed a certification exam. Certification differs from licensure in that it validates specific industry-valued competencies rather than serving as a legal requirement for practicing a profession. The Office of the Registrar in conjunction with academic colleges is developing a list of industry certifications. Final determination of credit awards is made within the academic program, and it is the student's responsibility to verify their eligibility and provide the necessary documentation for consideration. No more than 30 credit hours may be awarded through the portfolio assessment process and/or certifications or licensure credit and all limitations on transfer credit remain in place. See Residency Requirement and Requirements for Graduation.

Industry or Corporate Experience

Students with previous Industry or Corporate work experience may be eligible for academic credit based on their work experience. Eligible experiences include non-collegiate instructional programs, such as, but not limited to, those for apprenticeships and workplace training that demonstrate competencies required relevant to degree or certificate completion. To qualify, students must successfully complete an approved portfolio development course, document the industry or corporate experience as part of the course, and submit the portfolio to the appropriate academic department for review. However, completing the course does not guarantee that academic credit will be awarded. Final determination of credit awards is made by the academic program. Students are responsible for confirming, in advance, whether their program grants credit for work experience before enrolling in an approved portfolio development course.

Portfolio Assessment

Students may earn credit for non-academic credentials and/or prior work experience through enrollment in an approved portfolio development course. This program, which requires the completion of a portfolio or portfolios, respects and honors learning that is gained through work, volunteering, or other life experiences or accomplishments. Course credit may be awarded to students who create portfolios to demonstrate they have learned similar materials through experience that other students learn in the classroom. Program directors, department chairs or their faculty designees review the portfolios to determine whether the student should receive credit.

All students seeking to earn Credit by Portfolio Assessment from UNCW must be enrolled UNCW students and must enroll in and successfully complete a UNCW Portfolio Development course. Only portfolios, created by students enrolled in an approved UNCW Portfolio Development course and demonstrating experiences that match the learning outcomes of a UNCW course, can be evaluated by UNCW faculty for credit. Individual departments will set criteria for the consideration of any such credit and retain full discretion within established credit hour limits. No more than 30 credit hours may be awarded through the portfolio assessment process and/or certifications or licensure credit and all limitations on transfer credit remain in place. See Residency Requirement and Requirements for Graduation. Contact the Office of Admissions for further information (admissions@uncw.edu).

Dean's List

To be included in the Dean's List at the close of each semester, students must meet one of the following criteria:

1. Students carrying 12-14 hours must earn a grade point average of 3.50 or better with no grade less than "B" (3.00).
2. Students carrying 15 hours or more must earn a grade point average of 3.20 or better with no grade less than "B" (3.00).
3. Students participating in the Honors Scholars College who are carrying 12-14 total hours but are not receiving a grade for the current semester of honors work shall be eligible for the Dean's List if their grade point average on the remaining 9-11 hours otherwise meets current standards for the Dean's List.

Students carrying 11 hours or fewer are not eligible for the Dean's List. Pass/fail hours will not be used in the calculation of Dean's List.

Declaration of Major

Undergraduate students admitted as first time, first year students may declare and be accepted into a major field of study after completing a minimum of 24 semester hours at the university. After one semester of enrollment, first time, first year students who have earned 30 or more credit hours including UNCW and transfer credit may declare their major with permission from the Director of Center for Academic Advising.

Undergraduate students admitted as transfer students are required to select a major or a pre-major at the time of admission to UNCW. Advising of transfer students is done within the chosen major field or Center for Academic Advising when appropriate.

In unique situations and with permission of both the Director of Center for Academic Advising and the Dean of the receiving College or School or designee, a student may declare their major before the end of their first semester. Colleges, schools, departments, and programs with admission requirements have a pre-major, and that academic unit provides discipline-specific advice. Students accepted into a pre-major status are expected to complete full admission requirements for the major within three semesters.

Degrees with Distinction

Three degrees with distinction are granted to graduating students based on all work attempted in meeting requirements for the degree as follows:

Cum Laude for an overall average of 3.50

Magna Cum Laude for an overall average of 3.70

Summa Cum Laude for an overall average of 3.90

If transfer students first have a UNCW GPA of 3.5 or higher, degrees with distinction are granted to transfer students under the following conditions:

1. The student must have the required overall average on all work attempted (including all transfer courses attempted).
2. The student must have the required average on work attempted at the University of North Carolina Wilmington.

Grades issued by a foreign institution are not calculated into the UNCW grade point average in determining degrees with distinction.

For the purposes of the commencement ceremony, including the distribution of honor cords and the printing of the commencement program, distinctions are calculated based on the grades up to, but not including, the student's final term. Students who complete the Departmental Honors Program satisfactorily will be graduated "With Honors" in the discipline in which the special work is undertaken. Students who complete the University Honors Program will have the additional designation "University Honors."

Determining Enrollment Status

Because the university must officially respond to requests for a determination of a student's enrollment status from outside agencies as well as university offices, the following policy is provided:

UNDERGRADUATE—REGULAR TERM

Full-time status requires a minimum enrollment of 12 credit hours.
Three-quarter-time status requires a minimum enrollment of 9 credit hours.
Half-time status requires a minimum enrollment of 6 credit hours.

UNDERGRADUATE—SUMMER SCHOOL

Full-time status requires a minimum enrollment of 12 credit hours across all sessions in the summer term.
Three-quarter-time status requires a minimum enrollment of 9 credit hours across all sessions in the summer term.
Half-time status requires a minimum enrollment of 6 credit hours across all sessions in the summer term.
Enrollment status for determining financial aid eligibility is calculated across all sessions in the summer term.

E-Mail

The University of North Carolina Wilmington regards e-mail as an official method of communication with students, staff and faculty. The UNCW e-mail address is the official address for faculty, staff and student electronic communications. Faculty, staff and students assume full responsibility for the decision to forward e-mail, and any failure to receive e-mail communications due to an alternative e-mail service does not necessarily constitute a defense for failure to respond. While e-mail is an official method of communication, it is not the only official method of communication and does not exclude alternate methods such as written or oral communications. All

members of the university community must maintain good e-mail management habits and adhere to the standards of responsible use specified in the UNCW Responsible Use of Electronic Resources
Policy (https://uncw.edu/policies/documents/07.100.00-responsible-use-of-it-resources.pdf) if the institution is to maintain a quality, collaborative computing environment.

Equal Opportunity, Diversity, and Unlawful Harassment

Reaffirmation of Commitment to Equal Education and Employment Opportunity

The University of North Carolina at Wilmington is committed to and will provide equality of educational and employment opportunity for all persons regardless of race, sex, sexual orientation, gender identity or expression, marital status, pregnancy, age (40 or older), color, national origin, ethnicity, religion, sexual orientation, political affiliation, National Guard or veteran status, military service member status, genetic information, disability or relationship to other university constituents – except where sex, age, or ability represent bona fide educational or occupational qualifications or where marital status is a statutorily established eligibility criterion for State funded employee benefit programs. This affirmation is published in accordance with 41 CFR Part 60 and is implemented in accordance with Title VII and Title IX of the Civil Rights Act of 1964, as amended; Executive Order 11246; the Rehabilitation Act of 1973; the Vietnam Era Veterans' Readjustment Assistance Act of 1974; the Civil Rights Restoration Act of 1988; and NC General Statutes Chapters 116 and 126.
To ensure that equal educational and employment opportunity exists throughout the university, a results-oriented equal opportunity/affirmative action program has been implemented to overcome the effects of past discrimination and to eliminate any artificial barriers to educational or employment opportunities for all qualified individuals that may exist in any of our programs. The University of North Carolina at Wilmington is committed to this program and is aware that with its implementation, positive benefits will be received from the greater representation and development of previously under-utilized human resources

Statement on Diversity in the University Community

In the pursuit of excellence, UNC Wilmington actively fosters, encourages, and promotes inclusiveness, mutual respect, acceptance, and open-mindedness among students, faculty, staff, and the broader community. Diversity is an educational benefit that enhances academic experience and fosters free exchange of ideas from multiple perspectives. Diversity includes, but is not limited to race, sex, gender, gender identity, marital status, pregnancy, age, color, national origin, ethnicity, religion, disability, sexual orientation, political affiliation, National Guard or veteran status, military service member status, genetic information, educational disadvantage, socio-economic circumstances, language, and history of overcoming adversity.

Unlawful Harassment, Discrimination, Sexual Misconduct and Retaliation

The University of North Carolina at Wilmington affirms that students and employees are entitled to an educational and employment environment free from unlawful harassment or discrimination based on that individual's race, sex, sexual orientation, gender identity or expression, marital status, pregnancy, age (40 or older), color, national origin, ethnicity, religion, color, disability, sexual orientation, political affiliation, National Guard or veteran status, military service member status, genetic information, disability or relationship to other university constituents and expressly prohibits unlawful harassment or discrimination of any individual among the university community engaged in educational or employment pursuits. Further, no student or employee shall be subject to retaliation for bringing a good faith complaint pertaining to unlawful harassment or discrimination or for protesting such behavior directed against another member of the university community.
For more information concerning ways in which our multicultural learning community may be nurtured and protected or complaint resolution procedures, contact the Office of Institutional Diversity and Inclusion, the Office of the Dean of Students, the Office of Academic Affairs, or the Office of Human Resources.

Improper Personal Relationships Between Students and Employees

1. **Purpose**

   This policy sets forth professional conduct standards for all employees who are involved in the instruction, supervision or evaluation of students. The university does not condone amorous relationships between students and employees. Members of the university community should avoid such liaisons, which can harm affected students and damage the integrity of the academic enterprise. Even if a relationship is not prohibited by this policy, it can raise risk management and conflict of interest concerns; thus, the University would discourage it. Further, sexual relationships between unmarried persons can result in criminal liability. In two types of situations, university prohibition and punishment of amorous relationships is deemed necessary: 1) when the employee is responsible for evaluating or supervising the affected student; and 2) when the student is a minor, as defined by North Carolina law.

2. **Prohibited Conduct**

1. It is misconduct, subject to disciplinary action, for a university employee, incident to any instructional, research, administrative or other university employment responsibility or authority, to evaluate or supervise any enrolled student of the institution with whom he or she has an amorous relationship or to whom he or she is related by blood, law or marriage.
2. It is misconduct, subject to disciplinary action, for a university employee to engage in sexual activity with any enrolled student of the university, other than his or her spouse, who is a minor below the age of 18 years.

3. **Definition of Terms**

1. "Amorous relationship" exists when, without the benefit of marriage, two persons as consenting partners

1. Have a sexual union; or
2. Engage in a romantic partnering or courtship that may or may not have been consummated sexually.

2. "Evaluate or supervise" means:

1. To assess, determine or influence a) one's academic performance, progress or potential or b) one's entitlement to or eligibility for any institutionally conferred right, benefit or opportunity; or
2. To oversee, manage or direct one's academic or other institutionally prescribed activities.

3. "Related by blood, law or marriage" means:

1. Parent and child
2. Brother and sister
3. Grandparent and grandchild
4. Aunt and/or uncle and niece and/or nephew
5. First cousins
6. Stepparent and stepchild
7. Spouses
8. Parents-in-law and children-in-law
9. Brothers-in-law and sisters-in-law
10. Guardian and ward

4. Reporting Policy Violations

1. The university encourages individuals to report alleged violations to the department chair, dean, director or vice chancellor of the division or department in which the employee involved in the relationship is employed. The dean, director or vice chancellor, in consultation with the Associate Vice Chancellor for Human Resources, Provost, and General Counsel (or respective designees), shall determine whether to authorize a formal investigation of the allegations.
2. Self-reporting is required to avoid potential conflicts of interest, or the appearance of a conflict. If the potential for such a conflict arises, the employee is required to disclose the possibility of a potential conflict to his or her immediate supervisor and efforts are to be made to eliminate any potential source of the conflict. Moreover, self-reporting is required to manage or resolve existing conflicts of interest arising from prohibited conduct defined in Section II.
3. The university considers the filing of a false or malicious report as a violation of this policy, and the individual who reports shall be subject to prompt and appropriate disciplinary action.

5. Investigatory Procedures

1. If a formal investigation is authorized, the pertinent vice chancellor will form a fact finding team of two impartial and unbiased individuals who interview the employee, the affected student, the complainant, and any other individual believed to have pertinent factual knowledge necessary to determine the validity of the allegations. Relevant documents should also be reviewed. The fact finding team takes notes of all individuals who are interviewed. The investigation should gather relevant information to determine whether there is a policy violation or a risk management or conflict of interest concern. As such, they may determine information including, but not limited to:
    1. Whether the reported relationship does exist and the nature of the relationship;
    2. Whether the relationship has created a conflict of interest;
    3. Options for eliminating any conflict of interest, with an emphasis on avoiding any negative impact to the student's academic progress; and
    4. The appropriateness of any academic, evaluative, and/or supervisory decisions made by the employee when the conflict of interest existed.
2. In general, the complainant, employee, and affected student may be accompanied by another member of the university community during the interview, so long as the individual does not participate in or interfere with the interview. This person's role is simply as an observer. Representation by legal counsel during the interview is prohibited. All parties to an investigation must be instructed on the confidential nature of the matter, and the prohibition against retaliation for reporting policy violations and/or participating in an investigation.
3. The fact finding team shall prepare a written report of factual findings, which shall be considered a confidential personnel record. Human Resources will serve as a consultant to the process to ensure consistency of treatment. In the case of a faculty member, the report shall be submitted to the pertinent department chair, dean, and the provost, with a copy to the Associate Vice Chancellor for Human Resources. In the case of a non-faculty member, the report shall be submitted to the pertinent supervisor, vice chancellor, and the Associate Vice Chancellor for Human Resources. The subject employee shall be afforded a full opportunity to participate in

the fact finding before the report is finalized. The employee may appeal a determination based on the investigation and report in accordance with Section VII.

4. A senior officer, in consultation with the General Counsel, shall make a determination of whether a policy violation has occurred. The standard of proof shall be a preponderance of the evidence, which means that there is greater than a 50% chance that the employee has engaged in prohibited conduct.
5. If, following consultation with the Associate Vice Chancellor for Human Resources and General Counsel, the fact finding team finds or is presented with evidence of harassment, violence, sexual activity with a minor, or other sexual misconduct, the matter will be referred to the Director of Title IX and Clery Compliance and/or University Police, as appropriate, and handled in accordance with Policy 02.205, Unlawful Discrimination, Harassment, and Sexual Misconduct.
6. Results of the investigation, the report, and any subsequent disciplinary action shall be kept confidential to the extent allowed by the Family Educational Rights and Privacy Act ("FERPA") and the North Carolina Human Resources Act (G.S. §§ 126-22 et. seq.). The investigating administrator(s) shall forward all related documentation as soon as possible following resolution to Human Resources for retention.
7. Reasonable efforts should be made to address the concern in as timely a manner as possible, which should be within sixty (60) calendar days of receiving the complaint. The Associate Vice Chancellor for Human Resources should be advised on any investigation and/or resolution that takes longer than sixty (60) calendar days. This should be accomplished through a status report provided by the investigating administrator(s).

6. Corrective Action

Any disciplinary action imposed for a violation of this policy shall be made in accordance with the disciplinary procedures applicable to the faculty or staff member's category of employment. Sanctions may include a letter of reprimand or warning, suspension without pay, or dismissal from employment. Disciplinary action shall be decided by the appropriate vice chancellor, or designee, in consultation with the Associate Vice Chancellor for Human Resources.

7. Appeal Procedures

A. A subject employee may appeal a determination following an investigation to the Office of Human Resources, who will forward it to an appropriate senior officer who has not participated in the investigation or subsequent disciplinary decision for review and decision. The employee may appeal a determination on the basis of:

1. Material procedural irregularities occurring during the investigation; or
2. Discovery of new evidence that was not available during the investigation and that may have a substantial impact on the outcome of the investigation.

B. Dissatisfaction with the university's determination is not grounds for an appeal.

C. A subject employee seeking to appeal the determination on approved grounds must file a

written appeal statement within thirty (30) calendar days after notice of the decision. Appeal statements must include grounds for the appeal.

D. Disciplinary actions may be appealed in accordance with the disciplinary policies applicable to the faculty or staff member's category of employment.

Opportunities for Involvement and Avenues of Redress

For more information concerning ways in which our multicultural learning community may be nurtured and protected, contact Institutional Diversity and Inclusion, the Office of the Dean of Students, or Human Resources.

For complaint processes and administrative review procedures pertaining to perceived violations of the university's policies pertaining to equal educational and employment opportunity, personal discrimination, sexual harassment, or improper personal relationships, see the Code of Student Life or the Faculty Handbook or contact the University EEO/AA Officer, UNCW Human Resources, 601 S. College Road, Wilmington, NC 28403-5960, Phone (910) 962-3160, Fax (910) 962-3840.

For questions concerning program access or compliance, contact the ADA Compliance Officer, UNCW Environmental Health and Safety Office, Wilmington, NC 28403-5974, Phone (910) 962-4287.

Seahawk Respect Compact

In the pursuit of excellence, UNC Wilmington actively fosters, encourages, and promotes inclusiveness, mutual respect, acceptance, and open-mindedness among students, faculty, staff and the broader community.

- We affirm the dignity of all persons.
- We promote the right of every person to participate in the free exchange of thoughts and opinions within a climate of civility and mutual respect.
- We strive for openness and mutual understanding to learn from differences in people, ideas and opinions.
- We foster an environment of respect for each individual, even where differences exist, by eliminating prejudice and discrimination through education and interaction with others.

Therefore, we expect members of the campus community to honor these principles as fundamental to our ongoing efforts to increase access to and inclusion in a community that nurtures learning and growth for all.

Final Examination Policy

University policy requires the scheduling of final examinations. Under this policy, the final examination schedule provides a three-hour period for each examination and allows a maximum of four examinations per day. The length of the final examination, up to a maximum of three hours, is at the discretion of the instructor.
The final examination schedule is published at the beginning of each semester. Courses offered during the day have final examinations during the day. Night courses have final examinations at night.
A student who is scheduled to take three or more final examinations in one calendar day may have one or more rescheduled so that no more than two per day are required. To reschedule an exam the student must notify the three (or four) instructors and the appropriate dean(s) of this desire at least two weeks before the beginning of the final examination period. It will be the responsibility of the instructors, working with the student, to reschedule the exam(s) and so inform the student and the appropriate dean(s) at least one week before the beginning of the final examination period.
Rescheduling of a final examination for an entire class may be done only with the approval of the appropriate dean.

Grade Appeal Procedure

Any student considering a grade appeal should understand that each faculty member has the academic freedom and responsibility to determine grades according to any method, chosen by the faculty member, that is professionally acceptable, communicated to everyone in the class, and applied to all students equally. However, prejudiced or capricious academic evaluation by a faculty member is a violation of a student's rights and is the valid ground for a grade appeal.
Any student who contests a course grade shall first attempt to resolve the matter with the instructor involved. Failing to reach a satisfactory resolution, the student may appeal the grade in accordance with the procedures outlined below. These procedures are not to be used in cases involving student academic dishonesty. An appeal must be made no later than the last day of the next succeeding regular semester. Grades not appealed by that time become permanent.

1. The student shall present the appeal in writing to the chairperson of the department within which the contested grade was awarded. The written statement shall limit itself to citations of evidence pertaining to the valid ground for the appeal. By conferring with the student and the

instructor, the chairperson will seek resolution by mutual agreement.

2. Failing such resolution, the department chairperson shall transmit the written appeal to the appropriate dean who will convene the Grade Appeals Committee.
3. The Grade Appeals Committee shall consist of the convening dean and five faculty members appointed by the dean. If the committee affirms the instructor's decision, the dean will notify in writing the faculty member, the student, and the department chairperson as appropriate. If the committee supports the student's appeal, it shall prescribe the method by which the student will be reevaluated. The grade resulting from the prescribed reevaluation is final and may not be further appealed.

Grades and Reports

Unless modified in accordance with established procedures, each grade assigned by faculty (including a grade in a course that has been repeated), or a grade of "W" is permanent and cannot be removed from a student's official record or transcript.

The University of North Carolina Wilmington uses the grade point system and semester hour credit for calculating student achievement. Plus (+) or minus (-) grades may be awarded at the discretion of the faculty. Grade symbols used are the following:

Grade	Grade Points*	
A	4.00	Excellent
A-	3.67	
B+	3.33	
B	3.00	Good
B-	2.67	
C+	2.33	
C	2.00	Average
C-	1.67	
D+	1.33	
D	1.00	Passing
D-	0.67	
F	0.00	Failure
I	Incomplete	
IP	In Progress (Multi-Term Courses and Projects)	

W	Withdrawn
WF	Failure/Late Withdrawal
NR	Not Reported by Faculty
Z	Under Appeal
P	Satisfactory Work

*Earned grade points equal quality points

The grade point average (GPA) is determined by dividing the accumulated number of grade points (quality points) earned at UNCW by the accumulated number of attempted hours earned at UNCW. Hours for which grades of "F" or "WF" have been assigned are included in the calculation of the GPA. Grades of "I," "IP," "W," "NR," "Z" and "P" are not included in the calculation of the GPA.

At the discretion of the instructor and in compliance with policies governing appropriate conditions for assigning a grade of Incomplete, a student may be given a grade of Incomplete when the work in the course has not been completed for reasons beyond the control of the student. All incomplete grades must be removed according to a deadline established by the instructor, but no later than the end of the next regular semester, otherwise the "I" becomes "F" and cannot be changed. A student must not register for the class when attempting to remove a grade of Incomplete. No student will be allowed to graduate with an Incomplete grade on his/her academic record. Such grades that have not been resolved at the time of graduation will be converted to an "F." If a student meets graduation requirements, despite the "F," the appropriate degree will be awarded.

An "IP" is assigned to departmental honors projects (499) in semesters other than their final one. Upon successful completion of the entire project, "IP" grades from previous semesters are converted to letter grades, and grade points are retroactively awarded.

Grades of "P" and "F" can be assigned to internships designated by a 498 number as described in the section on Internships. The credit hours earned with a "P" will count towards the number of hours required to graduate but will be excluded from the computation of the GPA. Grades of "F" will be included in the computation of the GPA.

Term grades may be accessed via mySeaport.

Indebtedness

All indebtedness to the university must be satisfactorily settled before a diploma will be issued.

Interinstitutional Placeholders

Placeholders are fictitious courses that act as reference points for coursework generated through interinstitutional transfer. If visible on the transcript, the course will be upgraded as 'NG' (Non-Graded) with zero credit hours. The following courses exist as placeholders for interinstitutional relationships with other campuses.

- EXC 294 (Exchange) - appears on an academic transcript with an NG grade and zero credit hours
- STA 294 (Study Abroad) - only appears within registration; appears until foreign transcript is received and processed, then removed
- UPS 294 (University of Paris Sorbonne) - only appears within registration; appears until foreign transcript is received and processed, then removed
- UNCX with any course number (UNC Online) - only appears within registration

Internships

Several programs in the College of Humanities, Social Sciences, and the Arts, College of Science and Engineering, College of Education, College of Health and Human Services, and the Cameron School of Business offer students the opportunity to earn academic credit within a work environment external to the program. The purpose of the internship experience is to enhance, supplement, and integrate the learning that occurs in formal classroom settings. Permission of the dean and program offering the internship is required to enroll, and the program places limits on the number of credit hours earned applicable toward graduation. Internships designated by a 498 number will be graded on a Pass (P), Fail (F) basis. These credit hours earned will count towards the number of hours required to graduate, but the grade of Pass (P) will be excluded from the computation of the GPA. For further information on internships, refer to the courses numbered 498 in the course listings and then contact the departments offering them.

Isaac Bear Early College High School Students

Isaac Bear Early College High School opened in the fall of 2006 as a partnership between the North Carolina New Schools Project, New Hanover County Schools and the University of North Carolina Wilmington. As an early college high school, students participate in an
accelerated high school education program which offers honors courses to prepare students for the rigor of college.
Students enrolled in UNCW classes while enrolled at Isaac Bear Early College High School will be governed by the academic policies of the UNCW catalogue. Upon admission to UNCW, Isaac Bear Early College High School graduates will begin as degree seeking undergraduates. Such students will maintain the cumulative GPA and credit hours earned. However, all other policies will restart as if the student was not enrolled during high school.

Off-Campus Courses

Students may be permitted to earn credits toward degree requirements at UNCW through course work at other regionally-accredited two- and four-year colleges and universities in the United States and abroad, as well as through distance education. To receive permission, a student must submit an online "Permission for Transient Study" request and obtain the approval of his/her department chairperson (or the dean of University College) prior to registering for the course(s). The online transient study request link and instructions are available
at http://www.uncw.edu/reg/transfercredit-transStudy.htm. The permission form must be on file in the Office of the Registrar prior to the student's leaving campus. Any exception to the residency requirement requires the signature of the department chair and dean. See also Residency Requirement.

Pass/Fail Courses

Students who have a cumulative grade point average of 2.00 or higher and who have successfully completed 45 hours, with at least 12 hours at UNCW, may take up to 9 hours of elective courses on a pass/fail basis. The intent of this option is to encourage students to explore areas of interest beyond their major or minor without

concern about compromising their academic record. Students should be selective in choosing such courses. A change of major might mean that a course taken on a pass/fail basis must later be retaken for a grade. In addition, graduate and professional schools and future employers may evaluate such course work differently from graded courses. The following restrictions apply:

- A student may enroll in a course on a pass/fail basis only with the permission of the instructor.
- No more than one course may be taken on a pass/fail basis in a semester or summer session.
- Courses used to fulfill university studies requirements or the requirements of the student's major, minor, or certificate program may not be taken on a pass/fail basis. Courses repeated to replace a grade may not be taken on a pass/fail basis.
- Students may not change the designation (from graded to pass/fail or from pass/fail to graded) after the drop/add period.
- Pass/fail students are required to complete all course work and examinations and are graded as if they were taking the course for a grade. Students who achieve a passing average receive a grade of "P" for the course. A "P" grade is equivalent to a "D-" or better.
- Credit hours in courses for which a student has earned a "P" are counted toward the hours required for graduation, but are excluded in the computation of the student's grade point average. Grades of "F" are included in the computation of the grade point average.
- Internships do not count in these elective pass/fail courses.
- Students should be aware of the ramifications which could result from using the pass/fail option:

1. Many graduate schools will not consider "P" grades for entry into a program.
2. Many institutions do not award transfer credit for "P" grades.
3. Pass/fail hours will not be used in the calculation of Dean's List.

Placement by Examination

For information on credit available by examination through CLEP, IB, AP, etc., see the Credit by Examination section of this page.

Placement into appropriate starting courses in Math, English, and World Languages is in part through examination as detailed below, but is at the discretion of the placing department's chair.

English

Placement: https://uncw.edu/myuncw/academics/colleges/chssa/departments/english/placement

Math Placement

Test: https://uncw.edu/myuncw/academics/colleges/cse/departments/math-statistics/student-resources/undergraduate/placement-test

World Language and Cultures Placement

Test: https://uncw.edu/myuncw/academics/colleges/chssa/departments/world-languages/undergrad-student-resources/placement-test

Policy Statement on Illegal Drugs

In accordance with policy adopted by the Board of Governors of the University of North Carolina and the Board of Trustees of UNCW, disciplinary proceedings against a student, faculty member, administrator, or other employee will be initiated when the alleged conduct is deemed to affect the interest of UNCW. The penalties that may be imposed range from written warnings with probationary status to expulsion from enrollment and discharge from employment.
The full text of the policy appears in the *UNCW Policies and Procedures Manual*, the *Faculty Handbook*, and the *Code of Student Life*.

Posthumous Degree

https://uncw.edu/myuncw/about/university-administration/academic-affairs/policies-guidelines/posthumous-degrees

A posthumous baccalaureate or graduate degree may be conferred upon a student who dies prior to but close to completion of all requirements of the degree being pursued. The University of North Carolina Wilmington awards such degrees in recognition of the academic achievement of the deceased student. In doing so it acknowledges the loss to the university, family and friends and extends to them the opportunity to share in the academic success of the deceased student.
To be eligible for the award of a posthumous degree, an undergraduate student generally must have met the following conditions:

- At the time of death, the student was enrolled in his/her senior year.
- The student was in good academic and disciplinary standing and was successfully progressing toward completion of requirements for the degree to be awarded. In particular, at the time of death the student had a 2.0 GPA or better, was within 15 credit hours of completion of all requirements or in the final term of completion of all their requirements, and had satisfied the university's Residency Requirement as described in University Regulations within the Undergraduate Catalogue.
- The student must have declared a major and completed at least one half of the requirements for the major that will be recorded on the diploma.

To be eligible for the award of a posthumous degree, a graduate student generally must have met the following conditions:

- At the time of death, the student was enrolled in good academic standing and had made

significant progress toward academic requirements for earning the degree.

- For degrees requiring thesis, dissertation, or other creative/practicum activity, the student must have completed all course and other requirements pursuant to the degree and must have been near completion of the dissertation/thesis/equivalent product; and the student's committee must have determined the scholarship to be substantial work and worthy of the degree.
- For degrees requiring primarily coursework, the student should have completed at least 90 percent of academic requirements for earning the degree. This is typically in the last two semesters or year of study.
- In cases where requirements for awarding a doctorate have not been met, a master's degree could be awarded if an appropriate master's degree exists within the student's home department/school, all requirements for the degree have been satisfied, and the action is supported by the student's committee.

Approval Process

The process for identifying and considering candidates for the award of degrees posthumously shall be as follows:

1. Upon learning of the death of a University of North Carolina Wilmington student, the Vice Chancellor for Student Affairs (or designee) will notify the relevant dean.
2. The dean shall ascertain the academic and disciplinary standing of the student. The dean's office will work with the department chair. The departmental faculty, department head and dean will determine if the student's overall record merits further consideration and if recommendation that the posthumous award be granted; such information will be communicated to the Provost.
3. The Provost will weigh all the information relating to each case independently and will prepare a recommendation to the Chancellor. If the Chancellor supports the recommendation, it will be presented to the Board of Trustees for final approval.
4. If the Board of Trustees approves, the Chancellor's Office will notify the Registrar.

Awarding of Posthumous Degrees

Upon approval by the Board of Trustees, the following procedure will be followed:

1. The family of the deceased will be notified of the approval by the Vice Chancellor for Student Affairs (or designee).
2. The degree will be conferred at a future commencement exercise determined by the Provost and Vice Chancellor for Student Affairs.

1. Names of all recipients of posthumous degrees will be listed separately, along with degree and major, in the commencement program.
2. Special recognition of these students will be made by the Chancellor just prior to the individual recognition of all degree candidates present at the ceremony.
3. Families who choose to attend commencement activities will be provided reserved seating and

the Chancellor will note their presence as he or she recognizes the posthumous degree recipients.

4. A diploma will be provided to the families who choose to attend commencement activities or mailed to families who choose not to participate.
3. The posthumous nature of the award will be indicated on the diploma, the student's permanent record and in the commencement program.
4. If the major department does so certify, the Registrar shall enter final grades of "P" in classes in which the student was enrolled.

Extraordinary Circumstances

Exceptions to these guidelines may be made when the student's death occurred during or as a result of participation in university-sponsored activities, or when chronic illness prevented current enrollment.

Exceptions may also be considered when extraordinary circumstances prevail. For example, the student died while carrying out a heroic deed, or while performing outstanding service to the University or community, or after having completed an outstanding academic record, piece of original research, or creative project; and other exceptional cases. In such cases, appropriate justification should be prepared and presented as part of Step 2 of the Approval Process (above). All other approval steps remain the same.

DEGREES IN MEMORIAM

A Degree in Memoriam is a recognition provided to honor a deceased student's progress toward the degree. The Degree in Memoriam is not included in the official count of degrees.

For undergraduate and graduate degrees and certificates: Any student who was in good standing at the University at the time of their death and who does not meet the requirements necessary to be awarded a posthumous degree may be awarded a Degree in Memoriam. Degrees in Memoriam will read "Bachelor of Arts in Memoriam," "Bachelor of Science in Memoriam," "Master of Arts in Memoriam," "Doctor of Philosophy in Memoriam," etc., depending upon the degree the student was pursuing at the time of death. Undergraduate students who have not declared a major will be awarded the "Bachelor of Arts in Memoriam." The approval process for a degree in memoriam shall be the same as that for approval of a posthumous

degree. Degrees in memoriam will be delivered to the student's family by the Division of Student Affairs.

Progress Toward Graduation in Four Years

To graduate in four years, a student must successfully complete all graduation requirements and an average annual course load of 30 semester hours. This course load requires the student to take approximately 15-16 hours per semester or earn hours through summer enrollment. Among the factors responsible for extending the time necessary to complete degree requirements beyond four years are a student's late decision to change majors, requiring additional course work; part-time employment while enrolled; family responsibilities; and unilateral decisions to take fewer than the recommended average of 15.5 hours per semester.

Registration

Registration occurs immediately prior to each term and is limited to the time period specified in the university calendar. Classes may not be added after the last day of registration and the add/drop deadline. Degree students may take up to 18 hours without special permission. Students who have a cumulative grade point average of 3.50 or higher may be allowed, with special permission of the appropriate dean, to carry up to 21 semester hours.

Cancellation of Registration Due to Failure to Pay Tuition and Fees

Students who fail to pay or make suitable arrangements for payment of tuition and fees will have their registrations cancelled. Non-payment does not constitute official withdrawal from the university. If a student registered, but decides not to attend UNCW, the student MUST notify the Office of the Registrar in writing prior to the first day of the term. Please see Charge for Late Payment of Tuition and Fees in the section on Expenses, subsection, Tuition and Fees.

Release of Directory Information

The University of North Carolina Wilmington has routinely made public certain information about its students. Typically, UNCW releases the names of students who are selected by the various honorary societies, receive scholarships, make the Dean's List, hold offices, or are members of athletic teams.

The University of North Carolina defines the term directory information to include the following information: the student's name, college and major field of study, participation in officially recognized activities and sports, dates of attendance, degrees earned, honors and awards received, and the most recent previous educational agency or institution attended by the student. The university will make public information about each student limited to these categories in ways such as those described above. Of course, information from all these categories is not made public in every listing.

Students who do not wish to have their directory information made public without their prior consent must complete a "Request To Prevent or Allow Disclosure of Directory Information" form in the Office of the Registrar.

Family Educational Rights and Privacy Act (FERPA)

Certain personally identifiable information about students ("education records") may be maintained at the Office of the President of the University of North Carolina, which serves the Board of Governors of the university system. This student information may be the same as, or derivative of, information maintained by a constituent institution of the university; or it may be additional information. Whatever their origins, education records maintained at the Office of the President are subject to the federal Family Educational Rights and Privacy Act of 1974 (FERPA).

FERPA provides that a student may inspect his or her education records. If the student finds the records to be inaccurate, misleading, or otherwise in violation of the student's privacy rights, the student may request amendment to the record.

FERPA also provides that a student's personally identifiable information may not be released to someone else unless (1) the student has given a proper consent for disclosure or (2) provisions of FERPA or federal regulations issued pursuant to FERPA permit the information to be released without the student's consent.

A student may file with the U.S. Department of Education a complaint concerning failure of the Office of the President or an institution to comply with FERPA.

The policies of the Office of the President of the University of North Carolina concerning FERPA may be inspected in the office at each constituent institution designated to maintain the FERPA policies of the institution. Policies of the Office of the President may also be accessed in the Office of the Secretary of The University of North Carolina, Office of the President, 910 Raleigh Road, Chapel Hill, NC 27515-2688.

Further details about FERPA and FERPA procedures at the Office of the President

are to be found in the referenced policies. Questions about the policies may be directed to Legal Section, Office of the President, The University of North Carolina, Office of the President Annex Building, 910 Raleigh Road, Chapel Hill, NC (mailing address P.O. Box 2688, Chapel Hill, NC 27515-2688; telephone: 919-962-4588).
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Repeating of Courses

Students who receive a grade of "C" (2.00) or better in a course may not repeat the course but may audit without credit. Students who repeat a course in which they have earned credit or for which transfer credit has been awarded, will have the status changed to audit during the term the course is repeated. Students who wish to have the grade for the course repeat show on their transcripts without the course counting in their credit total or grade point average may arrange this before the end of add/drop by submitting an online Graded Course Audit Registration Form. The form and instructions are available in the Office of the Registrar or online at http://www.uncw.edu/reg.
Students who receive a grade below a "C" (2.00) in a course taken at UNCW may repeat the course at UNCW. For the first three different courses repeated, the previous grade and hours of credit for the repeated course will not be used in calculating the student's grade point average and hours toward graduation. All grades shall remain on the student's transcript.
In interpreting the policy it is to be understood that:

1. the term "first three times" means
1. that the policy is automatically operative for a student the first time that the student repeats a course, and
2. that the three repeats involve three different courses;
2. a student may go beyond three course repeats, but such repeats will not enjoy the privilege of the policy;

3. all students will be able to enjoy the benefits of this policy irrespective of prior course repeat activity;
4. this policy does not govern the repeating of graduate courses (see the Graduate Catalogue for the appropriate policy).

Students enrolled in a special topics course for a grade replacement must enroll in the same topic for which they originally received an unsatisfactory grade. Grades earned in repeated courses will not be used to replace grades earned as part of a degree once it has been conferred.

Note: A failing grade received owing to admitted or adjudicated academic dishonesty shall not be replaced if the course is repeated. Both the penalty grade and the new grade shall appear on the student's transcript and count in the student's grade point average. A student may not appeal the policy stated in this paragraph to any faculty or administrative level.

Requirements for a Double Major or a Double Degree

A student may elect to major in two separate disciplines on the condition that the student meets all requirements for each major. A student who completes 120 hours and all requirements for more than one major in the same baccalaureate program will have only one degree conferred, but all majors will be printed on the transcript.

A student who completes 120 credit hours and meets all requirements for majors in different baccalaureate programs may have both degrees conferred. A student may not simultaneously receive two different baccalaureate degrees within the same department (e.g., a B.S. and a B.A. degree).

A student may not normally receive a second baccalaureate degree in a department in which a degree has been earned previously. An exception may be made only when a department has an established policy regarding the circumstances in which a second degree may be awarded.

A student who returns to the university after the initial graduation to complete the requirements for a second major may have the additional major added to the official record upon written notification from the department chairperson that all departmental requirements have been met satisfactorily. A new diploma will be issued reflecting the new major and will be subject to the replacement diploma fee.

Requirements for Another Baccalaureate Degree

A student with a baccalaureate degree from UNCW may receive a second baccalaureate degree in a different major. The student must meet all the requirements for the second degree and major, including 30 hours in residency, at least 15 semester hours in the major at the 300-400 level, and course work that meets the spirit of UNCW's current university studies requirements.

Requirements for Graduation

Students are expected to request the awarding of degrees prior to the conclusion of their current academic program by applying to graduate. An application for graduation must be submitted online by the date specified in the university calendar for the desired graduation term. A diploma fee is added to the student's account at the time of application.

Students may qualify for the bachelor's degree by completing successfully (1) the university studies requirements, (2) the residency requirement, (3) an approved course of study in an academic major, (4) a minimum of 120 semester hours of credit, and (5) fifty percent (one-half) of the minimum semester hours required in the degree must be earned through enrollment in a regionally-accredited 4-year college or university, and (6) a minimum grade point average of 2.00.

Graduation will be certified at the end of the term in which all academic requirements are complete. Upon completion of all requirements, the student will receive the appropriate degree from the following list: Bachelor of Arts, the Bachelor of Fine Arts, the Bachelor of Music, the Bachelor of Science, the Bachelor of Science in Nursing, or the Bachelor of Social Work. In advising and registering students, the deans, the Office of the Registrar and advisors try to make certain that every student who intends to graduate from the university registers for those courses that are required for a degree. The student, however, must assume the final responsibility for meeting the graduation requirements set forth in the university catalogue. All degree requirements must be completed within six years of a student's catalogue.

All graduation requirements must be met before the first day of the subsequent terms, as shown below:

Graduation Term	Date All Requirements Must be Met
Spring	First Day of Summer Term
Summer	First Day of Fall Term

Fall	First Day of Spring Term

Commencement Participation

A student shall be permitted to participate in the commencement ceremony if the student demonstrates that degree program requirements for graduation are or will be met with the completion of one educational experience (e.g., course, internship, practicum, fieldwork) as defined by their Dean's office or up to 8 credit hours of coursework during the term immediately following the commencement ceremony. Students who meet these requirements must notify the Office of the Registrar by the posted deadline in the semester of their intent to participate in the ceremony. Their names will not be published in the Commencement Program.

Residency Requirement

To qualify for the bachelor's degree, students must be enrolled in a degree program at UNCW and must have completed: (1) a minimum of 25 percent of the credit hours required for graduation through courses offered at UNCW and (2) 15 semester hours in the major at the 300-400 level. Exceptions to requirement (2) may be made only with the approval of the department chair or school director, and the appropriate dean. Requirement (1) may not be waived.To qualify for the bachelor's degree, students must be enrolled in a degree program at UNCW and must have completed: (1) a minimum of 25 percent of the credit hours required for graduation through courses offered at UNCW and (2) 15 semester hours in the major at the 300-400 level. Exceptions to requirement (2) may be made only with the approval of the department chair or school director, and the appropriate dean. Requirement (1) may not be waived.

Retention, Dismissal and Re-Enrollment

The University of North Carolina Wilmington both encourages and requires intentional pursuit of your degree. In order to remain at the university, all students must meet the requirements outlined below.

Insufficient Academic Progress

An undergraduate is automatically placed on Insufficient Academic Progress if Satisfactory Academic Progress (SAP) is not met. SAP is generally defined as

completing 67% of all attempted hours, excluding transfer hours. This is determined by dividing the number of credit hours successfully completed, defined as having earned a D- or better, by the total number of credit hours attempted.

When a student is placed on Insufficient Academic Progress, a notation is placed on the student's transcript. It is important to note that students on Insufficient Academic Progress may not be making timely progress towards degree completion. It is the responsibility of the student to arrange regular meetings with his or her academic advisor or department chair/director to discuss these issues and to consider specific academic intervention strategies.

Students should refer to the Scholarship and Financial Aid (OSFA) section related to Policy on Return of Title IV Funds for information about how Insufficient Academic Progress impacts financial aid eligibility.

Academic Standing Policy

The academic standing policy is designed to keep students on track to degree completion. Academic standing is calculated to determine a student's eligibility to enroll in courses. There are four academic standings: Good, Concerning, Warning, and Appeal Required. Students will be notified of their academic standing. Academic programming may be required, as per each college's discretion, for students who are not in good standing.

Good

All new students will begin with a standing of Good. Students who earn a 2.000 or higher cumulative GPA will continue to have a standing of Good and may enroll in fall, spring, or summer courses.

Concerning

Students who begin a semester with a standing of Good and earn less than a 2.000 cumulative GPA during that semester will have a standing of Concerning. Students with a standing of Concerning may enroll in fall, spring, or summer courses.

Students who begin a semester with a standing of Concerning and earn a cumulative GPA of 2.000 or above will return to Good standing.

Warning

Students who begin a semester with a standing of Concerning and do not earn a cumulative GPA of 2.000 or above will progress to a standing of Warning. Students with a standing of Warning may enroll in fall, spring, or summer courses. Students who begin a semester with a standing of Warning and earn a cumulative GPA of 2.000 or above will return to Good standing.

Appeal Required

Students who begin a semester with a standing of Warning and do not earn a cumulative GPA of 2.000 or above will progress to a standing of Appeal Required and will not be permitted to enroll in courses and any registered courses may be dropped. Students with a standing of Appeal Required who wish to re-enroll must submit an appeal requesting permission to enroll in courses. This appeal will go to a campus-wide Academic Standing Appeal committee that consists of Deans or their delegates, the Director of the Center for Academic Advising, the Director Financial Aid and Scholarships, the Dean of Students, and the Registrar. Students must meet with their advisor to begin the appeal. While appeals will be considered on a rolling basis throughout the year, to enter a specific term, students must submit the appeal 10 business days before the drop/add deadline.

The standings above determine eligibility to enroll in courses at UNCW; however, they do not determine eligibility to enroll in specific programs or colleges.

Readmission

Undergraduate students who left the university in good academic standing for one fall or spring semester do not need to apply for readmission. For those not enrolled at the university for two or more consecutive, regular semesters (excluding summer), a readmission application is required. Applications for readmission and submission deadlines are available from the Office of Undergraduate Admissions. Readmission to the university does not guarantee readmission to individual academic programs.

Three-year Forgiveness Policy

Any degree-seeking undergraduate student who has not been enrolled at UNCW for three or more years may choose to take advantage of the Three-year Forgiveness Policy. A student must be readmitted and then notify the University of their intention to take advantage of the Three-year Forgiveness policy by the last day of drop/add for the semester in which the student is readmitted. Three-year Forgiveness status, once applied, may not be changed, and will have the following academic consequences:

1. All original coursework attempted is visible on the academic transcript.
2. Any grade of C or higher earned prior to the granting of the Three-year Forgiveness policy will be included in earned credit hours.
3. Any grade of C- or lower earned prior to the granting of the Three-year Forgiveness policy will be excluded from earned credit hours.
4. A failing grade received as a result of a brokered private resolution or adjudicated academic

dishonesty shall not be replaced if the course is repeated. A student may not appeal this outcome to any faculty or administrative level.

5. The student's grade point average will be calculated only for those courses taken after the granting of the Three-year Forgiveness policy.
6. The student will retain all Course Repeat and Grade Replacement options.
7. The course withdrawal bank will reset to 16 credit hours.
8. The student will be ineligible for Degrees with Distinction.
9. This policy may only be applied once.

Reverse Transfer Program

The Reverse Transfer Program is a collaborative effort between North Carolina's Community Colleges and the University of North Carolina's 16 constituent institutions. Students who transfer to UNC Wilmington from one of the 58 North Carolina community colleges are given the opportunity to combine the credits earned at UNCW with credit already earned at the community college to determine if the associate degree requirements have been met. Students have the opportunity to opt-in to this program at the time of admission as a transfer student. There is no cost to participate. For more information, contact the Office of the Registrar.
Eligibility: Students must have earned at least 16 college-level credit hours at one community college applicable towards their degree, to be eligible to participate. After earning a total of 60 combined credits, the student's UNCW records will be sent back to their previous community college for evaluation. The community college will contact students via their UNCW email, with further details, if the Associate degree is awarded.

Service-Learning

Several UNCW courses employ service-learning opportunities. Service learning is an innovative method of teaching and learning that combines thoughtfully organized service to the community with other means of instruction. Community service-projects are integrated into and enhance the academic curriculum of students, fitting naturally into the philosophy and pedagogy of a variety of disciplines and fostering civic responsibility. Both students and the community benefit from service learning. Service-learning courses have several strengths, not the least of which is that they are adaptable to the needs of the community while providing structured time for the students to reflect on the service experience.

Student Conduct

Students share in the responsibility for maintaining an environment in which the rights of each member of the UNCW community are respected. When asked to report to any university office, a student is expected to appear at the time specified or to arrange another appointment. The university conduct system is a cumulative process; consequently, any student found responsible for violating the *UNCW Code of Student Life* may sanction proportional to the severity of the offense(s) and/or related to being found responsible on multiple occasions. All students and their guests shall be responsible for conducting themselves in a manner that helps to enhance an environment of learning in which the rights, dignity, and freedom of each member of the academic community are respected.
In accordance with the Family Educational Rights and Privacy Act (FERPA), upon full participation in university orientation, an individual is considered a UNCW student in attendance and shall maintain that status unless an official university withdrawal is submitted. Students with pending academic or non-academic charges will not be allowed to formally withdraw from the university until the disciplinary process has been completed.

Student Gender-Based/Sexual Misconduct Policy

UNCW is committed to maintaining a positive learning and working environment for students, faculty, and staff. The University prohibits Sex/Gender-Based Harassment, to include sexual assault, sexual exploitation, sexual violence, stalking, and complicity in the commission of any act prohibited by this policy. These offenses are unlawful, undermine the character and purpose of the University, and will not be tolerated. The Student Gender-Based/Sexual Misconduct Policy reflects UNCW's continued commitment to provide a safe and non-discriminatory environment for all members of our campus community consistent with the provisions of applicable local and federal laws. The *Student Gender-Based/Sexual Misconduct Policy* is available in hard copy at the Office of Title IX and Clery Compliance in DePaolo Hall Room 1003 and online
at: http://uncw.edu/policies/documents/04130StudentGenderBasedSexualMisconductPolicy.pdf.

Supplemental Credit

Supplementary Math Credit

Students who complete MAT 161 with a grade of "C" (2.00) or better and who receive no advanced placement credit, no transfer credit, and no prior credit at UNCW in mathematics will receive credit for MAT 112. Students who complete MAT 162 with a grade of "C" (2.00) or better and who receive no advanced placement credit, no transfer credit, and no prior credit at UNCW in mathematics will receive credit for MAT 161. Students who complete MAT 261 with a grade of "C" (2.00) or better and who receive no advanced placement credit, no transfer credit, and no prior credit at UNCW in mathematics will receive credit for MAT 161 and MAT 162.

Supplementary World Language Credit

Students who complete, with a grade of "C" (2.00) or better, a French, German, Japanese, Latin, Portuguese or Spanish course numbered 201 or higher (excluding literature and culture classes taught in English) shall be granted supplemental credit as follows:

· For completion of a 200-level course, student will receive 3 credit hours for the prior course in the sequence. For completion ofSPN 215, students will receive 3 credit hours forSPN 201.

· For completion of a 300-level course in French, German, Latin or Spanish, student will receive 6 credit hours for 201 and 202.

· For completion ofSPN 315, students will receive 6 credit hours forSPN 201andSPN 215.

This credit may be used to fulfill university studies requirements."

Transcripts

Transcripts are permanent student records maintained by the Office of the Registrar. A transcript provides an unabridged chronological listing of the academic history of a student's study at the University of North Carolina Wilmington. This document is forwarded at the request of the student or former student to persons or agencies for

their use in reviewing the academic performance of the student.
The Office of the Registrar issues transcripts to students. Currently enrolled students may request their transcript through mySeaport. Former students may request their transcript through the online ordering portal. Valid picture ID is required for personal pick up of printed transcripts. The fee for each transcript is $8.00 plus delivery costs.
Unless modified in accordance with established procedures, each grade assigned by faculty (including a grade of "W" or a grade in a course that has been repeated) is permanent and cannot be removed from a student's official record or transcript.

Transfer of Credit

Students transferring to UNCW from another accredited college or university will submit their transcripts to the Office of Admission as part of the application process. Transfer credit may be accepted from institutions accredited by the following bodies:

- Southern Association of Colleges and Schools Commission on Colleges (SACSCOC)
- Accrediting Commission for Community and Junior Colleges (ACCJC)
- Higher Learning Commission (HLC)
- Middle States Commission on Higher Education (MSCHE)
- New England Commission of Higher Education (NECHE)
- Northwest Commission on Colleges and Universities (NWCCU)
- Western Association of Schools and Colleges (WASC)

Credit awarded from an institution whose accrediting body is recognized by the U.S. Department of Education as an Institutional Accrediting Agency may be considered for transfer provided the credits are not of a vocational, trade, or technical nature and are not outside the scope of UNCW's mission.
Credit will be awarded for all transferable courses earned at another institution for which a grade of C or better is earned and all official agreements will be followed (e.g. Comprehensive Articulation Agreement). Students may submit an appeal of their transferred credits through the Registrar's Office.
To graduate, students must meet the university's Residency Requirement (see policy). Hours attempted, and grade points earned at other institutions are not used in calculating grade point averages.Transfer credit is used in evaluating eligibility for "Degrees with Distinction". Colleges and Schools may have more restrictive limits based on the needs of the degree programs as published in thecatalogue.

UNCW Policy on Defining a Credit Hour

In defining a credit hour, UNC Wilmington recognizes the University of North Carolina policy on scheduled instructional time or equivalent per credit hour and the Federal definition and Carnegie unit recommendations.
1. For courses taught in a traditional classroom format, a credit hour is normally granted for completion of at least one 50 minute session of classroom instruction per week for 15 weeks, or the equivalent time per semester, and a minimum of 2 hours per week for 15 weeks of out-of-class student work, or the equivalent time per semester.
2. Alternatively, a credit hour may be granted for at least an equivalent amount of work as required in item 1 above for other academic activities or instructional modes of delivery, such as distance education, blended distance and face-to-face instruction, laboratory work, internships, practica, studio work, and other academic work leading to the award of credit hours.
https://uncw4.sharepoint.com/Shared%20Documents/Web/aa/credithourdefinitionpolicy.pdf

Withdrawal Policy for Undergraduate Students

A student may drop any or all courses without academic penalty through the posted drop-add period for the academic term. Any student who withdraws from the university or from individual courses by the withdrawal deadline will receive a grade of "W" for each course withdrawal. A grade of "W" will not affect the student's grade point average. After the posted withdrawal deadline, a grade of "WF" will be assigned for each course withdrawal and will count as GPA hours. If a student is suspended after the deadline for withdrawal with a "W," each instructor shall assign a grade of "WF" or "W" based upon the student's academic performance prior to the suspension. Excluding course withdrawals due to extenuating circumstances, students are limited to a maximum of 16 hours of course withdrawals. After the initial 16 credit hour threshold has been exhausted, students will be required to remain in the course and subject to the grade earned at the conclusion of the semester. Full term withdrawals will not count towards a student's 16-hour course withdrawal threshold.
A student may withdraw from an individual class or classes by the withdrawal

deadline via MySeaport - Students or by reporting to the Office of the Registrar before or on the last day for withdrawal, as indicated in the university calendar. Students participating in abbreviated terms need to be cognizant that the withdrawal period may be very brief. All students should carefully note the last day to withdraw from classes as found in the university calendar.

To withdraw from all classes and the university at any other time during the semester, the student must submit a full term withdrawal request via mySeaport. No withdrawals ("W" or "WF") shall be processed during the final exam period. Refer to the Expenses section of this catalogue for information on the refund policy for complete withdrawal.

Should extenuating circumstances warrant, the grade of "WF" assigned for course withdrawals after the withdrawal deadline may be changed to a '"W". Documented extenuating circumstances may include: death of an immediate family member; traumatic and unforeseen circumstances that are considered beyond a student's control; serious emotional instability, physical injury or illness that has resulted in the student's inability to complete academic responsibilities in a given term. Students should note that poor standing in a course does not constitute an extenuating circumstance in and of itself. Withdrawals due to extenuating circumstances are still subject to all financial aid and SAP rules and calculations.

It is the student's responsibility to initiate an appeal for this change by submitting a written request and supporting written documentation. The student must initiate the appeal with the associate dean who oversees the student's major or Center for Academic Advising director, as appropriate. The Center for Academic Advising may approve or deny this request for a "W." In cases where the request is denied, the student may submit, *within ten regular class days of the dated decision*, a written request for consideration with supporting documentation to the Committee on Withdrawal Appeals. *Grounds for appeals are limited to substantive new evidence or material procedural irregularity*. All decisions made by the Committee on Withdrawal Appeals are final. The written request with supporting documentation must be made as soon as possible after circumstances requiring the withdrawal. At the latest, by the last day of classes in the semester following the one for which the withdrawal is requested. A grade of "WF" that is not appealed successfully remains a permanent part of the student's academic record.

Students should refer to the Scholarships and Financial Aid section related to Policy on Return of Title IV Funds for information about how dropping or withdrawing

impacts financial aid eligibility.

Center for Academic Advising

Center for Academic Advising

UNI 101 - First-Year Seminar

Course Description:
Seminar course designed to support first-year students in optimizing their UNCW experience. With instructor as mentor, approaches to critical thinking are emphasized as students explore the goals of liberal arts learning, academic ethics and strategies, UNCW's common reading, information literacy, self-management, and effective group collaboration.
Credit Hours: 3 Additional Restrictions/Requirements:
Must be taken in the first semester of full-time attendance at UNCW.
University Studies: ["Foundations/First Year Seminar", "Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

UNI 102 - First Yr Seminar-Dept. Partnership

Course Description:
This is a variable credit course 1-3 credits, depending on the need of the department and will either stand alone as a UNI 102 (3 credit course) fulfilling the First Year Seminar requirement or be linked to an Introductory course for the curriculum of the department. This course is designed to ensure that University Studies First Year Seminar requirements are met in connection with partner courses in specific disciplines.
Credit Hours: 1 To 3 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

UNI 110 - Leadership and Service Seminar

Course Description:
Applied learning experience related to leadership and active citizenship concepts.

Identification of community needs and implementation of effective action that promotes positive social change. Emphasis on critical analysis of the needs of the individual and the community, local and global.
Credit Hours: 1 Prerequisite Courses: UNI 101 Additional Restrictions/Requirements:
Prerequisite course and enrollment in the ExCEL Learning Community.
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 1

UNI 120 - Civic Engagement for Pre-Health Students

Course Description:
Prerequisite: Restricted to pre-health students registered with University College pre-professional programs. Civic engagement opportunities and leadership concepts for pre-health students. Applied learning experiences related to civic engagement to include identification of community health care issues and implementation of civic engagement, volunteering, reflection, building leadership skills, and educating others while working towards a successful graduate school application process.
Credit Hours: 2 Additional Restrictions/Requirements:
Sophomore, junior or senior standing and departmental approval required.
University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 2

UNI 201 - Transfer Seminar

Course Description:
Open to transfer students during the first semester of full-time enrollment at UNCW. Seminar course designed to support transfer students in transitioning to campus and optimizing their UNCW learning experience. Critical thinking, information literacy skills, discussion, and group collaboration are emphasized as students focus on issues often important to transfer student success and college success in general.
Credit Hours: 3 University Studies: ["Building Competencies/Information Literacy", "Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

Center for Academic Advising

(https://uncw.edu/academics/advising/advising-center/)
The Center for Academic Advising is the first academic home for all first-year and undeclared transfer students. Support is provided for specific student populations

including pre-professional, military, early college, first-year spring admits, and students between majors. Academic advising, curricular programs, and a number of academic support programs are provided by the Center for Academic Advising staff. The Center for Academic Advising is dedicated to providing assistance and support for new students as they transition into the academic environment. Pre-professional student support is co-sponsored between the Center for Academic Advising and the College of Health and Human Services. Pre-professional student support is available for all students and alums looking to pursue graduate and professional degrees in health sciences and law.

Center for Academic Advising

Academic advising is essential to a successful educational experience. Our rich general education program, University Studies, provides our students with a strong academic foundation to build upon as they pursue their major and career interests. Center for Academic Advising advisors work with students to support their transition into a new academic environment. First-Year and undeclared transfer students declare their major once they have fulfilled academic requirements based on their major.

Students are advised by a professional advisor who provides students with guidance and encouragement in selecting courses and deciding on majors, meeting academic requirements, maintaining required scholastic standards, and considering possible career choices. Advisors meet with students whenever needed, however; it is mandatory for students to meet with their advisor at least twice in the first semester and to support student academic transition and course registration.

Center for Academic Advising advisors provide referrals to various specialized support services within the university to assist students in overcoming personal and academic difficulties, exploring academic options, and achieving academic and personal success. Advisors also monitor their students' mid-semester academic progress and end-of-semester grades. Advisors provide students with critical and timely information related to academic policies, procedures and regulations. Students are encouraged to read all communications from their advisor and the Center for Academic Advising. The Center for Academic Advising implements several intervention programs to help students recover from academic difficulty to regain academic eligibility.

Center for Academic Advising Curriculum

The Center for Academic Advisingoffers a number of credit-bearing courses that support students in making a successful adjustment to college life, developing academic skills, and enriching their educational experience:UNI 101 First-Year Seminar,UNI 201 Transfer Seminar

First-Year Seminar UNI 101

The First-Year Seminar is a graduation requirement taken by all First Year students in their first semester of enrollment. The course provides incoming First year students with skills, strategies, resources, and information necessary to make successful academic, personal, and social transitionto UNCW.The learning outcomes of this course assist students in making a successful adjustment to university life, developingeffective academic strategies and problem solving skills, enhancing information literacy competency, establishing an academic plan, and engaging in career exploration. The small class size allows for mentor relationships with instructors and academic advisors.

Transfer Seminar UNI 102

The Transfer Seminar is a 3 credit, elective seminar-style course that supports transfer students in their transition to UNCW. Students earn 6 hours towards graduation – 3 hours of Information Literacy and 3 hours of Explorations Beyond the Classroom. UNI 201 is only open to transfer students in their first semester (fall or spring) at UNCW. Students will leave UNI 201 with an academic and career plan; a résumé and cover letter; academic strategies and skills; knowledge of campus resources, opportunities, and policies; library and research skills; and community with other transfer students, advisors, and peer mentors.

See also:

- Pre-Professional Programs - Pre-Health and Pre-Law
-

Student-Athlete Support Services is a joint effort between Academic Affairs and the UNCW Athletic Department, which seeks to support the academic enrichment and life skill development of every Seahawk student-athlete. SASS Academic Coordinators work diligently to meet the needs of student-athletes' healthy balance of athletic demands while maintaining satisfactory academic standards.

Once student-athletes are admitted to the university, Student-Athlete Support

Services Academic Coordinators assist them with registration, sequencing and scheduling of required courses, and selection of a major. They also arrange tutoring assistance and monitor student-athletes' grades, class attendance, study habits, and progress toward a degree. When a student-athlete declares his or her major, the Academic Coordinators continue to monitor academic performance and progress in conjunction with the student-athlete's departmental advisor.
Central to the role of SASS is the maintenance of a strong working relationship between the program advisors and the university's athletic department and coaches. The Academic Coordinators are knowledgeable about NCAA and CAA rules that apply to eligibility for practice and competition. They are available for consultation when unusual or difficult rule interpretations are needed. They also play a key role in the athletic certification process for all student-athletes.

Student-Athlete Academic Eligibility Requirements

Student-Athlete Support Services helps to monitor the academic progress of each student-athlete as it relates to NCAA, CAA and institutional rules and regulations. The following are examples of rules applying to a student-athlete's academic progress:

- Student-athletes must be enrolled in no fewer than 12 semester hours (full-time) during the fall and spring semesters to be eligible for practice, competition and financial aid.
- Student-athletes must earn at least six (6) semester hours each semester to be eligible for the following semester.
- Student-athletes must earn 18 semester hours during the regular academic year (fall and spring).
- The NCAA requires student-athletes to maintain progress towards a degree and has set benchmarks they must meet throughout their career. Student-athletes must earn: 24 hours prior to the start of their third semester; 40% of a degree prior to the start of their fifth semester; 60% of a degree prior to the start of their seventh semester; 80% of a degree prior to the start of their ninth semester.
- The NCAA requires a student-athlete to designate a major by the beginning of their fifth semester, or to be
taking major courses that lead to a degree, as certified by the dean or an appropriate academic advisor.
- Student-athletes must meet UNCW and NCAA minimum cumulative grade point averages in

order to compete.
- In order to determine initial athletic eligibility, all student-athletes must be approved through the NCAA Eligibility Center.
- Earn a minimum of 6 credit hours each semester to maintain eligibility for the following semester.
- Earn 18 credit hours during the regular academic year (fall and spring semesters).
- Earn 24 credit hours before the start of the third semester of enrollment.
- Maintain at least a 1.80 cumulative GPA.
- Earn a minimum of 6 credit hours each semester to maintain eligibility the following semester.
- Maintain at least a 1.80 cumulative GPA through the third semester for eligibility the following semester.
- Earn 18 credit hours during the regular academic year (fall and spring semesters).
- Declare a major.
- Meet 40% of degree requirements.
- Maintain at least a 1.90 cumulative GPA.
- Complete a minimum of 6 degree applicable hours each semester for eligibility the following semester.
- Maintain at least a 1.90 cumulative GPA through the fifth semester for eligibility the following semester.
- Earn 18 degree applicable hours during the regular academic year (fall and spring semesters).
- Meet 60% of degree requirements.
- Maintain at least a 2.00 cumulative GPA.
- Earn a minimum of 6 degree applicable hours each semester for eligibility the following semester.
- Maintain at least a 2.00 cumulative GPA through the seventh semester for eligibility the following semester.
- Earn 18 degree applicable hours during the regular academic year (fall and spring semesters).
- Earn 80% of degree requirements.
- Maintain at least a 2.00 cumulative GPA.
- University Studies Program

Center for Academic Advising Curriculum

The Center for Academic Advising offers a number of credit-bearing courses that support students in making a successful adjustment to college life, developing academic skills, and enriching their educational experience: UNI 101 First-Year Seminar, UNI 201 Transfer Seminar, UNI 120 Civic Engagement for Pre-Health Students.

First-Year Seminar UNI 101

The First-Year Seminar is a graduation requirement taken by all freshmen in their first semester on campus. The course provides incoming freshmen with skills, strategies, resources, and information necessary to make a successful academic, personal, and social transition to UNCW. The learning outcomes of this course assist students in making a successful adjustment to university life, developing effective academic strategies and problem solving skills, enhancing information literacy competency, establishing an academic plan, and engaging in career exploration. The small class size allows for mentor relationships with instructors and academic advisors.

Transfer Seminar UNI 201

The Transfer Seminar is a 3 credit, elective seminar-style course that supports transfer students in their transition to UNCW. Students earn 6 hours towards graduation – 3 hours of Information Literacy and 3 hours of Writing Intensive Competencies. UNI 201 is only open to transfer students in their first semester (fall or spring) at UNCW. Students will leave UNI 201 with an academic and career plan; a résumé and cover letter; academic strategies and skills; knowledge of campus resources, opportunities, and policies; library and research skills; and community with other transfer students, advisors, and peer mentors.

Civic Engagement for Pre-Health Students UNI 120

Civic Engagement for Pre-Health Students is a course designed to facilitate civic engagement for pre-health students. Students will gain a better understanding of becoming an engaged citizen in the pre-health community by volunteering, reflecting on experiences, building leadership skills and educating others. This course will provide pre-health students with opportunities to engage in meaningful service in the local community and gain a broad understanding of strong leadership that can impact change in healthcare while preparing for a successful graduate school application process. This course fulfills the Explorations Beyond the Classroom graduation requirement.

About the Center for Academic Advising

Academic advising is essential to a successful educational experience. Our rich general education program, University Studies, provides our students with a strong academic foundation to build upon as they pursue their major and career interests. Center for Academic Advising advisors work with students to support their transition into a new academic environment. Freshmen and undeclared transfer students declare their major once they have fulfilled appropriate requirements based on their major.

Students are advised by a professional advisor who provides students with guidance and encouragement in selecting courses and deciding on majors, meeting academic requirements, maintaining required scholastic standards, and considering possible career choices. Advisors meet with students whenever needed, however; it is mandatory for students to meet with their advisors at least twice in their first semester and once thereafter to assist with their academic transitions and to plan for course registration.

Center for Academic Advising advisors can provide students with referrals to various specialized support services within the university to assist them in overcoming personal and academic difficulties, exploring academic options, and achieving academic and personal success. Advisors also monitor their students' mid-semester academic progress and their end-of-semester grades and support students who are looking for new opportunities or experiencing academic difficulty. Advisors provide students with critical and timely information related to academic policies, procedures and regulations. Students are encouraged to read all communications from their advisor and Center for Academic Advising. The Center for Academic Advising implements several intervention programs to help students recover from academic difficulty to regain academic eligibility.

Pre-Professional Programs

Center for Academic Advising and the College of Health and Human Services jointly offers Pre-Professional Programs including one-on-one advising, programming and courses for all students interested in pursuing a graduate degree in legal education or admission to a professional school of health. Advisors are available by appointment or during drop-in hours and can assist students with navigating application timelines, requirements, and program prerequisites. Students are encouraged to get involved with volunteer opportunities, leadership roles in campus

clubs and organizations, and take advantage of the Pre-Professional Programs' curricular programs and workshops that are offered to enhance their candidacy for graduate programs. Students can enroll with Pre-Professional Programs electronically by logging into MySeaport. For more information regarding pre-professional advising at UNCW, visit the Pre-Professional Programs website at www.uncw.edu/preprofessional or call (910) 962-3245.

Pre-Health

Students who are considering graduate programs in Allopathic Medicine, Chiropractic, Dentistry, Occupational Therapy, Optometry, Osteopathic Medicine, Pharmacy, Physical Therapy, Physician Assistant, Podiatry, Public Health, and Veterinary Medicine are considered pre-health students. Pre-Health is not a major and students are not required to major in science to pursue a pre-health profession. While many students pursue majors in the natural sciences, they do so because of their interest in those fields rather than strictly to prepare for graduate school. Students can choose to declare any major and remain eligible for graduate school as long as the student satisfies the prerequisite courses necessary for admission.

Undeclared students with less than 24 credit hours can find course recommendations available on the Pre-Professional Programs website: at https://uncw.edu/preprofessional/prehealth/iDeclndex.html.

Declared students with 24 or more credit hours can find more information about Pre-Health Programs as well as setting an appointment with a Pre-Health Coach on the Pre-Health Programs website at: https://uncw.edu/preprofessional/prehealth/iDeclndex.html.

Pre-Law

Students who plan to prepare for law school may select a major in any discipline that fulfills the requirements for a baccalaureate degree at UNCW. The College of Humanities, Social Sciences, and the Arts offers a pre-law minor designed to prepare students with the foundational knowledge, critical thinking abilities, and other essential skills to success in the field of law.

Students should be aware of the Association of American Law Schools'

recommendation to identify basic skills and insights it believes fundamental to the later attainment of legal competence. These are (a) comprehension and expression in words; (b) critical understanding of human institutions and values with which the law deals; and (c) creative power in thinking. In order to develop these capacities, the association recommends a pre-legal education of the "broadest scope." To accomplish these goals, UNCW offers a wide range of pre-law courses. Regardless of the major, the pre-law student should be zealous in the selection of electives that will facilitate critical understanding of economic, political, and social institutions. Additional recommendations are available on the Pre-Professional Programs website at https://uncw.edu/academics/advising/university-college/student-populations/preprofessional/

University Studies

The University of North Carolina Wilmington offers undergraduate programs leading to the Bachelor of Arts, the Bachelor of Fine Arts, the Bachelor of Music, the Bachelor of Science, the Bachelor of Science in Nursing, and the Bachelor of Social Work degrees. Graduate programs lead to the Master of Arts, Master of Arts in Teaching, Master of Business Administration, Master of Education, Master of Fine Arts in creative writing, Master of Public Administration, Master of School Administration, Master of Science, Master of Science in Accountancy, Master of Science Nursing, Master of Social Work, Doctor of Education in educational leadership, Doctor of Nursing Practice and Doctor of Philosophy in marine biology and applied and experimental psychological science degrees. Professional undergraduate programs include those offered in the Cameron School of Business, the Watson College of Education, and the College of Health and Human Services (School of Health and Applied Human Services, School of Nursing, and School of Social Work). Pre-professional programs are offered in allied health, health-related careers, dentistry, law, medicine, optometry, pharmacy, physical therapy, podiatry and veterinary medicine. The university offers special programs in marine and environmental sciences, 2+2 and 3+2 programs in engineering, as well as a number of opportunities for students to enrich their course of study throughout their academic careers as undergraduates.

University Studies Program

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The University Studies Program at UNCW encourages students to begin a life-long journey of engaged inquiry and societal contribution. As a consciously integrated component of each student's overall educational experience, the program reflects our institution's fundamental commitment to fostering ethical and intellectual development and to promoting the growth of well-informed, creative, literate members of society. The University Studies Program first establishes the basis of an essential liberal education through a multi-faceted exploration of our diverse intellectual heritage. As it extends through each student's educational career, the University Studies Program builds upon this foundation through a course of study designed to cultivate the skills and capacities students require to respond to and anticipate the complexities of modern citizenship in an inclusive and creative manner.

Students who meet the requirements of the University Studies program will:

Goal 1.	Acquire foundational knowledge, theories and perspectives in a variety of disciplines (*Foundational Knowledge*);
Goal 2.	Engage in rigorous, open-minded and imaginative inquiry (*Inquiry*);
Goal 3.	Locate, evaluate, and effectively use information by applying a variety of academic and technological skills (*Information Literacy*);
Goal 4.	Integrate multiple methods and perspectives to critically examine complex problems (*Critical Thinking*);
Goal 5.	Effectively express meaningful ideas in speech and writing (*Thoughtful Expression*);

Students who have not qualified for advanced placement but who because of special circumstances may have writing competencies equal or superior to those required in ENG 101, ENG 103, or ENG 201 may present evidence of these writing competencies to the chairperson of the Department of English and request a waiver. At the chair's discretion, either or both requirements may be waived. This waiver does not grant academic credit.

First-Year Seminar

Students who meet any of the following conditions will be waived from the UNI 101 requirement:

- Transfer students.
- Re-enrolling students who have returned and have 27 hours of academic credit (UNCW and transfer credit).
- The Associate Provost for Academic Advising will determine if an academically ineligible re-instated student needs to meet this requirement.

Mathematics

Students who have not qualified for advanced placement but who may have competencies equal or superior to those required for successful completion of MAT 151 or MAT 161 may, at the discretion of the chairperson of the Department of Mathematics and Statistics, take a waiver examination for either of these courses. An acceptable score on this exam waives the requirement that one of the introductory mathematics courses be taken. This waiver does not grant academic credit.

Lifetime Wellness

Students who meet either of the following conditions will be waived from the Lifetime Wellness requirement: 1.) Current military personnel or veterans who have served two or more years active duty; and 2.) students who are 55 or older.

Students with Existing Degrees

For students who already possess an undergraduate degree from an accredited college or university that is not part of the UNC system, the Director of University Studies (or her/his designee), after consultation with the chair(s) of the academic unit(s) through which the student is pursuing the second degree, will determine the extent to which the previous course work meets the spirit of UNCW's current University Studies requirements and will determine any remaining requirements to be completed.

Students who are transferring to UNCW for a second baccalaureate after having earned a baccalaureate at any UNC system institution will be given a waiver for all University Studies requirements in the Core Curriculum, as well as three credits each in the Writing Intensive and the

Information Literacy competencies.

Required Physical Activity as part of the Lifetime Wellness Requirement

As part of the Lifetime Wellness requirement (currently fulfilled only by WPA 101 Wellness and Physical Activity and WPAL 101 WPAL 101 - Wellness and Physical Activity Lab - Olsen), you will be required to participate in physical activity. It is strongly suggested that you visit a medical professional and obtain a physical prior to the beginning of WPA 101 Wellness and Physical Activity and WPAL 101 WPAL 101 - Wellness and Physical Activity Lab - Olsen. If you have not previously had a physical within 14 months of the start of class, you may be required to obtain a physical and place it on file with the Student Health Center prior to being allowed to participate in the class. This decision will be based upon information you will provide your instructor on the first day of class. If a physical is required, you will have 14 days to complete the physical in order to continue in the course. Failure to obtain a physical after being instructed to do so could result in being dropped from WPA 101 Wellness and Physical Activity and WPAL 101 WPAL 101 - Wellness and Physical Activity Lab - Olsen. Any restrictions placed on your participation following a physical, however, will not adversely affect your grade.

University Studies Waiver

North Carolina Community College transfer students, who have earned an AA, AS, AE, AFA, AATP, or ASTP degree meeting the requirements of the North Carolina Comprehensive Articulation Agreement (CAA)will receive a waiver of all University Studies requirements in the Core Curriculum, as well as three credits each in the Writing Intensive and the Information Literacy competencies.
Students transferring from a UNC system institution who have completed the General Education requirements at that institution will receive a waiver of all University Studies requirements in the Core Curriculum, as well as three credits each in the Writing Intensive and the Information Literacy competencies.
All other transfer students will be held to University Studies in its entirety.

University Studies Program

University Studies Program

The University Studies Program at UNCW encourages students to begin a life-long journey of engaged inquiry and societal contribution. As a consciously integrated component of each student's overall educational experience, the program reflects our institution's fundamental commitment to fostering ethical and intellectual development and to promoting the growth of well-informed, creative, literate members of society. The University Studies Program first establishes the basis of an essential liberal education through a multi-faceted exploration of our diverse intellectual heritage. As it extends through each student's educational career, the University Studies Program builds upon this foundation through a course of study designed to cultivate the skills and capacities students require to respond to and anticipate the complexities of modern citizenship in an inclusive and creative manner.

Students who meet the requirements of the University Studies program will:

Goal 1. Acquire foundational knowledge, theories and perspectives in a variety of disciplines (*Foundational Knowledge*);

Goal 2. Engage in rigorous, open-minded and imaginative inquiry (*Inquiry*);

Goal 3. Locate, evaluate, and effectively use information by applying a variety of academic and technological skills (*Information Literacy*);

Goal 4. Integrate multiple methods and perspectives to critically examine complex problems (*Critical Thinking*);

Goal 5. Effectively express meaningful ideas in speech and writing (*Thoughtful Expression*);

Goal 6. Demonstrate basic proficiency in speaking, listening, writing and reading in a language in addition to English (*Foreign Language*);

Goal 7. Describe and examine the importance and implications of human diversity (*Diversity*);

Goal 8. Describe and examine the intellectual and ethical responsibilities of active global citizenship (*Global Citizenship*).

University Studies Curriculum

University Studies

Categories in this section include:

University Studies Requirements
Curriculum Categories
Waiver of Requirements
Required Physical Education
Transfer Students and University Studies

University Studies Requirements:

Any courses added to University Studies *during* and *after* a student's catalogue year are **eligible to fulfill** University Studies requirements. If a student takes a course *before* its addition to University Studies, the course *may not* automatically fulfill University Studies requirements. Transfer courses fulfill University Studies requirements based on the date of their catalogue year.

Curriculum Categories:

The Core Curriculum

I. Foundations
II. Approaches and Perspectives

Other Requirements

III. Building Competencies
IV. Explorations Beyond the Classroom
V. Critical Reasoning

Waiver of Requirements:

English:

Students who have not qualified for advanced placement but who because of special circumstances may have writing competencies equal or superior to those required in ENG 101, ENG 103, or ENG 201 may present evidence of these writing competencies to the chairperson of the Department of English and request a waiver. At the chair's discretion, either or both requirements may be waived. This waiver does not grant academic credit.

First-Year Seminar

Students who meet any of the following conditions will be waived from the UNI 101 requirement:

- Transfer students.
- Re-enrolling students who have returned and have 27 hours of academic credit (UNCW and transfer credit).
- The Director of University College will determine if an academically ineligible re-instated student needs to meet this requirement.

Mathematics:

Students who have not qualified for advanced placement but who may have competencies equal or superior to those required for successful completion of MAT 151 or MAT 161 may, at the discretion of the chairperson of the Department of Mathematics and Statistics, take a waiver examination for either of these courses. An acceptable score on this exam waives the requirement that one of the introductory mathematics courses be taken. This waiver does not grant academic credit.

Lifetime Wellness:

Students who meet either of the following conditions will be waived from the Lifetime Wellness requirement: 1.) Current military personnel or veterans who have served two or more years active duty; and 2.) students who are 55 year of age or greater.

Students with Existing Degrees:

For students who already possess an undergraduate degree from an accredited college or university, including UNCW, the dean of Undergraduate Studies (or her/his designee), after consultation with the chair(s) of the academic unit(s) through which the student is pursuing the second degree, will determine the extent to which the previous course work meets the spirit of UNCW's current University Studies requirements and will determine any remaining requirements to be completed.

Students who are transferring to UNCW for a second baccalaureate after having earned a baccalaureate at any UNC institution with a general education requirement will be given a waiver for the following University Studies requirements: First Year Seminar, Composition; Lifetime Wellness; Mathematics and Statistics; Aesthetic, Interpretive, & Literary

Perspectives; Historical and Philosophical Approaches; Scientific Approaches to the Natural World; and Understanding Human Institutions and Behaviors. For the foreign language requirement, all students should first consult with the dean of the College of Humanities, Social Sciences, and the Arts.

Required Physical Activity as part of the Lifetime Wellness requirement:

As part of the Lifetime Wellness requirement (currently fulfilled only by WPA 101 Wellness and Physical Activity and WPAL 101 WPAL 101 - Wellness and Physical Activity Lab - Olsen), you will be required to participate in physical activity. It is strongly suggested that you visit a medical professional and obtain a physical prior to the beginning of WPA 101 Wellness and Physical Activity and WPAL 101 WPAL 101 - Wellness and Physical Activity Lab - Olsen. If you have not previously had a physical within 14 months of the start of class, you may be required to obtain a physical and place it on file with the Student Health Center prior to being allowed to participate in the class. This decision will be based upon information you will provide

your instructor on the first day of class. If a physical is required, you will have 14 days to complete the physical in order to continue in the course. Failure to obtain a physical after being instructed to do so could result in being dropped from WPA 101 Wellness and Physical Activity and WPAL 101 WPAL 101 - Wellness and Physical Activity Lab - Olsen. Any restrictions placed on your participation following a physical, however, will not adversely affect your grade.

Transfer Students and University Studies

North Carolina Community College transfer students, who have earned an AA or AS degree meeting the requirements of the North Carolina Comprehensive Articulation Agreement (CAA) will receive a waiver of Foundations and Approaches & Perspectives requirements with the exception of Lifetime Wellness; foreign language; and 3 credits from Living in Our Diverse Nation or Living in a Global Society. They will also receive a waiver of 3 credits each of Writing Intensive, Information Literacy and Critical Reasoning competency requirements. AS and AA degree-holding transfer students will be held to all other University Studies requirements. All other transfer students will be

held to University Studies in its entirety, with the exception of First Year Seminar.

University Studies includes both lower division general education components and graduation requirements related to the major. For those articulation agreements specifying transfer of lower division general education requirements, lower division general education components of University Studies include: Foundations, Approaches & Perspectives (only 3 credits of Living in Our Global Society or Living in Our Diverse Nation may apply as lower division credit), 3 credits of Critical Reasoning, 3 credits of Writing Intensive Competency, and 3 credits of Information Literacy Competency. Note that other credit meeting University Studies requirements may transfer on a course-by-course basis and some courses may be exempted by specific agreements (e.g. lifetime wellness and foreign language requirements by the Comprehensive Articulation Agreement).

Undergraduate Degrees Offered By Type

Major

Art History, B.A.

The Art History major provides a dynamic and diverse pathway for studying the Arts and the historical contexts in which they were produced. Art History is a truly multidisciplinary major, one where students learn and work within the tenets of History, Philosophy, Sociology, Psychology, and Anthropology, among others. A major in Art History develops critical and analytical thinking, enhances oral and written communication skills, develops a broadened world view and historical perspective, and more. Majors will discover that a wide variety of career options are available to them thanks to the skill set with which they will leave UNCW.

Oral Communication Requirement

To satisfy the oral communication requirement for the B.A. degree in Art History, a student must successfully complete an oral defense of their research in ARH 476 .

Applied Learning Requirement

To satisfy the applied learning requirement for the B.A. degree in Art History, a student must successfully complete ARH 476.

Requirements for a Major in Art History for the B.A. Degree

Core Courses (12 Credit Hours)

ARH 201 - Ancient Art and Archaeology

Introduction to the art and cultures of ancient Egypt, the Near East, and the Mediterranean. Emphasis on architecture, painting, sculpture, and objects of daily life to inform the myths and histories of ancient civilizations connected to the broader Mediterranean basin.

Credit Hours: 3

University Studies: Approaches and

Perspectives/Aesthetic, Interpretive, and Literary Perspectives
Course Repeatability: Course may not be repeated.

ARH 202 - Medieval and Early Modern Art

Study of the major developments in global art, including painting, sculpture, and architecture from the late Medieval through the Early Modern period. Subject, style, formal qualities, patronage, significance, and the place of works of art in their respective religious, social, and political context.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives
Course Repeatability: Course may not be repeated.

ARH 204 - Art of the Modern World

Examination of major monuments, artists, and artistic developments from the 19th to the late 20th century, primarily in Europe and the Americas. Study of the relationship between works of art and the historical,

political, religious, and philosophical context of the societies that produced and made use of them.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives
Course Repeatability: Course may not be repeated.

ARH 476 - Art History Capstone Seminar

Integration of principles, theories, and methods learned throughout the art history major. Students creatively analyze, synthesize, and evaluate learned knowledge in a research project with a focus that changes yearly. The course culminates in a research paper and art exhibition (directed by one faculty member), working with original art and artifacts presented in a venue on the UNCW campus, and concluding in an oral defense presentation.

Credit Hours: 1 To 3

Additional Restrictions/Requirements: Senior

standing.
University Studies: Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

Required Core Elective Courses (12 Credit Hours)

12 hours in Art History at the 300-400 level according to the distribution requirements listed below:

3 Credit Hours: Pre-1600 (300 level)

ARH 300 - Egyptian Art

A study of the art and culture of ancient Egypt, from 3000 BC to the third century BC. Emphasis on architecture, sculpture, and painting as related to Egyptian history, culture, and religion.

Credit Hours: 3

Prerequisite Courses: ARH 201 or ARH 202 or ARH 204 or consent of instructor.
Course Repeatability: Course may not be repeated.

ARH 301 - Ancient Greek Art

A study of the art of the Aegean and ancient Greece, from 3000 B.C. to the first century B.C. Emphasis on architecture, painting, and sculpture as related to ancient history and culture.

Credit Hours: 3

Prerequisite Courses: ARH 201 or ARH 202 or ARH 204 or consent of instructor.
Course Repeatability: Course may not be repeated.

ARH 302 - Ancient Roman Art

A study of the art of Etruria and Rome from the sixth century B.C. to 350 A.D. Emphasis on architecture, painting, and sculpture as related to ancient history and culture.

Credit Hours: 3

Prerequisite Courses: ARH 201 or ARH 202 or ARH 204 or consent of instructor.
Course Repeatability: Course may not be repeated.

ARH 303 - Medieval Art

Study of European art from Early Christian times through the Gothic period in Europe. Emphasis on architecture, painting, sculpture, and graphics as related to medieval history and culture.

Credit Hours: 3

Prerequisite Courses: ARH 201 or ARH 202 or ARH 204
Additional Restrictions/Requirements: Consent of instructor can be given in place of prerequisites.
Course Repeatability: Course may not be repeated.

ARH 304 - Northern Renaissance Art

Study of the art in Northern Europe, exclusive of Italy, from 1200 to 1600 A.D. Emphasis on architecture, painting, sculpture, and graphics as related to the history and culture of the period.

Credit Hours: 3

Prerequisite Courses: ARH 201 or ARH 202 or ARH 204
Additional Restrictions/Requirements: Consent of

instructor can be given in place of prerequisites.
Course Repeatability: Course may not be repeated.

ARH 305 - Italian Renaissance Art

Study of art in Italy from 1200 to 1600 A.D. Emphasis on architecture, painting, sculpture, and graphics as related to history and culture of the period.

Credit Hours: 3

Prerequisite Courses: ARH 201 or ARH 202 or ARH 204
Additional Restrictions/Requirements: Consent of instructor can be given in place of prerequisites.
University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

ARH 321 - Art and Archaeology of the Ancient Near East

Study of art and archaeology as well as the history of Ancient Near East (Mesopotamia, Syria, Turkey, Iran) beginning with state formation in the 4th millennium BCE and ending with the Persian Empire in the 4th

century BCE.

Credit Hours: 3

Prerequisite Courses: ARH 201 or ARH 202 or ARH 204
Additional Restrictions/Requirements: Consent of Instructor can be given in place of prerequisites.
Course Repeatability: Course may not be repeated.

ARH 380 - Early Christian and Byzantine Art

Study of early Christian visual culture from the Late Roman through the Byzantine Empire, concluding with images of the 8th century iconoclastic controversy.

Credit Hours: 3

Prerequisite Courses: ARH 201 or ARH 202 or ARH 204
Additional Restrictions/Requirements: Consent of Instructor can be given in place of prerequisites.
Course Repeatability: Course may not be repeated.

ARH 381 - Classical Myth in Western Art

Exploration of how Greek mythological stories have been used in the Western artistic tradition, following key mythological figures who regularly appear in art from the tenth century BCE to today, addressing changes in tradition, narrative, and intent.

Credit Hours: 3

Prerequisite Courses: ARH 201 or ARH 202 or ARH 204
Additional Restrictions/Requirements: Consent of Instructor can be given in place of prerequisites.
Course Repeatability: Course may not be repeated.

3 Credit Hours: Since 1600 (300 level)

ARH 306 - Baroque & Rococo Art

Study of the aesthetic, social, and political dimensions of Baroque and Rococo art from its origins in Europe through its diffusion into the Americas, Africa, and Asia. Focus on visual and material culture characterized by the expanding trade networks, colonization, technological innovations, and religious reform of the global Baroque period.

Credit Hours: 3

Prerequisite Courses: ARH 201 or ARH 202 or ARH 204
Additional Restrictions/Requirements: Consent of instructor can be given in place of prerequisites.
University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

ARH 307 - Nineteenth Century European Art

Study of nineteenth century European art with an emphasis on architecture, painting, sculpture, and graphics as related to European history and culture of the period.

Credit Hours: 3

Prerequisite Courses: ARH 201 or ARH 202 or ARH 204
Additional Restrictions/Requirements: Consent of instructor can be given in place of prerequisites.
Course Repeatability: Course may not be repeated.

ARH 309 - Art of the United States

Study of art in the United States from first explorations to World War II, exclusive of that produced by indigenous peoples. Emphasis on architecture, painting, sculpture, and graphics as related to history and culture.

Credit Hours: 3

Prerequisite Courses: ARH 201 or ARH 202 or ARH 204
Additional Restrictions/Requirements: Consent of instructor can be given in place of prerequisites.
University Studies: Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.

ARH 311 - Contemporary Art

Broad survey of contemporary art from 1960 to the present. Western (American, European) art will be considered alongside art from other regions of the world such as Asia, Africa, and the Middle East. Special emphasis will be placed on the relationship between contemporary art and the social contexts and changes that mark this period.

Credit Hours: 3

Prerequisite Courses: ARH 201 or ARH 202 or ARH 204
Additional Restrictions/Requirements: Consent of instructor can be given in place of prerequisites.
University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

ARH 312 - Women in Art

Historical survey of women artists and their artistic contributions, as well as an examination of the religious, mythological, and secular images of women in art.

Credit Hours: 3

Prerequisite Courses: ARH 201 or ARH 202 or ARH 204
Additional Restrictions/Requirements: Consent of instructor can be given in place of prerequisites.
University Studies: Common Requirements/Critical

Reasoning
Course Repeatability: Course may not be repeated.

ARH 313 - Modern Architecture & Urbanism

Study of the built environment globally from the 19th century until today. Considers modernity in relation to architecture, urbanism, and the theories of these disciplines. A chronological and thematically organized examination of key movements, architects, projects, debates, and technologies.

Credit Hours: 3

Prerequisite Courses: ARH 201 or ARH 202 or ARH 204.
Additional Restrictions/Requirements: Consent of Instructor can be given in place of prerequisites.
Course Repeatability: Course may not be repeated.

ARH 314 - Art of the Cold War, 1945-1989

Examination of the major artistic developments of the mid-twentieth century during the Cold War period. Exploration of significant currents of art production, key players, movements, and institutions on a global scale,

reflecting the worldwide implications of Cold War tensions.

Credit Hours: 3

Prerequisite Courses: ARH 201 or ARH 202 or ARH 204
Additional Restrictions/Requirements: Consent of Instructor can be given in place of prerequisites.
Course Repeatability: Course may not be repeated.

ARH 320 - African Art

Study of sub-Saharan African art and architecture from prehistoric times to the present. Special emphasis placed on form, content, function, and meaning, as well as the impact of African art on modern and African American art.

Credit Hours: 3

Prerequisite Courses: ARH 201 or ARH 202 or ARH 204
Additional Restrictions/Requirements: Consent of

Instructor can be given in place of prerequisites.
Course Repeatability: Course may not be repeated.

ARH 325 - Islamic Art

Study of the art and architecture of the Islamic world from the 7th century to the 17th century. Emphasis on architecture, painting, and metal arts as related to the history and culture of Muslim peoples. Special attention is focused on intersection and exchange between Islam and the west.

Credit Hours: 3

Prerequisite Courses: ARH 201 or ARH 202 or ARH 204
Additional Restrictions/Requirements: Consent of Instructor can be given in place of prerequisites.
Course Repeatability: Course may not be repeated.

ARH 330 - Art of the Non-Western World

Study of the history of art and diverse cultures in Asia, the Islamic World, the Americas, Oceania, and Africa. Emphasis on objects of fine art and material culture placed within their cultural contexts.

Credit Hours: 3

Prerequisite Courses: ARH 201 or ARH 202 or ARH 204
Additional Restrictions/Requirements: Consent of Instructor can be given in place of prerequisites.
Course Repeatability: Course may not be repeated.

ARH 384 - History of Graphic Design

Examines the evolution of graphic design from prehistory through postmodern design and the digital revolution. Explores the history of visual communication as developed by ancient cultures through the present day with an emphasis on commercial design, illustration, typographic development and technological invention.

Credit Hours: 3

Prerequisite Courses: ARH 201 or ARH 202 or ARH 204
Additional Restrictions/Requirements: Consent of

Instructor can be given in place of prerequisites.
Course Repeatability: Course may not be repeated.

ARH 385 - History Of Printmaking

Survey of printed pictures from the 15th century to the present. Emphasis on the evolution of printmaking with specific attention to its practical applications, as well as its function as fine art.

Credit Hours: 3

Prerequisite Courses: ARH 201 or ARH 202 or ARH 204
Additional Restrictions/Requirements: Consent of Instructor can be given in place of prerequisites.
Course Repeatability: Course may not be repeated.

ARH 386 - History of Photography

Introduction to the history of photography from its invention in 1839 until the present day. Emphasis on the development of techniques, imagery, and aesthetics of photography as art and documentation.

Credit Hours: 3

Prerequisite Courses: ARH 201 or ARH 202 or ARH 204
Additional Restrictions/Requirements: Consent of Instructor can be given in place of prerequisites.
Course Repeatability: Course may not be repeated.

ARH 391 - Introduction to Art Museums

Introduction to the history and theory of art museums and cultural institutions dedicated to the preservation and exhibition of art, visual and material culture. Critical examination of art museums through topics including curating, education, ethics, contemporary issues, and technology.

Credit Hours: 3

Prerequisite Courses: ARH 201 or ARH 202 or ARH 204.
Course Repeatability: Course may not be repeated.

6 Credit Hours: Special Topics (400 level)

ARH 401 - Special Topics in Ancient Art

Research and exploration of select themes in Ancient art. Examples of themes: Greek Sculpture, Roman Sculpture, Pompeii.

Credit Hours: 3

Prerequisite Courses: ARH 201 and ARH 202 and ARH 204, or consent of the instructor.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6 **Repeat Limit:** 1

ARH 402 - Special Topics in Medieval and Early Modern Art

Research and exploration into selected themes in Medieval and Early Modern art, such as the Gothic cathedral, pilgrimage arts, manuscripts and incunabula; Jan van Eyck or other specific artists.

Credit Hours: 3

Prerequisite Courses: ARH 201 and ARH 202 and ARH 204, or consent of instructor.
Course Repeatability: Course may not be repeated.

ARH 403 - Special Topics in the Art of the Modern World

Research and exploration into selected themes in Modern and Contemporary art from a global perspective, beginning with the Impressionists and including women and artists of color. Investigation and discussion of aesthetics in cultural, social, religious, and/or political contexts.

Credit Hours: 3

Prerequisite Courses: ARH 201 and ARH 202 and ARH 204, or consent of instructor.
University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

Elective Courses (18 Credit Hours)

•A minimum of 9 hours of additonal 300-400 level ARH courses.

•A maximum of 9 hours of supporting area courses

(300-400 level). Supporting area courses must be related to ARH field of study as approved by faculty advisor.

Total Credit Hours: 42

Additional Information

No more than 3 hours of ARH 491 or 3 hours of ARH 498 may be counted toward the major.

A grade of C or better is required for each course counted toward the major.

To complete a double major in art history and studio art, a student must completeART 101, ART 102, ART 111,ART 203, ART 211, ART 476, and 21 hours chosen from at least two different studio areas.

Bachelor of Science in Nursing, B.S.N.

The baccalaureate program in the School of Nursing is approved by the North Carolina Board of Nursing and

accredited by the Commission on Collegiate Nursing Education (CCNE), 655 K Street, NW, Suite 750, Washington, DC 20001, (202) 887-6791.In order to be eligible to begin practice as a registered nurse, each graduate must obtain a satisfactory score on the National Council Licensure Examination for Registered Nurses (NCLEX-RN).

The purpose of the baccalaureate program in nursing is to prepare a generalist who possesses the knowledge, skills, and competencies with which to practice family-centered nursing in a variety of current and emerging health care delivery systems. In addition, the program is designed to provide a foundation for graduate nursing education. Through interactions with clients–individual persons, families and communities–and other health care professionals, nursing graduates will contribute toward meeting the wide-ranging needs of the region, state, and the larger community.

Students in the nursing major must select one of three options: prelicensure for individuals who are not already licensed as registered nurses, RN-BSN (Registered Nurse to Bachelor of Science) for individuals who possess the registered nurse license, or Accelerate (2nd Degree) for those individuals who

possess a bachelors degree in another field and are not already licensed as registered nurses. The program of study for the School of Nursing as described in this catalogue, is consistent with national accreditation standards, and approved by the North Carolina Board of Nursing, the University Curriculum Committee, and the Faculty Senate.

Curriculum Plan:

The learning outcomes of the BSN curriculum program outcomes align with the new AACN Essentials, Code of Ethics, and QSEN.

Student Learning Outcomes:
1) Demonstrate foundational clinical judgement and innovative practice by integration, translation, and application of nursing knowledge. (AACN:1, COE: 1&4)
2) Apply evidence based, individualized holistic care to achieve positive health outcomes. (AACN:2, COE 1,2,3, QSEN 1)
3) Collaborate with other health professionals, community partners and the public to protect human rights, promote health and reduce health disparities. (AACN:3, COE 8)
4) Apply evidence-based knowledge to advance

individual and population health. (AACN:4, COE:7, QSEN:3)
5) Integrate safety and quality as essential components of practice. (AACN:5, COE:3, QSEN 4&5)
6) Promote interprofessional collaboration with care team members, patients, families, and communities to optimize care. (AACN:6, COE: 6&8, QSEN:2)
7) Integrate knowledge of healthcare systems through innovation and evidenced-based practice to optimize care. (AACN:7, COE: 1,3,4,7,8,9)
8) Utilize informatics and healthcare technology to improve delivery of nursing care. (AACN:8, COE:4, QSEN:6)
9) Integrate nursing values and integrity to promote social justice in professional nursing practice and health policy. (AACN:9, COE: 4,5,9)
10) Engage in behaviors that foster personal health, resilience, well-being, lifelong learning and support the acquisition of nursing expertise and leadership skills. (AACN:10, COE:5,7,9)

B.S.N., Bachelor of Science in Nursing, Prelicensure Option

Program Coordinator: Melissa D. Scott, PhD, RN, CNEcl

(Nursing (BSN) Prelicensure I UNCW)

Requirements for the B.S.N. Degree, Prelicensure Option:

Prerequisite Courses: (31-34 Credits)

BIO 201 - Principles of Biology: Cells

Introduction to principles governing living systems, especially the cellular and molecular basis of life and the transmission and utilization of genetic information. The lab for this course is BIOL 201.

Credit Hours: 3

Prerequisite or Corequisite Courses: BIOL 201
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

BIO 240 - Human Anatomy and Physiology I

Lecture must be taken concurrent with BIOL 240 . An introduction to the human organism with particular emphasis on maintenance of an internal steady state. Tissues, musculoskeletal, nervous, and endocrine systems are stressed. The lab for this course is BIOL 240.

Credit Hours: 3

Corequisite Courses: BIOL 240.
Prerequisite Courses: BIO 201 and CHM 101 and CHML 101.
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

BIOL 240 - Human Anatomy and Physiology Laboratory I

Basic histology, dissections, and physiology experiments to demonstrate principles explored in BIO 240. This course is the lab for BIO 240.

Credit Hours: 1

Prerequisite Courses: Prerequisite or corequisite: BIO 240.
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

BIO 241 - Human Anatomy and Physiology II

A comprehensive study of human organ systems as relates to the maintenance of homeostasis. Topics include cardiovascular, respiratory, digestive, urinary, and reproductive systems. The lab for this course is BIOL 241.

Credit Hours: 3

Corequisite Courses: BIOL 241
Prerequisite Courses: BIO 240
Course Repeatability: Course may not be repeated.

BIOL 241 - Human Anatomy and Physiology Laboratory II

Basic histology, dissections, and physiology experiments to demonstrate principles explored in BIO 241. This course is the lab for BIO 241.

Credit Hours: 1

Prerequisite Courses: Prerequisite or corequisite: BIO 241.
Course Repeatability: Course may not be repeated.

BIO 246 - Microbiology of Human Diseases

An introduction to and survey of the biology of pathogenic microorganisms responsible for human infectious diseases including: bacteria, viruses, fungi, single-celled protozoans, and parasitic worms, with an emphasis on transmission, diagnosis, prevention, and clinical management. The lab for this course is BIOL 246.

Credit Hours: 3

Prerequisite Courses: BIO 201 and CHM 101 and CHML 101.
Course Repeatability: Course may not be repeated.

CHM 101 - General Chemistry I

Overview of the fundamental laws, principles and theories of chemistry. A 'C' or better in CHM 101 is required to take certain advanced courses in chemistry.

Credit Hours: 3

Corequisite Courses: CHML 101.
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

CHML 101 - General Chemistry Laboratory I

Introduction to general chemistry laboratory techniques. This course is the lab companion course for general chemistry lecture CHM 101.

Credit Hours: 1

Corequisite Courses: CHM 101.
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural

World
Course Repeatability: Course may not be repeated.

PSY 105 - General Psychology

Principles of psychology with emphasis on scientific methods used in studying human behavior.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

STT 210 - Introduction to Statistics with Applications in the Health Sciences

Topics include descriptive statistics, probability, probability distributions, sampling distributions, confidence intervals, hypothesis testing, correlation and regression. Instruction tailored to applications in the health sciences.

Credit Hours: 3

University Studies: Foundations/Mathematics and Statistics
Course Repeatability: Course may not be repeated.

or

STT 215 - Introduction to Statistics

Methods of data collection; numerical and graphical analyses of univariate and bivariate data; axioms of probability; conditional probability; independence; distributions of random variables; introduction to confidence intervals and hypothesis testing; simple linear regression and correlation; use of statistical software to analyze data and simulate random variables.

Credit Hours: 3

University Studies: Foundations/Mathematics and Statistics
Course Repeatability: Course may not be repeated.

or

BAN 280 - Statistical Analysis for Business and Economics

Classification and presentation of business and economics data, probability and expected value, statistical inference, simple linear regression and correlation analysis.

Credit Hours: 3

Prerequisite Courses: MAT 111 or MAT 150.
University Studies: Foundations/Mathematics and Statistics
Course Repeatability: Course may not be repeated.

or

PSY 225 - Introductory Statistics for the Behavioral Sciences

Introduction to the statistical techniques most often used by behavioral scientists for either descriptive purposes or hypothesis testing. Parametric techniques are emphasized, but nonparametric tests are included.

Credit Hours: 6

Prerequisite Courses: PSY 105 and (MAT 101 or higher [excluding MAT 105, MAT 141, and MAT 142],

STT 210, or STT 215) and (BIO 105 or BIO 140+BIOL 140, BIO 201, BIO 202, or BIO 240+BIOL 240)
Additional Restrictions/Requirements: Class is restricted to students with Junior standing (or above).

University Studies: Critical Reasoning
Course Repeatability: Course may not be repeated.
Major Restriction Psychology

Choose one of the following:

PAR 101 - The Big Questions: Introduction to Philosophy

Introduction to various philosophers and philosophical problems from historical, critical, and other perspectives. Addresses the big questions of human existence, such as: What is right and wrong? Does God exist? How do we know anything about the world around us? Students learn what a philosophical question is and discover just how pervasive philosophical assumptions are in life.

Credit Hours: 3

University Studies: Approaches and

Perspectives/Historical and Philosophical Approaches, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

PAR 110 - Introduction to Logic

Introduction to the principles of logic including the rules of deduction, the categorical syllogism, induction, and fallacies. Initiation in computer logic programs.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

PAR 115 - Introduction to Ethics

An introduction to fundamental principles, theories, and problems in ethics.

Credit Hours: 3

University Studies: Approaches and Perspectives/Historical and Philosophical Approaches, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

PAR 205 - American Philosophy

A survey of American philosophical thought from colonial times to the present. Readings from such American thinkers as Jonathan Edwards, the Federalist authors, Thoreau, James, Dewey and Quine.

Credit Hours: 3

University Studies: Approaches and Perspectives/Historical and Philosophical Approaches, Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.

PAR 211 - Philosophy of Human Nature

A survey and evaluation of past and present theories of human nature; to include such topics as nature and culture, freedom and rationality, issues in gender identity, and theories of education and human development.

Credit Hours: 3

University Studies: Approaches and Perspectives/Historical and Philosophical Approaches,

Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

PAR 215 - Medical Ethics: Life and Death Decisions in Health Care

Examination of the principles and problems in the application of ethical theory to medical research and practice.

Credit Hours: 3

University Studies: Approaches and Perspectives/Historical and Philosophical Approaches
Course Repeatability: Course may not be repeated.

Choose one of the following:

SOC 105 - Introduction to Sociology

Introduction to the scientific study of human society and social behavior.

Credit Hours: 3

University Studies: Approaches and

Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

ECN 125 - Survey of Economics

An introduction to economics principles for non-business and non-economics majors. Current analysis rather than theoretical analysis is utilized to present and show the relevance of economics principles. (Not open to students who have earned credit for either ECN 221 or ECN 222.)

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.

ECN 221 - Principles of Economics-Micro

Analysis of decision-making processes and economic equilibrium for the individual firm and consumer at an introductory level.

Credit Hours: 3

Prerequisite Courses: MAT 111 or MAT 150 or MAT 151 or MAT 160 or MAT 161
University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

Note:

Completion of these courses will satisfy university studies requirements in the social and behavioral sciences and the natural and mathematical sciences.

Core Courses (54 Credits):

NSG 300 - Health Assessment and Core Nursing Concepts

This course introduces the student to the core concepts of nursing that are essential to the role of the professional nurse in caring for individuals, families, and communities. The course will focus

on normal assessment skills across the lifespan as a component of core nursing care. Didactic concepts will be applied in the laboratory setting for demonstration of assessment skills using varying degrees of technology.

Credit Hours: 4 (3 lecture/1 lab)

Additional Restrictions/Requirements: Admission to the Undergraduate Nursing Program
Course Repeatability: Course may not be repeated.
Major Restriction Nursing

NSG 302 - Foundational Nursing Care of Adults

This course introduces the student to the core concepts of nursing essential to the role of the professional nurse when caring for adult patients, their families, and communities in a variety of clinical settings. Course content will emphasize foundational, evidenced-based skills using the nursing process, and techniques of safe nursing practice for health promotion.

Credit Hours: 1 To 5

Additional Restrictions/Requirements: Admission to

the Undergraduate Nursing Program.
Course Repeatability: Course may not be repeated.
Additional Course Fees: F003 Student Blanket Professional Liability Insurance, F012 Nursing Simulation Fee Additional Student Fee Link

Major Restriction Nursing

NSG 304 - Introduction to Professional Nursing

This course introduces the student to the core concepts of professional nursing. Course content includes nursing history, theory and an introduction to American Nurses Association Code of Ethics, legal standards of the nursing scope of practice through regulatory bodies and evolving issues in the profession. Students will learn the quality safety standards education for nurses and the standards for interprofessional collaboration.

Credit Hours: 3

Additional Restrictions/Requirements: Admission to the Undergraduate Nursing Program.
University Studies: Writing Intensive

Course Repeatability: Course may not be repeated.
Major Restriction Nursing

NSG 306 - Pathopharmacology I

Introduces basic concepts of pathophysiology and pharmacotherapeutics, building on basic anatomy and physiology, microbiology, and chemistry content obtained from earlier courses. The pathophysiology of common disease conditions affecting human beings across the lifespan are explored. This course also examines basic drug classifications, concepts and principles of pharmacology with special consideration for the nursing role in developing a comprehensive approach to the clinical application of drug therapy.

Credit Hours: 3

Additional Restrictions/Requirements: Admission to the Undergraduate Nursing Program.
Course Repeatability: Course may not be repeated.
Major Restriction Nursing

NSG 311 - Focused Care for Adults Across the Lifespan

This course will build on previous concepts of adult nursing and special populations across the life span (including women's health and geriatrics) that are essential to the role of the professional nurse in caring for individuals, families, and communities. The course will focus on complex adult assessment skills as a component of core nursing care, and the nursing process. Didactic concepts will be applied in the laboratory setting for demonstration of assessment skills using varying degrees of technology.

Credit Hours: 3 (2 lecture/1 lab)

Prerequisite Courses: NSG 300, NSG 302 (C or better).
Course Repeatability: Course may not be repeated.
Additional Course Fees: F003 Student Blanket Professional Liability Insurance, F012 Nursing Simulation FeeAdditional Student Fees Link

NSG 313 - Nursing Care of Women's Health Across the Lifespan

This course introduces core concepts of nursing essential to the role of the professional nurse caring for

women across the lifespan. The course content will assist the learner in improving health promotion and restoration for women through all phases of life, including the care of women in the prenatal, perinatal, and postnatal periods. Professional nursing values of patient centered care, lifelong learning and quality improvement are components of classroom and clinical learning. Newborn nursing assessment will be included as part of the complete postpartum (includes mother/baby/family) phase. Applications of concepts and essential psychomotor skills are demonstrated in clinical experiences working with culturally diverse families.

Credit Hours: 3 (2 lecture/1 clinical)

Prerequisite Courses: NSG 300, NSG 302, NSG 306 (C or better).
Course Repeatability: Course may not be repeated.
Major Restriction Nursing

NSG 314 - Nursing Care of Children

This course introduces core concepts of nursing essential to the role of the professional nurse caring for

children and their families, in the child's natural environments (i.e. home or school) within the community and in acute care settings. Content will include strategies for improving child health status based on diverse needs of the child and their family, in the context of the child's situational environment. Professional values of patient and family centered care, life-long learning, and quality improvement will be emphasized. Essential psychomotor skills will be applied via experiences caring for children in a variety of clinical agencies.

Credit Hours: 4 (2 lecture/2 clinical)

Prerequisite Courses: NSG 300, NSG 302, NSG 306 (C or better)
Course Repeatability: Course may not be repeated.
Major Restriction Nursing

NSG 319 - Pathopharmacology II

This course builds on basic concepts of pathophysiology and pharmacotherapeutics from earlier courses. The pathophysiology of disease conditions affecting human beings across the lifespan

are explored, along with pharmacotherapeutics related to these disease conditions. Nursing implications relative to the utilization of drug therapy are examined.

Credit Hours: 3

Prerequisite Courses: NSG 306 (C or better).
Additional Restrictions/Requirements: Minimum grade of C or better.
Course Repeatability: Course may not be repeated.
Major Restriction Nursing

NSG 317 - Introduction to Evidence Based Practice and Research

Course content includes an overview of current issues in knowledge development in nursing including the process of research utilization and evidence-based practice. Student will conduct analytic critiques of the research literature for scientific merit, synthesize these critiques for application to practice, and develop strategies for providing leadership to make evidence-based practice a reality in current and future work settings.

Credit Hours: 3

Prerequisite Courses: NSG 304 (C or better).
Additional Restrictions/Requirements: Minimum grade of C or better.
University Studies: Building Competencies/Writing Intensive, Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.
Major Restriction Nursing

NSG 422 - Mental Health Nursing Across the Lifespan

This course introduces core concepts of nursing essential to the role of the professional nurse caring for patients with mental health disorders across the lifespan. The course content will include health promotion and restoration for the patients and their families, along with professional values of patient centered care, lifelong learning, and quality improvement. Applications of concepts and essential therapeutic communication and psychomotor skills are demonstrated in clinical experiences working with

culturally diverse patients in various agencies.

Credit Hours: 3 (2 Lecture/1 clinical)

Prerequisite Courses: NSG 311 , NSG 314, NSG 319 (C or better).
Course Repeatability: Course may not be repeated.
Major Restriction Nursing

NSG 424 - Nursing Leadership and Management

Introduces core concepts of leadership and management for the professional nurse. The course will focus on leadership and management theories, health systems organization, role development, and the legal and ethical considerations that impact care delivery and quality.

Credit Hours: 3

Prerequisite Courses: NSG 317 (C or better).
Additional Restrictions/Requirements: Minimum grade of C or better.

Course Repeatability: Course may not be repeated.
Major Restriction Nursing

NSG 430 - Population and Public Health Nursing

This course introduces the student to the core concepts essential to the role of the professional nurse in population health. The course focuses on health promotion, and disease and injury prevention based on determinants of local, national, and global health. Content is guided from theories in nursing, psychology, and sociology. Course content will examine how health care delivery systems, public health agencies, and community-based organizations collaborate for health promotion, risk reduction, and disease management and control in vulnerable populations

Credit Hours: 3 (2 lecture/1 clinical)

Prerequisite Courses: NSG 313, NSG 314, NSG 426 (C or better).
Additional Restrictions/Requirements: Minimum grade of C or better.

University Studies: Approaches and Perspectives/Living in a Global Society, Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.
Major Restriction Nursing

NSG 426 - Acute and Complex Nursing Care of Adults

This course will build upon core nursing concepts essential to the role of the professional nurse when caring for individuals, families, and communities with complex health problems. This course will focus on advanced concepts and response to changes in condition for patients with acute and chronic illnesses. Emphasis will be placed on the nursing process, clinical reasoning and professional integrity. Advanced psychomotor skills and concepts in nursing care will be applied in lab and various clinical experiences.

Credit Hours: 6 (3 lecture/3 clinical)

Prerequisite Courses: NSG 311, NSG 313, NSG 317,

NSG 319 (C or better).
University Studies: Critical Reasoning
Course Repeatability: Course may not be repeated.
Additional Course Fees: F003 Student Blanket Professional Liability Insurance, F012 Nursing Simulation Fee Additional Student Fee Link

Major Restriction Nursing

NSG 432 - Advocacy and Policy

This course focuses on social, psychological, economic, political, legal, ethical, and diverse environments which shape health care delivery systems in the United States. There will be critical analyses related to health policy, health care reform, health care systems, and determinants of health. It also explores how the nurse can advocate for change in health policy.

Credit Hours: 3

Prerequisite Courses: NSG 424 (C or better).
Additional Restrictions/Requirements: Minimum grade of C or better.

University Studies: Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.
Major Restriction Nursing

NSG 434 - Capstone: Prioritization and Application of Nursing Care

Synthesizes information from previous courses to prepare the student for transition to practice. This course is designed to enhance the prioritization and reasoning skills needed by the nurse to manage, coordinate, and deliver safe patient-centered care. Through classroom activities and a one-to-one preceptorship with an experienced registered nurse, the student will refine psychomotor skills and deliver care that demonstrates sound clinical judgements and professional values.

Credit Hours: 5 (2 lecture/3 clinical)

Prerequisite Courses: NSG 422, NSG 426 (C or better).
Additional Restrictions/Requirements: Minimum grade of C or better.

University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.
Additional Course Fees: F003 Student Blanket Professional Liability Insurance, F012 Nursing Simulation Fee

Major Restriction Nursing

Nursing Electives: (6 Credits)

Must take 2 of the 4 nursing electives offered.

NSG 451 - Pediatric Nursing Care: Beyond the Basics

Building upon previous coursework related to family-centered care, ethics, and evidence-based practice, this course will equip students with specialized knowledge to advance their care of pediatric patients. Focus will include communication with interdisciplinary care team members as well as current best practice guidelines for the pediatric population. Concepts of pediatric advanced life support, family nursing assessment for the complex pediatric client, service/applied learning projects.

Credit Hours: 3

Prerequisite Courses: NSG 314, NSG 319 (C or better).
Additional Restrictions/Requirements: Minimum grade of C or better.
Course Repeatability: Course may not be repeated.
Major Restriction Nursing

NSG 452 - Mental Health Care: Beyond the Basics

Appraise the impact of bias and stigma in the care of mental health disorder/s by examining the perspectives of mental illness from popular culture, healthcare providers, and patients. Students will focus on mitigating this bias and improving treatment from both an individual and population health focus.

Credit Hours: 3

Prerequisite Courses: NSG 422 (C or better).
Additional Restrictions/Requirements: Minimum

grade of C or better. May only be taken in final semester of nursing school.

Course Repeatability: Course may not be repeated.
Major Restriction Nursing

NSG 453 - Clinical Reasoning for Critical Patients

Focuses on the development and application of advanced concepts in the management of critically ill adults. The course is designed to enhance clinical reasoning, critical thinking, and skill development for nursing students aspiring to work in the emergency department and/or critical care setting. There will also be an emphasis on the nurse's role as an interdisciplinary team member and delivering patient centered care while incorporating clinical guidelines and protocols to ensure professional performance and values within legal and ethical frameworks.

Credit Hours: 3

Prerequisite Courses: NSG 426 (C or better).
Additional Restrictions/Requirements: Minimum

grade of C or better. Can only be taken in final semester of nursing school.

Course Repeatability: Course may not be repeated.
Major Restriction Nursing

NSG 454 - Genomics and Ethical Considerations

This course will introduce human genomics related to provision of patient and family centered health care across the lifespan. Nurses are in an ideal position to facilitate patients and families to make sense of, respond to, and use the information they receive during the genetic testing experience. This is not a course in basic genetics, rather the focus is on the nurse's role in clinical application of a working knowledge of human genetics. Using ethical principles, students will be encouraged to critically examine the social, legal, cultural, political, and professional implications of the integration of genomics into health care practices.

Credit Hours: 3

Prerequisite Courses: NSG 319 (C or better).
Additional Restrictions/Requirements: Minimum grade of C or better.
Course Repeatability: Course may not be repeated.
Major Restriction Nursing

Total Degree Requirements: 91-94 Credits

Additional Information:

A minimum grade of "C" (2.00) is required in each nursing course. A cumulative grade point average of 2.70 or better is required for progression in the program and for graduation.

Because many of the required courses are sequential and have prerequisites, it is vital for students to complete them successfully in the proper sequence. Sample schedules are available in the Center for Academic Advising, in the School of Nursing and on the School of Nursing Web site. In addition to university studies requirements and nursing requirements, students must take elective courses to satisfy the university requirement of a minimum of 124 hours.

Bachelor of Science in Nursing, RN-BSN Option

Program Coordinator: C. Elise Thompson, PhD, MSN, RN

(RN-BSN I UNCW)

Registered Nurses wishing to obtain the B.S. degree must meet all university admissions and studies requirements. In addition to university studies requirements and nursing requirements, students must take elective courses to satisfy the university requirement of a minimum of 124 hours. Corequisite labs for BIO 240 and BIO 241 are not required for students in this program. Upon successful completion of NSG 316, RN-BSN students are granted 34 placement hours credit.

Nursing courses in the RN-BSN option are available online. Orientation is presented online and/or by special arrangement. Students must have sufficient computer skills and access to a computer that supports an internet browser (Internet Explorer or Netscape Navigator), a word processor, PowerPoint, Media Player or other video player, and e-mail. For additional information see http://www.uncw.edu/son or contact the School of Nursing.

Requirements for the B.S.N. Degree, RN-BSN Option:

Collateral Courses (24 Credits):

BIO 240 - Human Anatomy and Physiology I

Lecture must be taken concurrent with BIOL 240 . An introduction to the human organism with particular emphasis on maintenance of an internal steady state. Tissues, musculoskeletal, nervous, and endocrine systems are stressed. The lab for this course is BIOL 240.

Credit Hours: 3

Corequisite Courses: BIOL 240.
Prerequisite Courses: BIO 201 and CHM 101 and CHML 101.
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

BIO 241 - Human Anatomy and Physiology II

A comprehensive study of human organ systems as relates to the maintenance of homeostasis. Topics include cardiovascular, respiratory, digestive, urinary, and reproductive systems. The lab for this course is BIOL 241.

Credit Hours: 3

Corequisite Courses: BIOL 241
Prerequisite Courses: BIO 240
Course Repeatability: Course may not be repeated.

BIO 246 - Microbiology of Human Diseases

An introduction to and survey of the biology of pathogenic microorganisms responsible for human infectious diseases including: bacteria, viruses, fungi, single-celled protozoans, and parasitic worms, with an emphasis on transmission, diagnosis, prevention, and clinical management. The lab for this course is BIOL 246.

Credit Hours: 3

Prerequisite Courses: BIO 201 and CHM 101 and

CHML 101.
Course Repeatability: Course may not be repeated.

PSY 105 - General Psychology

Principles of psychology with emphasis on scientific methods used in studying human behavior.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

PSY 223 - Life Span Human Development

Variables and factors underlying human growth and development across the life span. Physical, cognitive, social, emotional, and sexual developments are emphasized.

Credit Hours: 3

Prerequisite Courses: PSY 105

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

STT 210 - Introduction to Statistics with Applications in the Health Sciences

Topics include descriptive statistics, probability, probability distributions, sampling distributions, confidence intervals, hypothesis testing, correlation and regression. Instruction tailored to applications in the health sciences.

Credit Hours: 3

University Studies: Foundations/Mathematics and Statistics
Course Repeatability: Course may not be repeated.

STT 215 - Introduction to Statistics

Methods of data collection; numerical and graphical analyses of univariate and bivariate data; axioms of probability; conditional probability; independence; distributions of random variables; introduction to confidence intervals and hypothesis testing; simple linear regression and correlation; use of statistical

software to analyze data and simulate random variables.

Credit Hours: 3

University Studies: Foundations/Mathematics and Statistics
Course Repeatability: Course may not be repeated.

Choose one of the following:

PAR 101 - The Big Questions: Introduction to Philosophy

Introduction to various philosophers and philosophical problems from historical, critical, and other perspectives. Addresses the big questions of human existence, such as: What is right and wrong? Does God exist? How do we know anything about the world around us? Students learn what a philosophical question is and discover just how pervasive philosophical assumptions are in life.

Credit Hours: 3

University Studies: Approaches and

Perspectives/Historical and Philosophical Approaches, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

PAR 110 - Introduction to Logic

Introduction to the principles of logic including the rules of deduction, the categorical syllogism, induction, and fallacies. Initiation in computer logic programs.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

PAR 115 - Introduction to Ethics

An introduction to fundamental principles, theories, and problems in ethics.

Credit Hours: 3

University Studies: Approaches and Perspectives/Historical and Philosophical Approaches, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

PAR 205 - American Philosophy

A survey of American philosophical thought from colonial times to the present. Readings from such American thinkers as Jonathan Edwards, the Federalist authors, Thoreau, James, Dewey and Quine.

Credit Hours: 3

University Studies: Approaches and Perspectives/Historical and Philosophical Approaches, Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.

PAR 211 - Philosophy of Human Nature

A survey and evaluation of past and present theories of human nature; to include such topics as nature and culture, freedom and rationality, issues in gender identity, and theories of education and human development.

Credit Hours: 3

University Studies: Approaches and Perspectives/Historical and Philosophical Approaches,

Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

PAR 215 - Medical Ethics: Life and Death Decisions in Health Care

Examination of the principles and problems in the application of ethical theory to medical research and practice.

Credit Hours: 3

University Studies: Approaches and Perspectives/Historical and Philosophical Approaches
Course Repeatability: Course may not be repeated.

Choose one of the following:

SOC 105 - Introduction to Sociology

Introduction to the scientific study of human society and social behavior.

Credit Hours: 3

University Studies: Approaches and

Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

ECN 125 - Survey of Economics

An introduction to economics principles for non-business and non-economics majors. Current analysis rather than theoretical analysis is utilized to present and show the relevance of economics principles. (Not open to students who have earned credit for either ECN 221 or ECN 222.)

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.

ECN 221 - Principles of Economics-Micro

Analysis of decision-making processes and economic equilibrium for the individual firm and consumer at an introductory level.

Credit Hours: 3

Prerequisite Courses: MAT 111 or MAT 150 or MAT 151 or MAT 160 or MAT 161
University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

Core Courses (27 Credits):

NSG 316 - Professional Nursing Practice for the Baccalaureate Nurse

This is a seminar course for registered nurses. Students will examine foundations and contemporary issues of professional nursing practice and will explore critical abilities and roles for the baccalaureate nurse in the management of quality, patient care. This course will introduce students to online learning and provide strategies for success.

Credit Hours: 3

Additional Restrictions/Requirements: Open only to students in the RNBSN program.
University Studies: Building Competencies/Writing Intensive, Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

NSG 321 - Gerontological Nursing and the End of Life Care

This course covers optimum health care for the aging client using the demographic, physiological, psychosocial and economic aspects of aging. Emphasis is placed on understanding the unique needs of the aging population, and to provide evidence-based care using interprofessional collaboration to improve care transitions, and health outcomes for older adults that promotes quality of life.

Credit Hours: 3

Prerequisite or Corequisite Courses: NSG 316 with a C or better.
Additional Restrictions/Requirements: Open only to students in the RNBSN program.

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

NSG 323 - Health Assessment for Registered Nurses

This course enhances students' assessment and clinical reasoning skills. Emphasis is placed on analyzing nursing assessment findings, setting priorities, and developing a plan of care that promotes or restores health. This course explores the impact of the environment, life choices, literacy, and genomics on holistic health.

Credit Hours: 3

Prerequisite or Corequisite Courses: NSG 316 with a C or better.
Additional Restrictions/Requirements: Open only to students in the RNBSN program.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

NSG 398 - NSG 398 - Health Policy - Thompson

This course focuses on social, psychological, economic, political, legal, ethical, and diverse environments which shape health care delivery systems. Nursing practice is studied relative to inter-professional collaboration, advocacy, and leadership. Emphasis is placed on critical analyses related to health policy, health care reform, health care systems, and social determinants of health.

Credit Hours: 3

Prerequisite Courses: NSG 316 with a C or better.
Additional Restrictions/Requirements: Open only to students in the RNBSN program.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

NSG 406 - Leadership and Management in Nursing

This course introduces core concepts of leadership and management for the professional nurse. Emphasis is placed on leadership and management theories, health systems organization, role development, and the legal and ethical considerations that impact care delivery and

quality.

Credit Hours: 3

Prerequisite Courses: NSG 316 with a C or better.
Additional Restrictions/Requirements: Only open to students in the RN-BSN option.
Course Repeatability: Course may not be repeated.

NSG 408 - Population and Community Health Nursing

This course addresses the community nursing process and its relationship with client-centered care, clinical reasoning, and integrity of practice applicable to health prevention, promotion, and risk reduction in diverse settings. Content addresses social and ecological determinants of health through health education, epidemiology, case management, partnerships, and technology, examining outcomes for an evidence-based, culturally sensitive practice.

Credit Hours: 3

Prerequisite Courses: NSG 316 with a C or better.

Additional Restrictions/Requirements: Open only to students in the RNBS Program.
University Studies: Approaches and Perspectives/Living in Our Diverse Nation, Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

NSG 415 - Research in Nursing

This course introduces the concepts of nursing research to registered nurses who are pursuing their baccalaureate degree in nursing. The course content includes a review of how to apply basic research concepts and evidence-based practice to the field of nursing science. The student will identify a health-related problem within nursing to conduct an analysis and critique of the research literature, synthesize these critiques as it applies to practice, and foster a plan of action to make evidence-based practice a reality within nursing practice.

Credit Hours: 3

Prerequisite Courses: (STT 210 with a C or better or

STT 215 with a C or better or PSY 225 with a C or better or QMM 280 with a C or better or BAN 280 with a C or better) and NSG 316 with a C or better.
Additional Restrictions/Requirements: Open only to students in the RNBSN program.
University Studies: Building Competencies/Writing Intensive, Building Competencies/Information Literacy, Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

NSG 482 - Pathophysiologic and Pharmacological Evidence Based Nursing Care

This theory course builds on basic knowledge of pathophysiology and pharmacology to enhance nursing management of health, wellness, and disease. Analysis of current pharmacological based research will provide the foundation for evidence based nursing practice. Physiological, pathophysiological, and pharmacological concepts that explain the rationale behind treatment decisions are examined.

Credit Hours: 3

Prerequisite or Corequisite Courses: NSG 316 with a C or better.
Additional Restrictions/Requirements: Open only to students in the RNBSN program.
University Studies: Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

NSG 484 - Professional Nursing Capstone

This course synthesizes information from previous courses and clinical practice to prepare the student for professional practice as a baccalaureate-prepared registered nurse. Emphasis is placed on reflection and concept integration to promote nursing advocacy, leadership, innovation, and evidence-based management of care.

Credit Hours: 3

Prerequisite or Corequisite Courses: NSG 408 with a C or better.
Prerequisite Courses: NSG 316 with a C or better and NSG 321 with a C or better and NSG 323 with a C or

better and NSG 398 with a C or better and NSG 406 with a C or better and NSG 408 with a C or better and NSG 415 with a C or better and NSG 482 with a C or better.
Additional Restrictions/Requirements: Open only to students in RNBSN program.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

Select a minimum of 3 credits from the following:

NSG 346 - Evolution of Professional Nursing

Students will examine the evolution of professional nursing in America through the study of select critical historical analyses of a significant influential event, time, concept, or person. Exposure to critical historical works will provide students a contextual perspective and enlightenment to evaluate the contemporary professional identity and practice role of the nurse.

Credit Hours: 1

Additional Restrictions/Requirements: Open only to students in RNBSN program.
Course Repeatability: Course may not be repeated.

NSG 361 - Building a Professional Nursing Career

This course focuses on building a career path in professional nursing that includes continuous engagement and lifelong learning. Engagement in professional nursing organizations, sharing best practices through presentations and use of the principles of scholarly writing, and planning for lifelong learning are presented as strategies to advance professionalism in nursing.

Credit Hours: 1

Additional Restrictions/Requirements: Open only to students in the RNBSN program.
Course Repeatability: Course may not be repeated.

NSG 385 - Palliative & End-of-Life Care Across the Lifespan

This course introduces the student to the field of palliative and end-of-life care. It will focus on a holistic approach to nursing care for the physical, psychological and spiritual needs of patients across the lifespan experiencing a wide range of illnesses. Illnesses will

include progressive, chronic or debilitating disorders. An emphasis will be placed on maintaining quality of life through palliative and end-of-life care with an understanding that patients and families have diverse values, beliefs, needs, and expectations.

Credit Hours: 3

Additional Restrictions/Requirements: Open only to students in the RNBSN program.
Course Repeatability: Course may not be repeated.

NSG 411 - Complementary and Alternative Therapies

This course provides a description and analysis of the growing use of complementary and alternative therapies (CATs) by consumers in contemporary society. Emphasis will be placed on ways to promote healing and optimum health in the individual, families, and communities. The student will increase their knowledge, skills, and attitudes necessary to communicate effectively with patients and health care providers about these therapies to enhance patient health and safety.

Credit Hours: 3

Additional Restrictions/Requirements: Open only to students in the RNBSN program.
University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

NSG 480 - Transcultural Nursing

Explores values and belief systems influencing health behaviors of culturally diverse groups. Emphasizes cultural, social, political, and economic forces that influence access to and use of health care resources. Identifies a conceptual basis for assessment, planning, implementation, and evaluation of health care for culturally diverse clients. Fosters cultural sensitivity to life styles, values, and concepts concerning health and health care. The goal of this course is to broaden the student's perception and understanding of health/HEALTH and illness/ILLNESS and the variety of meanings these terms carry for members of differing sociocultural populations.

Credit Hours: 3

Additional Restrictions/Requirements: Open only to students in RNBSN program.
University Studies: Approaches and Perspectives/Living in a Global Society
Crosslisting: NSG 580
Course Repeatability: Course may not be repeated.

NSG 487 - Genetics and Genomics in Healthcare

This course will focus on an introduction to emerging knowledge in human molecular genetics and the related implications for health care across the lifespan through multidisciplinary perspectives. Content focuses on the application of genetics to clinical practice, including screening for genetic predisposition, the impact of genetics on health promotion and disease prevention, and the uses of genetically engineered technology and therapies. Students will be encouraged to critically examine the social, legal, cultural, political, and professional implications of the integration of genetics into health care practices.

Credit Hours: 3

Additional Restrictions/Requirements: Open only to students in the RNBSN program.
Course Repeatability: Course may not be repeated.

Note:

Completion of these nursing courses will satisfy 30 of the 31 credit university residency requirements.

One additional elective may be needed to fulfill university residency requirements. NSG 484 is a capstone course to be completed in the last semester of the program.

Total: 54 Credits

Placement Credits (34 Credits):

Upon successful completion of NSG 316, RN-BSN students are granted 34 placement credits.

Total Degree Requirements: 88 Credits

Additional Information:

The recommended Program of Study can be viewed on the School of Nursing website, www.uncw.edu/son; click on the RN-BSN option of the Bachelor of Science in nursing.

A minimum of "C" (2.00) is required in each nursing course. A cumulative grade point average of 2.00 or better is required for graduation.

Bachelor of Science in Nursing, Accelerated (2nd Degree) Option

Requirements for the B.S.N. Degree, Accelerated (2nd Degree) option:

Core Courses (54 Credits)

NSG 300 - Health Assessment and Core Nursing Concepts

This course introduces the student to the core concepts of nursing that are essential to the role of the professional nurse in caring for individuals, families, and communities. The course will focus on normal assessment skills across the lifespan as a component of core nursing care. Didactic concepts will be applied in the laboratory setting for demonstration of

assessment skills using varying degrees of technology.

Credit Hours: 4 (3 lecture/1 lab)

Additional Restrictions/Requirements: Admission to the Undergraduate Nursing Program
Course Repeatability: Course may not be repeated.
Major Restriction Nursing

NSG 302 - Foundational Nursing Care of Adults

This course introduces the student to the core concepts of nursing essential to the role of the professional nurse when caring for adult patients, their families, and communities in a variety of clinical settings. Course content will emphasize foundational, evidenced-based skills using the nursing process, and techniques of safe nursing practice for health promotion.

Credit Hours: 1 To 5

Additional Restrictions/Requirements: Admission to the Undergraduate Nursing Program.
Course Repeatability: Course may not be repeated.
Additional Course Fees: F003 Student Blanket

Professional Liability Insurance, F012 Nursing Simulation Fee Additional Student Fee Link

Major Restriction Nursing

NSG 304 - Introduction to Professional Nursing

This course introduces the student to the core concepts of professional nursing. Course content includes nursing history, theory and an introduction to American Nurses Association Code of Ethics, legal standards of the nursing scope of practice through regulatory bodies and evolving issues in the profession. Students will learn the quality safety standards education for nurses and the standards for interprofessional collaboration.

Credit Hours: 3

Additional Restrictions/Requirements: Admission to the Undergraduate Nursing Program.
University Studies: Writing Intensive
Course Repeatability: Course may not be repeated.
Major Restriction Nursing

NSG 306 - Pathopharmacology I

Introduces basic concepts of pathophysiology and pharmacotherapeutics, building on basic anatomy and physiology, microbiology, and chemistry content obtained from earlier courses. The pathophysiology of common disease conditions affecting human beings across the lifespan are explored. This course also examines basic drug classifications, concepts and principles of pharmacology with special consideration for the nursing role in developing a comprehensive approach to the clinical application of drug therapy.

Credit Hours: 3

Additional Restrictions/Requirements: Admission to the Undergraduate Nursing Program.
Course Repeatability: Course may not be repeated.
Major Restriction Nursing

NSG 311 - Focused Care for Adults Across the Lifespan

This course will build on previous concepts of adult nursing and special populations across the life span (including women's health and geriatrics) that are essential to the role of the professional nurse in caring

for individuals, families, and communities. The course will focus on complex adult assessment skills as a component of core nursing care, and the nursing process. Didactic concepts will be applied in the laboratory setting for demonstration of assessment skills using varying degrees of technology.

Credit Hours: 3 (2 lecture/1 lab)

Prerequisite Courses: NSG 300, NSG 302 (C or better).
Course Repeatability: Course may not be repeated.
Additional Course Fees: F003 Student Blanket Professional Liability Insurance, F012 Nursing Simulation FeeAdditional Student Fees Link

NSG 313 - Nursing Care of Women's Health Across the Lifespan

This course introduces core concepts of nursing essential to the role of the professional nurse caring for women across the lifespan. The course content will assist the learner in improving health promotion and restoration for women through all phases of life, including the care of women in the prenatal, perinatal,

and postnatal periods. Professional nursing values of patient centered care, lifelong learning and quality improvement are components of classroom and clinical learning. Newborn nursing assessment will be included as part of the complete postpartum (includes mother/baby/family) phase. Applications of concepts and essential psychomotor skills are demonstrated in clinical experiences working with culturally diverse families.

Credit Hours: 3 (2 lecture/1 clinical)

Prerequisite Courses: NSG 300, NSG 302, NSG 306 (C or better).
Course Repeatability: Course may not be repeated.
Major Restriction Nursing

NSG 314 - Nursing Care of Children

This course introduces core concepts of nursing essential to the role of the professional nurse caring for children and their families, in the child's natural environments (i.e. home or school) within the community and in acute care settings. Content will include strategies for improving child health status

based on diverse needs of the child and their family, in the context of the child's situational environment. Professional values of patient and family centered care, life-long learning, and quality improvement will be emphasized. Essential psychomotor skills will be applied via experiences caring for children in a variety of clinical agencies.

Credit Hours: 4 (2 lecture/2 clinical)

Prerequisite Courses: NSG 300, NSG 302, NSG 306 (C or better)
Course Repeatability: Course may not be repeated.
Major Restriction Nursing

NSG 317 - Introduction to Evidence Based Practice and Research

Course content includes an overview of current issues in knowledge development in nursing including the process of research utilization and evidence-based practice. Student will conduct analytic critiques of the research literature for scientific merit, synthesize these critiques for application to practice, and develop strategies for providing leadership to make evidence-

based practice a reality in current and future work settings.

Credit Hours: 3

Prerequisite Courses: NSG 304 (C or better).
Additional Restrictions/Requirements: Minimum grade of C or better.
University Studies: Building Competencies/Writing Intensive, Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.
Major Restriction Nursing

NSG 319 - Pathopharmacology II

This course builds on basic concepts of pathophysiology and pharmacotherapeutics from earlier courses. The pathophysiology of disease conditions affecting human beings across the lifespan are explored, along with pharmacotherapeutics related to these disease conditions. Nursing implications relative to the utilization of drug therapy are examined.

Credit Hours: 3

Prerequisite Courses: NSG 306 (C or better).
Additional Restrictions/Requirements: Minimum grade of C or better.
Course Repeatability: Course may not be repeated.
Major Restriction Nursing

NSG 422 - Mental Health Nursing Across the Lifespan

This course introduces core concepts of nursing essential to the role of the professional nurse caring for patients with mental health disorders across the lifespan. The course content will include health promotion and restoration for the patients and their families, along with professional values of patient centered care, lifelong learning, and quality improvement. Applications of concepts and essential therapeutic communication and psychomotor skills are demonstrated in clinical experiences working with culturally diverse patients in various agencies.

Credit Hours: 3 (2 Lecture/1 clinical)

Prerequisite Courses: NSG 311 , NSG 314, NSG

319 (C or better).
Course Repeatability: Course may not be repeated.
Major Restriction Nursing

NSG 424 - Nursing Leadership and Management

Introduces core concepts of leadership and management for the professional nurse. The course will focus on leadership and management theories, health systems organization, role development, and the legal and ethical considerations that impact care delivery and quality.

Credit Hours: 3

Prerequisite Courses: NSG 317 (C or better).
Additional Restrictions/Requirements: Minimum grade of C or better.
Course Repeatability: Course may not be repeated.
Major Restriction Nursing

NSG 426 - Acute and Complex Nursing Care of Adults

This course will build upon core nursing concepts essential to the role of the professional nurse when caring for individuals, families, and communities with complex health problems. This course will focus on advanced concepts and response to changes in condition for patients with acute and chronic illnesses. Emphasis will be placed on the nursing process, clinical reasoning and professional integrity. Advanced psychomotor skills and concepts in nursing care will be applied in lab and various clinical experiences.

Credit Hours: 6 (3 lecture/3 clinical)

Prerequisite Courses: NSG 311, NSG 313, NSG 317, NSG 319 (C or better).
University Studies: Critical Reasoning
Course Repeatability: Course may not be repeated.
Additional Course Fees: F003 Student Blanket Professional Liability Insurance, F012 Nursing Simulation Fee Additional Student Fee Link

Major Restriction Nursing

NSG 430 - Population and Public Health Nursing

This course introduces the student to the core concepts essential to the role of the professional nurse in population health. The course focuses on health promotion, and disease and injury prevention based on determinants of local, national, and global health. Content is guided from theories in nursing, psychology, and sociology. Course content will examine how health care delivery systems, public health agencies, and community-based organizations collaborate for health promotion, risk reduction, and disease management and control in vulnerable populations

Credit Hours: 3 (2 lecture/1 clinical)

Prerequisite Courses: NSG 313, NSG 314, NSG 426 (C or better).
Additional Restrictions/Requirements: Minimum grade of C or better.

University Studies: Approaches and Perspectives/Living in a Global Society, Building Competencies/Information Literacy

Course Repeatability: Course may not be repeated.
Major Restriction Nursing

NSG 432 - Advocacy and Policy

This course focuses on social, psychological, economic, political, legal, ethical, and diverse environments which shape health care delivery systems in the United States. There will be critical analyses related to health policy, health care reform, health care systems, and determinants of health. It also explores how the nurse can advocate for change in health policy.

Credit Hours: 3

Prerequisite Courses: NSG 424 (C or better).
Additional Restrictions/Requirements: Minimum grade of C or better.
University Studies: Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.
Major Restriction Nursing

NSG 434 - Capstone: Prioritization and Application of Nursing Care

Synthesizes information from previous courses to prepare the student for transition to practice. This course is designed to enhance the prioritization and reasoning skills needed by the nurse to manage, coordinate, and deliver safe patient-centered care. Through classroom activities and a one-to-one preceptorship with an experienced registered nurse, the student will refine psychomotor skills and deliver care that demonstrates sound clinical judgements and professional values.

Credit Hours: 5 (2 lecture/3 clinical)

Prerequisite Courses: NSG 422, NSG 426 (C or better).
Additional Restrictions/Requirements: Minimum grade of C or better.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.
Additional Course Fees: F003 Student Blanket Professional Liability Insurance, F012 Nursing Simulation Fee

Major Restriction Nursing

Total Degree Requirements: 54 Credits

Additional Information

A minimum grade of "C" (2. 00) is required in each nursing course.

Biochemistry, B.S.

Biochemists study the chemistry of life processes. The science of biochemistry is of interest to students who wish to pursue careers in health-related fields, such as medicine, pharmaceutical sciences, and pharmacology – or basic research related to life processes and the study of disease.

Oral Communication Requirement:

To satisfy the oral communication requirement for the Biochemistry B.S. degree, a student must successfully complete CHM 495.

Applied Learning Requirement

To satisfy the applied learning requirement for the Biochemistry B.S. degree, a student must successfully complete CHM 495.

Critical Reasoning Requirement:

CHM 365 satisfies the critical reasoning requirement in the major.

Required Courses

BIO 201 - Principles of Biology: Cells

Introduction to principles governing living systems, especially the cellular and molecular basis of life and the transmission and utilization of genetic information. The lab for this course is BIOL 201.

Credit Hours: 3

Prerequisite or Corequisite Courses: BIOL 201
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

BIOL 201 - Principles of Biology: Cells Laboratory

Introduction to basic cell biology sampling techniques and data analysis. Experience in laboratory approaches to introduce basic investigative skills and methods of biological inquiry. This course is the lab for BIO 201.

Credit Hours: 1

Prerequisite or Corequisite Courses: BIO 201
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

CHM 101 - General Chemistry I

Overview of the fundamental laws, principles and theories of chemistry. A 'C' or better in CHM 101 is required to take certain advanced courses in chemistry.

Credit Hours: 3

Corequisite Courses: CHML 101.
University Studies: Approaches and

Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

CHML 101 - General Chemistry Laboratory I

Introduction to general chemistry laboratory techniques. This course is the lab companion course for general chemistry lecture CHM 101.

Credit Hours: 1

Corequisite Courses: CHM 101.
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

CHM 102 - General Chemistry II

Study of the fundamental laws, principles and theories of chemistry. Introduction to inorganic chemistry. Interpretation of experimental results. A 'C' or better in CHM 102 is required to take certain advanced courses in chemistry.

Credit Hours: 3

Corequisite Courses: CHML 102.
Prerequisite Courses: CHM 101 and CHML 101.
Course Repeatability: Course may not be repeated.

CHML 102 - General Chemistry Laboratory II

Introduction to techniques and equipment used in the chemical laboratory. Interpretation of experimental results. This course is the lab for CHM 102 .

Credit Hours: 1

Corequisite Courses: CHM 102.
Prerequisite Courses: CHML 101, CHM 101.
Course Repeatability: Course may not be repeated.

CHM 211 - Organic Chemistry I

Introduction to the chemistry of carbon compounds, including structure, reactions, mechanisms, and the concepts of organic synthesis. It is strongly recommended that students take the lab (CHML 211) concurrently with the lecture. The lab for this course is CHML 211.

Credit Hours: 3

Prerequisite Courses: CHM 102
Course Repeatability: Course may not be repeated.

CHML 211 - Organic Chemistry Laboratory I

Introduction to reactions of organic compounds and basic laboratory techniques. This course is the lab for CHM 211.

Credit Hours: 1

Prerequisite or Corequisite Courses: CHM 211.
Prerequisite Courses: CHML 102
Course Repeatability: Course may not be repeated.

CHM 212 - Organic Chemistry II

Reactions and reaction mechanisms of organic compounds. A 'C' or better in CHM 212 is required to take certain advanced courses in chemistry. The lab for this course is CHML 212. It is strongly recommended that students take the lab (CHML 212) concurrently with the lecture.

Credit Hours: 3

Prerequisite Courses: CHM 211 with a minimum grade of C
Course Repeatability: Course may not be repeated.

CHML 212 - Organic Chemistry Laboratory II

Reactions of organic compounds and the use of spectroscopic methods in the laboratory. This course is the lab for CHM 212.

Credit Hours: 1

Prerequisite Courses: Prerequisite:CHML 211. Prerequisite or corequisite: CHM 212.
Course Repeatability: Course may not be repeated.

CHM 220 - Physical and Quantitative Methods in Chemistry

Physical and quantitative methods in chemistry is an introductory course that surveys important physical and quantitative tools used in chemistry. Quantitative physical and mathematical methods are absolutely

necessary to explore important concepts in in chemistry. This course aims to teach chemistry majors how to apply the available physical and quantitative tools to chemistry using examples and problems from various areas in chemistry, such as physical, biological and analytical chemistry. The course starts from a review of basic calculus and then covers more advanced topics.

Credit Hours: 3

Prerequisite Courses: (MAT 152 or MAT 162) and (PHY 101 or PHY 201) and (CHM 102 and CHML 102).
Course Repeatability: Course may not be repeated.

CHM 235 - Quantitative Analysis

Data analysis and statistical methods; chemical equilibrium and analytical applications; volumetric analysis and spectrophotometry; acid-base chemistry; activities and other topics as time permits. Normally taken concurrently with CHML 235. The lab for this course is CHML 235.

Credit Hours: 3

Prerequisite Courses: CHM 101 and CHML 101, and CHM 102 and CHML 102 with a minimum grade of C.
Course Repeatability: Course may not be repeated.

CHML 235 - Quantitative Analysis Laboratory

Laboratory techniques in classical and modern chemical analysis, including volumetric analysis, chromatography, and spectrophotometry. Application of statistical methods to laboratory data. Chemical equilibrium. This course is the lab for CHM 235.

Credit Hours: 1

Prerequisite or Corequisite Courses: CHM 235.
Course Repeatability: Course may not be repeated.

CHM 320 - Physical Chemistry I: Quantum Chemistry and Spectroscopy

Overview of topics in physical chemistry stressing fundamental concepts in quantum chemistry, statistical mechanics and spectroscopy. The lab for this course is CHML 320.

Credit Hours: 3

Prerequisite or Corequisite Courses: CHM 220.
Prerequisite Courses: CHM 102 and CHML 102 and (PHY 101 or PHY 201) and (MAT 151 and MAT 152) or (MAT 161 and MAT 162)
Course Repeatability: Course may not be repeated.

CHML 320 - Physical Chemistry Laboratory I

Laboratory course that will reinforce the concepts of quantum chemistry learned in the accompanying lecture course (CHM 320). Writing intensive course with a focus on writing laboratory reports in professional fashion. This course is the lab for CHM 320.

Credit Hours: 1

Prerequisite or Corequisite Courses: CHM 320.
University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

CHM 325 - Biophysical Chemistry

Introduction to the fundamentals of thermodynamics and kinetics in the context of biochemical systems. A brief review of the structures of proteins, nucleic acids and membranes followed by a treatment of the thermodynamics and kinetics of binding reactions and phase transitions involving these macromolecules and assemblies. CHML 325 is the laboratory course for CHM 325.

Credit Hours: 3

Prerequisite Courses: BIO 201, CHM 211, CHM 220.
Course Repeatability: Course may not be repeated.

CHML 325 - Biophysical Chemistry Laboratory

Essential experimental approaches used in the study of proteins, lipids, and nucleic acids, and their interactions. The molecular structure, thermodynamics and kinetics of binding reactions, phase transitions, and other processes involving these macromolecules will be studied using calorimetry and modern spectroscopic methods.

Credit Hours: 1

Prerequisite or Corequisite Courses: CHM 325.
Prerequisite Courses: CHM 220.
Course Repeatability: Course may not be repeated.

CHM 350 - Introduction to Chemical Research

Introduction to chemical investigation, including use of the chemical literature, experimental design, proposal preparation, and communication of findings.

Credit Hours: 1

Prerequisite Courses: CHM 211 or CHM 235.
University Studies: Building Competencies/Writing Intensive, Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.
Major Restriction Biochemistry B.S., Chemistry B.S., or Chemistry B.A.

MAT 162 - Calculus with Analytical Geometry II

The second course in a three-course sequence. Further techniques and applications of integration; infinite sequences and series; conic sections, parametrized curves and polar coordinates; and,

elementary differential equations.

Credit Hours: 4

Prerequisite Courses: MAT 161.
University Studies: Foundations/Mathematics and Statistics, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

CHM 365 - Biochemistry I

The structures of macromolecules, amino acids and vitamins, and the chemical principles governing their actions. Solution properties of macromolecules, enzyme kinetics and mechanisms, and metabolic regulation, emphasizing organic/physical chemistry. Basics of nucleic acids and biological transfer information.

Credit Hours: 3

Prerequisite Courses: BIO 201 and CHM 212.
University Studies: Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

CHML 365 - Biochemistry Laboratory

Theory and practice of biochemical techniques. Topics may include protein assays, protein purification, electrophoresis, enzyme kinetics, HPLC or proteins, buffers and pH, DNA isolation, and molecular visualization and modeling.

Credit Hours: 2

Prerequisite or Corequisite Courses: CHM 365.
Prerequisite Courses: CHML 212.
Course Repeatability: Course may not be repeated.

CHM 466 - Biochemistry II

Examination of bioenergetics, structure and function of biomembranes, biosynthesis, degradation of fatty acids, amino acids, and nucleotides, integration of metabolism, signal transduction, and the action of hormones. Consideration of the structure and enzymology of DNA and RNA, genetic information, protein biosynthesis, and gene regulation.

Credit Hours: 3

Prerequisite Courses: CHM 365 or BIO 465.
Course Repeatability: Course may not be repeated.

CHM 495 - Senior Seminar

Discussion of selected topics.

Credit Hours: 1

Prerequisite Courses: CHM 350
Additional Restrictions/Requirements: 25 semester hours of chemistry courses including prerequisite course.
University Studies: Explorations Beyond the Classroom, Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

CHM 468 - Structure and Function of Nucleic Acids

Study of the structure of DNA and RNA, the denaturation and renaturation of DNA and RNA, DNA techniques including cloning, the central dogma (including DNA replication, transcription and translation), and DNA-Protein interactions.

Credit Hours: 3

Prerequisite Courses: CHM 365
Course Repeatability: Course may not be repeated.

CHML 468 - Plasmid Design and Production

Study of advanced experimental skills for constructing, producing, and purifying plasmids used in the synthesis of biological macromolecules. Students will learn to design plasmids for the expression of recombinant proteins, in-vitro transcription of mRNAs, and the production of viral vectors. Course topics include DNA cloning techniques and plasmid production methods.

Credit Hours: 1

Prerequisite Courses: CHM 365 and CHML 365
Course Repeatability: Course may not be repeated.

Or

BIO 325 - Molecular Biology of the Cell

Chemical and physical properties of cells, with emphasis on molecular biology and experimental

biological systems used to elucidate cellular function. The lab for this course is BIOL 325.

Credit Hours: 3

Prerequisite Courses: BIO 201 and BIO 202 and CHM 211
Course Repeatability: Course may not be repeated.

BIOL 325 - Molecular Biology of Cell Laboratory

Experiments demonstrating basic phenomena underlying cellular function. This course is the lab for BIO 325.

Credit Hours: 1

Prerequisite Courses: Prerequisite or corequisite: BIO 325.
University Studies: Building Competencies/Writing Intensive, Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

MAT 161 - Calculus with Analytical Geometry I

Calculus of a single variable intended for students in the mathematical and natural sciences. Functions and limits; differentiation with applications including maxima and minima, related rates, and approximations; theory of integration with applications; and transcendental functions.

Credit Hours: 4

Prerequisite Courses: MAT 112 or MAT 160, or satisfactory performance on the UNCW mathematics placement test.
University Studies: Foundations/Mathematics and Statistics, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

Or

MAT 151 - Basic Calculus with Applications I

Intended for majors that emphasize techniques and applications. Study of linear and nonlinear functions, differentiation with applications, Riemann sums, integration, and the Fundamental Theorem of Calculus.

Credit Hours: 3

Prerequisite Courses: MAT 111 or MAT 150 or MAT 160, or satisfactory performance on the UNCW mathematics placement test.
University Studies: Foundations/Mathematics and Statistics, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

MAT 152 - Basic Calculus with Applications II

Intended for majors that emphasize techniques and applications. The second course in a two-course sequence. Topics to include further techniques and applications of integration and multivariable calculus including trigonometric functions, differential equations, probability, and sequences & series.

Credit Hours: 3

Prerequisite Courses: MAT 151 and (MAT 112 or MAT 160).
University Studies: Foundations/Mathematics and Statistics, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

PHY 101 - Elementary College Physics I

First semester of a two semester algebra-based introduction to the fundamental principles of physics. Topics include kinematics, Newtonian statics and dynamics, gravitation, oscillations, and mechanical waves.

Credit Hours: 4

Prerequisite or Corequisite Courses: MAT 111 or MAT 112 or MAT 150 or MAT 151 or MAT 160 or MAT 161
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

PHY 102 - Elementary College Physics II

Second semester of a two semester algebra-based introduction to the fundamental principles of physics. Topics include electric and magnetic fields, circuits, electromagnetic waves, and optics.

Credit Hours: 4

Prerequisite Courses: PHY 101
Course Repeatability: Course may not be repeated.

Or

PHY 201 - General Physics I

First semester of a two semester calculus-based introduction to the fundamental principles of physics for the physical and mathematical sciences. Topics include kinematics, Newtonian statics and dynamics, gravitation, oscillations, and mechanical waves.

Credit Hours: 4

Prerequisite or Corequisite Courses: MAT 161
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

PHY 202 - General Physics II

Second semester of a two semester calculus-based introduction to the fundamental principles of physics for the physical and mathematical sciences. Topics include electric and magnetic fields, circuits, Maxwell's

equations, electromagnetic waves, and optics.

Credit Hours: 4

Prerequisite or Corequisite Courses: MAT 162
Prerequisite Courses: PHY 201
Course Repeatability: Course may not be repeated.

And at least nine semester hours, including a minimum of three semester hours from Block I:

Block I:

CHM 461 - Biochemistry of Immunity

Introduction to the reactions underlying the immune response, emphasizing biochemical principles. The principles underlying the innate and adaptive immune systems, and the structure and function of the molecules involved. Exploration of the functional immune system as a coordinated collective of individual components.

Credit Hours: 3

Prerequisite Courses: CHM 365.
Course Repeatability: Course may not be repeated.

CHM 462 - Biochemistry of Cell Signaling

Introduction to the general principles of cell signaling. The molecules responsible for signaling processes will be discussed, including synthetic or natural product molecules which affect cell signaling. Specific examples may be discussed including neurotransmission, metabolic regulation, and targeting of cell signaling proteins for therapeutic benefit.

Credit Hours: 3

Prerequisite Courses: CHM 365.
Course Repeatability: Course may not be repeated.

CHM 463 - Peptide Synthesis

Exploration of peptide synthesis techniques, covering both solution-phase and solid-phase (on-resin) methods. Includes discussions on amino acid coupling strategies, protecting group approaches, activation processes, peptide synthesizers, and ligation techniques. Prepares students for practical applications

in biochemical research, drug design, and protein chemistry by examining current methodologies and challenges in peptide assembly.

Credit Hours: 3

Prerequisite Courses: CHM 365
Course Repeatability: Course may not be repeated.

CHM 467 - Bioinorganic Chemistry

Exploration of the roles that metal ions play in biochemical systems, bridging the gap between inorganic chemistry and biochemistry and providing a comprehensive understanding of how metals contribute to the structure and function of biomolecules. Examines the principles of coordination chemistry, the function of metalloenzymes, and the application of various spectroscopic techniques to study metal-containing biomolecules.

Credit Hours: 3

Prerequisite Courses: CHM 220 and CHM 365

Crosslisting: CHM 567
Course Repeatability: Course may not be repeated.

CHM 469 - Enzymology

Investigation of enzyme mechanisms and their regulation. Exploration of the theoretical and practical aspects of studying enzymes and their biological implications. A particular focus will be placed on binding, steady-state kinetics, transient kinetics, allosteric regulation, and inhibition.

Credit Hours: 3

Prerequisite Courses: CHM 365, CHM 220.
Course Repeatability: Course may not be repeated.

Block II:

BIO 330 - Microbiology

Study of pathogenic and nonpathogenic microorganisms with emphasis on the biology of bacteria and viruses. The lab for this course is BIOL 330.

Credit Hours: 3

Prerequisite Courses: BIO 201 and BIO 202.
Course Repeatability: Course may not be repeated.

BIO 335 - Genetics

Principles of Mendelian inheritance, gene action and molecular genetics, and population genetics. The lab for this course is BIOL 335.

Credit Hours: 3

Prerequisite Courses: BIO 201 and BIO 202
Course Repeatability: Course may not be repeated.

CHM 312 - Advanced Techniques Organic Chemistry

Theory and practice of chromatographic methods of separation and spectroscopic methods of identification.

Credit Hours: 2

Prerequisite Courses: CHM 212 with a minimum grade of C.
Course Repeatability: Course may not be repeated.

CHM 417 - Medicinal Chemistry

Study of the principles involved in, and the multidisciplinary nature of, modern drug design. Focus on chemical and biological principles that are fundamental to medicinal chemistry and on understanding how and why certain chemicals interact at biological targets.

Credit Hours: 3

Prerequisite or Corequisite Courses: CHM 365 or BIO 465
Prerequisite Courses: CHM 212
Crosslisting: CHM 517
Course Repeatability: Course may not be repeated.

CHM 425 - Computational Chemistry

Theory and hands-on training of basic computational chemistry; including molecular mechanics, semi-empirical and ab initio molecular orbit theory, density functional theory, and molecular dynamics.

Credit Hours: 3

Prerequisite Courses: CHM 320.
Course Repeatability: Course may not be repeated.

CHM 445 - Inorganic Chemistry

Study of periodic relationships; crystal lattice theory; transition metals and ions; crystal field theory; organometallic structures and reactions; and reaction mechanisms. The lab for this course is CHML 445.

Credit Hours: 3

Prerequisite Courses: CHM 320 with a minimum grade of C and CHM 350 with a minimum grade of C
Course Repeatability: Course may not be repeated.

CHM 486 - Fundamentals of Heterocycles with Emphasis on Pharmaceuticals

Well over half of all known organic compounds and most pharmaceuticals are heterocyles (containing an atom other than C in the ring), yet their chemistry is hardly touched on in conventional courses. Topics include the nomenclature, properties, synthesis, and pharmaceutical applications of heterocycles.

Credit Hours: 3

Prerequisite Courses: CHM 212 with a minimum grade of C
Course Repeatability: Course may not be repeated.

CHML 312 - Advanced Techniques of Organic Chemistry Laboratory

Advanced laboratory techniques for the synthesis, purification, and identification of organic compounds using chromatographic and spectroscopic methods including HPLC, GC-MS, UV-Vis, IR, and NMR. This course is the lab for CHM 312.

Credit Hours: 2

Prerequisite or Corequisite Courses: CHM 312.
Prerequisite Courses: CHML 212.
Course Repeatability: Course may not be repeated.

CHML 445 - Inorganic Synthesis Laboratory

Synthesis and techniques in inorganic chemistry. Normally taken concurrently with CHM 445. This course is the lab for CHM 445.

Credit Hours: 1

Prerequisite or Corequisite Courses: CHM 445.
Course Repeatability: Course may not be repeated.

BIOL 330 - Microbiology Laboratory

Introduction to basic microbiological laboratory techniques. Experience in laboratory approaches to introduce basic laboratory skills in microbial cultures, staining, biochemical assays, and microorganism identification. This course is the lab for BIO 330. This course is the lab for BIO 330.

Credit Hours: 2

Prerequisite or Corequisite Courses: BIO 330
University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

BIOL 335 - Genetics Laboratory

This course examines major genetic concepts and relationships between those concepts. Students will

design, execute, and interpret experiments relating DNA to phenotype and investigate genetic interactions in metabolic pathways. Students will analyze and present experimental results, incorporating relevant literature and information from large-scale public genome repositories. This course is the lab for BIO 335.

Credit Hours: 1

Prerequisite Courses: Prerequisite or corequisite: BIO 335.
University Studies: Building Competencies/Writing Intensive, Building Competencies/Information Literacy, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

CHM 291 - Introductory Research

Laboratory and computational research under faculty supervision beyond what is offered in existing courses.

Credit Hours: 1 To 3

Additional Restrictions/Requirements: Freshman,

sophomore, junior, or senior standing and consent of instructor and department chair.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6

CHM 491 - Directed Individual Study

Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Enrichment Courses and Programs section in this catalogue.

Credit Hours: 1 To 3

Additional Restrictions/Requirements: Junior or senior standing, overall GPA of at least 2.00, and consent of instructor, department chair and dean.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

CHM 498 - Internship In Chemistry

Practical field experience and academic training related to the student's principal area of interest through a program of work and study within a business or agency. Student is supervised and evaluated jointly by

a chemistry faculty member and an on-site supervisor. (Only three hours may count toward a major in chemistry.)

Credit Hours: 1 To 3

Prerequisite Courses: CHM 212 and CHML 212 and CHM 235 and CHML 235
Additional Restrictions/Requirements: Prerequisite course, junior or senior standing, consent of instructor; and GPA of at least 2.80 in chemistry.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12
Additional Course Fees: Student Blanket Professional Liability Insurance Additional Course Fee Schedule

CHM 499 - Honors Work in Chemistry

Independent study for honors students.

Credit Hours: 2 To 3

Additional Restrictions/Requirements: Junior or senior standing.
University Studies: Explorations Beyond the

Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6

Total: 72 - 74 hours

Additional Information

An overall grade point average of "C" (2.00) is required in all CHM courses counted toward the biochemistry major.

Students working for the Biochemistry B.S. degree should arrange their work so as to take CHM 320 and CHM 325 in their junior year.

(**If CHM 291 or CHM 491 are used to fulfill requirements for the major, a student must take a combined total of 3 credit hours in CHM 291 and CHM 491. A student may only count a total of 3 credit hours of CHM 291, CHM 491, CHM 498, and CHM 499 toward the major.)

Biology, B.A.

The Biology B.A. is a flexible program that can be designed by a student and an advisor to meet personal educational goals and interests that may or may not include graduate study. The program may be used to meet a set of specific requirements; for example, certification for teaching at the secondary school level. Students in this major are qualified for a wide array of positions working in the biological sciences. Students should contact the undergraduate coordinator in the Department of Biology and Marine Biology for additional information.

Oral Communication Requirement:

To satisfy the oral communication requirement for the B.A. or B.S. degree in Biology or the B.S. degree in Marine Biology a student must successfully complete BIO 495.

Applied Learning Requirement:

To satisfy the applied learning requirement for the B.A. or B.S. degree in Biology or the B.S. degree in Marine Biology a student must successfully complete one of the following: honors in any science department (BIO

499, CHM 499, EVS 499, GLY 499, MAT 499, PSY 499, PHY 499); directed individual study involving hands-on experience in any science department (BIO 291, BIO 491, BIO 495, CHM 491, EVS 491, GLY 491, MAT 491, PSY 491, PHY 491); BIO 498, BIO 493; formal student teaching experience taken for UNCW credit (e.g. EDNL 406, EDN 409, EDN 411); BIO 480 or BIOL 495).

Requirements for a Major in Biology for the B.A. Degree:

Core Courses (29-33 hours)

BIO 201 - Principles of Biology: Cells

Introduction to principles governing living systems, especially the cellular and molecular basis of life and the transmission and utilization of genetic information. The lab for this course is BIOL 201.

Credit Hours: 3

Prerequisite or Corequisite Courses: BIOL 201
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural

World
Course Repeatability: Course may not be repeated.

BIOL 201 - Principles of Biology: Cells Laboratory

Introduction to basic cell biology sampling techniques and data analysis. Experience in laboratory approaches to introduce basic investigative skills and methods of biological inquiry. This course is the lab for BIO 201.

Credit Hours: 1

Prerequisite or Corequisite Courses: BIO 201
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

BIO 202 - Principles of Biology: Biodiversity

Evolution, classification, and diversity of life, stressing morphology, physiology, principles of adaptation, and relationships between biotic and abiotic components of ecosystems. The lab for this course is BIOL 202.

Credit Hours: 3

Prerequisite or Corequisite Courses: BIOL 202
University Studies: Building Competencies/Information Literacy, Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

BIOL 202 - Principles of Biology: Biodiversity Laboratory

Introduction to basic biodiversity sampling techniques and data analysis. Experience in laboratory approaches to introduce major taxonomic groups and biotic principles. This course is the lab for BIO 202.

Credit Hours: 1

Prerequisite or Corequisite Courses: BIO 202
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

BIO 335 - Genetics

Principles of Mendelian inheritance, gene action and molecular genetics, and population genetics. The lab for this course is BIOL 335.

Credit Hours: 3

Prerequisite Courses: BIO 201 and BIO 202
Course Repeatability: Course may not be repeated.

BIOL 335 - Genetics Laboratory

This course examines major genetic concepts and relationships between those concepts. Students will design, execute, and interpret experiments relating DNA to phenotype and investigate genetic interactions in metabolic pathways. Students will analyze and present experimental results, incorporating relevant literature and information from large-scale public genome repositories. This course is the lab for BIO 335.

Credit Hours: 1

Prerequisite Courses: Prerequisite or corequisite: BIO 335.

University Studies: Building Competencies/Writing Intensive, Building Competencies/Information Literacy, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

BIO 325 - Molecular Biology of the Cell

Chemical and physical properties of cells, with emphasis on molecular biology and experimental biological systems used to elucidate cellular function. The lab for this course is BIOL 325.

Credit Hours: 3

Prerequisite Courses: BIO 201 and BIO 202 and CHM 211
Course Repeatability: Course may not be repeated.

BIOL 325 - Molecular Biology of Cell Laboratory

Experiments demonstrating basic phenomena underlying cellular function. This course is the lab for BIO 325.

Credit Hours: 1

Prerequisite Courses: Prerequisite or corequisite: BIO 325.
University Studies: Building Competencies/Writing Intensive, Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

or

BIO 340 - Plant Physiology

Study of plant function at the molecular, cellular, and organismic levels, with emphasis placed on unique aspects of vascular plants. Topics include water relations, solute transport, photosynthesis, nitrogen metabolism, plant hormones, photo control of development, and stress physiology.

Credit Hours: 0 Or 4

Prerequisite Courses: BIO 201 and BIO 202, and CHM 102 and CHML 102.
University Studies: Building Competencies/Writing Intensive, Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

or

BIO 345 - Animal Physiology

Comparative study of physiological processes in different organisms approached through study of tissues, organs, and systems. The lab for this course is BIOL 345.

Credit Hours: 3

Prerequisite Courses: BIO 201 and BIO 202, and CHM 102 and CHML 102.
Course Repeatability: Course may not be repeated.

BIOL 345 - Animal Physiology Laboratory

Introduction to the equipment and techniques for computer-based acquisition of physiological data. Experience in data analysis and presentation, and in computer simulations of physiological experiments is also included. This course is the lab for BIO 345.

Credit Hours: 1

Prerequisite Courses: Prerequisite or corequisite: BIO 345.
University Studies: Building Competencies/Writing

Intensive, Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

or

BIO 240 - Human Anatomy and Physiology I

Lecture must be taken concurrent with BIOL 240 . An introduction to the human organism with particular emphasis on maintenance of an internal steady state. Tissues, musculoskeletal, nervous, and endocrine systems are stressed. The lab for this course is BIOL 240.

Credit Hours: 3

Corequisite Courses: BIOL 240.
Prerequisite Courses: BIO 201 and CHM 101 and CHML 101.
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

and

BIOL 240 - Human Anatomy and Physiology Laboratory I

Basic histology, dissections, and physiology experiments to demonstrate principles explored in BIO 240. This course is the lab for BIO 240.

Credit Hours: 1

Prerequisite Courses: Prerequisite or corequisite: BIO 240.
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

BIO 241 - Human Anatomy and Physiology II

A comprehensive study of human organ systems as relates to the maintenance of homeostasis. Topics include cardiovascular, respiratory, digestive, urinary, and reproductive systems. The lab for this course is BIOL 241.

Credit Hours: 3

Corequisite Courses: BIOL 241

Prerequisite Courses: BIO 240
Course Repeatability: Course may not be repeated.

and

BIOL 241 - Human Anatomy and Physiology Laboratory II

Basic histology, dissections, and physiology experiments to demonstrate principles explored in BIO 241. This course is the lab for BIO 241.

Credit Hours: 1

Prerequisite Courses: Prerequisite or corequisite: BIO 241.
Course Repeatability: Course may not be repeated.

BIO 366 - Ecology

An introduction to basic ecological principles as they pertain to individual organisms, populations, communities and systems. The lab for this course is BIOL 366.

Credit Hours: 3

Prerequisite Courses: BIO 201 and BIO 202
Course Repeatability: Course may not be repeated.

BIOL 366 - Ecology Laboratory

Introduction to ecological sampling techniques and data analysis. Experience in field sampling, laboratory and computer modeling of sampling approaches, and scientific writing is also included. This course is the lab for BIO 366. This course is the lab for BIO 366.

Credit Hours: 1

Prerequisite or Corequisite Courses: BIO 366
University Studies: Building Competencies/Writing Intensive, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

BIO 495 - Seminar

Individual reports and group discussions of the results of student field, laboratory and/or library research on selected topics in biology. The lab for this course is BIOL 495.

Credit Hours: 1

Additional Restrictions/Requirements: Senior Standing.
University Studies: Explorations Beyond the Classroom, Building Competencies/Information Literacy
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 2 **Repeat Limit:** 1

CHM 101 - General Chemistry I

Overview of the fundamental laws, principles and theories of chemistry. A 'C' or better in CHM 101 is required to take certain advanced courses in chemistry.

Credit Hours: 3

Corequisite Courses: CHML 101.
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

CHML 101 - General Chemistry Laboratory I

Introduction to general chemistry laboratory techniques. This course is the lab companion course for general

chemistry lecture CHM 101.

Credit Hours: 1

Corequisite Courses: CHM 101.
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

CHM 102 - General Chemistry II

Study of the fundamental laws, principles and theories of chemistry. Introduction to inorganic chemistry. Interpretation of experimental results. A 'C' or better in CHM 102 is required to take certain advanced courses in chemistry.

Credit Hours: 3

Corequisite Courses: CHML 102.
Prerequisite Courses: CHM 101 and CHML 101.
Course Repeatability: Course may not be repeated.

CHML 102 - General Chemistry Laboratory II

Introduction to techniques and equipment used in the chemical laboratory. Interpretation of experimental results. This course is the lab for CHM 102 .

Credit Hours: 1

Corequisite Courses: CHM 102.
Prerequisite Courses: CHML 101, CHM 101.
Course Repeatability: Course may not be repeated.

Elective Courses (30 hours)

A minimum of 30 hours chosen from BIO courses numbered above 299, at least two of which must be laboratory courses. No more than 10 hours from BIO 480 , BIO 491 , BIO 493 , BIO 498 , and BIO 499 can be counted towards the 30 elective hours.

Total Credit Hours: 59-63

Additional Information:

The department strongly recommends that BIO 335 and BIO 366 be completed before taking other BIO courses at the 300 or 400 level. A "C" (2.00) or better average is required on all BIO courses above 299.

Biology, B.S.

The Bachelor of Science degree in Biology is designed to meet the needs of biology majors who may wish to pursue further education in graduate school in biology or professional schools in the health sciences. The sequence of courses conforms to entrance requirements prescribed in publications of most health professional programs.

A major in the Biology B.S. program can be declared after completing 24 credit hours and BIO 201, BIOL 201,BIO 202 and BIOL 202 or equivalent courses, with a grade of 'C' (2.00) or better in both courses. Students should contact the Program Coordinator for additional information.

Program Coordinator: Dr. Jessie Jarvis

Oral Communication Requirement:

To satisfy the oral communication requirement for the B.A. or B.S. degree in Biology or the B.S. degree in Marine Biology a student must successfully complete BIO 495.

Applied Learning Requirement:

To satisfy the applied learning requirement for the B.A. or B.S. degree in Biology or the B.S. degree in Marine Biology a student must successfully complete one of the following: senior seminar (BIO 495); honors in any science department (BIO 499, CHM 499, EVS 499, GLY 499, MAT 499, PSY 499, PHY 499); directed individual study involving hands-on experience in any science department (BIO 291, BIO 491, BIO 495, CHM 491, EVS 491, GLY 491, MAT 491, PSY 491, PHY 491); BIO 498, BIO 493; formal student teaching experience taken for UNCW credit (e.g. EDNL 406, EDN 409, EDN 411).

Requirements for a Major in Biology for the B.S. Degree:

Core (51-52 hours)

BIO 201 - Principles of Biology: Cells

Introduction to principles governing living systems, especially the cellular and molecular basis of life and the transmission and utilization of genetic information. The lab for this course is BIOL 201.

Credit Hours: 3

Prerequisite or Corequisite Courses: BIOL 201
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

BIOL 201 - Principles of Biology: Cells Laboratory

Introduction to basic cell biology sampling techniques and data analysis. Experience in laboratory approaches to introduce basic investigative skills and methods of biological inquiry. This course is the lab for BIO 201.

Credit Hours: 1

Prerequisite or Corequisite Courses: BIO 201
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

BIO 202 - Principles of Biology: Biodiversity

Evolution, classification, and diversity of life, stressing morphology, physiology, principles of adaptation, and relationships between biotic and abiotic components of ecosystems. The lab for this course is BIOL 202.

Credit Hours: 3

Prerequisite or Corequisite Courses: BIOL 202
University Studies: Building Competencies/Information Literacy, Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

BIOL 202 - Principles of Biology: Biodiversity Laboratory

Introduction to basic biodiversity sampling techniques and data analysis. Experience in laboratory approaches to introduce major taxonomic groups and biotic principles. This course is the lab for BIO 202.

Credit Hours: 1

Prerequisite or Corequisite Courses: BIO 202

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

BIO 335 - Genetics

Principles of Mendelian inheritance, gene action and molecular genetics, and population genetics. The lab for this course is BIOL 335.

Credit Hours: 3

Prerequisite Courses: BIO 201 and BIO 202
Course Repeatability: Course may not be repeated.

BIOL 335 - Genetics Laboratory

This course examines major genetic concepts and relationships between those concepts. Students will design, execute, and interpret experiments relating DNA to phenotype and investigate genetic interactions in metabolic pathways. Students will analyze and present experimental results, incorporating relevant literature and information from large-scale public genome repositories. This course is the lab for BIO

335.

Credit Hours: 1

Prerequisite Courses: Prerequisite or corequisite: BIO 335.
University Studies: Building Competencies/Writing Intensive, Building Competencies/Information Literacy, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

BIO 325 - Molecular Biology of the Cell

Chemical and physical properties of cells, with emphasis on molecular biology and experimental biological systems used to elucidate cellular function. The lab for this course is BIOL 325.

Credit Hours: 3

Prerequisite Courses: BIO 201 and BIO 202 and CHM 211
Course Repeatability: Course may not be repeated.

BIOL 325 - Molecular Biology of Cell Laboratory

Experiments demonstrating basic phenomena underlying cellular function. This course is the lab for BIO 325.

Credit Hours: 1

Prerequisite Courses: Prerequisite or corequisite: BIO 325.
University Studies: Building Competencies/Writing Intensive, Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

or

BIO 340 - Plant Physiology

Study of plant function at the molecular, cellular, and organismic levels, with emphasis placed on unique aspects of vascular plants. Topics include water relations, solute transport, photosynthesis, nitrogen metabolism, plant hormones, photo control of development, and stress physiology.

Credit Hours: 0 Or 4

Prerequisite Courses: BIO 201 and BIO 202, and

CHM 102 and CHML 102.
University Studies: Building Competencies/Writing Intensive, Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

or

BIO 345 - Animal Physiology

Comparative study of physiological processes in different organisms approached through study of tissues, organs, and systems. The lab for this course is BIOL 345.

Credit Hours: 3

Prerequisite Courses: BIO 201 and BIO 202, and CHM 102 and CHML 102.
Course Repeatability: Course may not be repeated.

BIOL 345 - Animal Physiology Laboratory

Introduction to the equipment and techniques for computer-based acquisition of physiological data. Experience in data analysis and presentation, and in computer simulations of physiological experiments is also included. This course is the lab for BIO 345.

Credit Hours: 1

Prerequisite Courses: Prerequisite or corequisite: BIO 345.
University Studies: Building Competencies/Writing Intensive, Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

or

BIO 240 - Human Anatomy and Physiology I

Lecture must be taken concurrent with BIOL 240 . An introduction to the human organism with particular emphasis on maintenance of an internal steady state. Tissues, musculoskeletal, nervous, and endocrine systems are stressed. The lab for this course is BIOL 240.

Credit Hours: 3

Corequisite Courses: BIOL 240.
Prerequisite Courses: BIO 201 and CHM 101 and CHML 101.
University Studies: Approaches and

Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

BIOL 240 - Human Anatomy and Physiology Laboratory I

Basic histology, dissections, and physiology experiments to demonstrate principles explored in BIO 240. This course is the lab for BIO 240.

Credit Hours: 1

Prerequisite Courses: Prerequisite or corequisite: BIO 240.
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

BIO 241 - Human Anatomy and Physiology II

A comprehensive study of human organ systems as relates to the maintenance of homeostasis. Topics include cardiovascular, respiratory, digestive, urinary, and reproductive systems. The lab for this course is

BIOL 241.

Credit Hours: 3

Corequisite Courses: BIOL 241
Prerequisite Courses: BIO 240
Course Repeatability: Course may not be repeated.

BIOL 241 - Human Anatomy and Physiology Laboratory II

Basic histology, dissections, and physiology experiments to demonstrate principles explored in BIO 241. This course is the lab for BIO 241.

Credit Hours: 1

Prerequisite Courses: Prerequisite or corequisite: BIO 241.
Course Repeatability: Course may not be repeated.

BIO 366 - Ecology

An introduction to basic ecological principles as they pertain to individual organisms, populations, communities and systems. The lab for this course is

BIOL 366.

Credit Hours: 3

Prerequisite Courses: BIO 201 and BIO 202
Course Repeatability: Course may not be repeated.

BIOL 366 - Ecology Laboratory

Introduction to ecological sampling techniques and data analysis. Experience in field sampling, laboratory and computer modeling of sampling approaches, and scientific writing is also included. This course is the lab for BIO 366. This course is the lab for BIO 366.

Credit Hours: 1

Prerequisite or Corequisite Courses: BIO 366
University Studies: Building Competencies/Writing Intensive, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

and

BIO 495 - Seminar

Individual reports and group discussions of the results of student field, laboratory and/or library research on selected topics in biology. The lab for this course is BIOL 495.

Credit Hours: 1

Additional Restrictions/Requirements: Senior Standing.
University Studies: Explorations Beyond the Classroom, Building Competencies/Information Literacy
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 2 **Repeat Limit:** 1

CHM 101 - General Chemistry I

Overview of the fundamental laws, principles and theories of chemistry. A 'C' or better in CHM 101 is required to take certain advanced courses in chemistry.

Credit Hours: 3

Corequisite Courses: CHML 101.
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural

World
Course Repeatability: Course may not be repeated.

CHML 101 - General Chemistry Laboratory I

Introduction to general chemistry laboratory techniques. This course is the lab companion course for general chemistry lecture CHM 101.

Credit Hours: 1

Corequisite Courses: CHM 101.
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

CHM 102 - General Chemistry II

Study of the fundamental laws, principles and theories of chemistry. Introduction to inorganic chemistry. Interpretation of experimental results. A 'C' or better in CHM 102 is required to take certain advanced courses in chemistry.

Credit Hours: 3

Corequisite Courses: CHML 102.
Prerequisite Courses: CHM 101 and CHML 101.
Course Repeatability: Course may not be repeated.

CHML 102 - General Chemistry Laboratory II

Introduction to techniques and equipment used in the chemical laboratory. Interpretation of experimental results. This course is the lab for CHM 102 .

Credit Hours: 1

Corequisite Courses: CHM 102.
Prerequisite Courses: CHML 101, CHM 101.
Course Repeatability: Course may not be repeated.

CHM 211 - Organic Chemistry I

Introduction to the chemistry of carbon compounds, including structure, reactions, mechanisms, and the concepts of organic synthesis. It is strongly recommended that students take the lab (CHML 211) concurrently with the lecture. The lab for this course is CHML 211.

Credit Hours: 3

Prerequisite Courses: CHM 102
Course Repeatability: Course may not be repeated.

CHML 211 - Organic Chemistry Laboratory I

Introduction to reactions of organic compounds and basic laboratory techniques. This course is the lab for CHM 211.

Credit Hours: 1

Prerequisite or Corequisite Courses: CHM 211.
Prerequisite Courses: CHML 102
Course Repeatability: Course may not be repeated.

CHM 212 - Organic Chemistry II

Reactions and reaction mechanisms of organic compounds. A 'C' or better in CHM 212 is required to take certain advanced courses in chemistry. The lab for this course is CHML 212. It is strongly recommended that students take the lab (CHML 212) concurrently with the lecture.

Credit Hours: 3

Prerequisite Courses: CHM 211 with a minimum grade of C
Course Repeatability: Course may not be repeated.

CHML 212 - Organic Chemistry Laboratory II

Reactions of organic compounds and the use of spectroscopic methods in the laboratory. This course is the lab for CHM 212.

Credit Hours: 1

Prerequisite Courses: Prerequisite:CHML 211. Prerequisite or corequisite: CHM 212.
Course Repeatability: Course may not be repeated.

or

BIO 465 - Biochemistry

Chemical properties and metabolism of amino acids, proteins, carbohydrates, lipids, and nucleic acids; enzymes kinetics; bioenergetics regulatory mechanisms. The lab for this course is BIOL 465.

Credit Hours: 3

Prerequisite Courses: BIO 201 and BIO 202 and CHM 211
Additional Restrictions/Requirements: Junior or senior standing.
Course Repeatability: Course may not be repeated.

BIOL 465 - Biochemistry Laboratory

Experiments demonstrating basic phenomena and techniques of biochemistry. This course is the lab for BIO 465.

Credit Hours: 1

Prerequisite Courses: Prerequisite or corequisite: BIO 465.
Course Repeatability: Course may not be repeated.

PHY 101 - Elementary College Physics I

First semester of a two semester algebra-based introduction to the fundamental principles of physics. Topics include kinematics, Newtonian statics and dynamics, gravitation, oscillations, and mechanical

waves.

Credit Hours: 4

Prerequisite or Corequisite Courses: MAT 111 or MAT 112 or MAT 150 or MAT 151 or MAT 160 or MAT 161
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

or

PHY 106 - Physics of Sailing

Application of physics principles to sailing. Topics include kinetics, vectors, Newtonian mechanics, and fluid mechanics. Basic keelboat sailing is taught in the laboratory component, leading to American Sailing Association ASA 101, certification. Three lecture and two laboratory hours each week. Fee required.

Credit Hours: 4

Prerequisite or Corequisite Courses: MAT 111 or

MAT 112 or MAT 150 or MAT 151 or MAT 160 or MAT 161

Course Repeatability: Course may not be repeated.

or

PHY 201 - General Physics I

First semester of a two semester calculus-based introduction to the fundamental principles of physics for the physical and mathematical sciences. Topics include kinematics, Newtonian statics and dynamics, gravitation, oscillations, and mechanical waves.

Credit Hours: 4

Prerequisite or Corequisite Courses: MAT 161

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World

Course Repeatability: Course may not be repeated.

PHY 102 - Elementary College Physics II

Second semester of a two semester algebra-based introduction to the fundamental principles of physics. Topics include electric and magnetic fields, circuits,

electromagnetic waves, and optics.

Credit Hours: 4

Prerequisite Courses: PHY 101
Course Repeatability: Course may not be repeated.

or

PHY 202 - General Physics II

Second semester of a two semester calculus-based introduction to the fundamental principles of physics for the physical and mathematical sciences. Topics include electric and magnetic fields, circuits, Maxwell's equations, electromagnetic waves, and optics.

Credit Hours: 4

Prerequisite or Corequisite Courses: MAT 162
Prerequisite Courses: PHY 201
Course Repeatability: Course may not be repeated.

MAT 151 - Basic Calculus with Applications I

Intended for majors that emphasize techniques and applications. Study of linear and nonlinear functions,

differentiation with applications, Riemann sums, integration, and the Fundamental Theorem of Calculus.

Credit Hours: 3

Prerequisite Courses: MAT 111 or MAT 150 or MAT 160, or satisfactory performance on the UNCW mathematics placement test.
University Studies: Foundations/Mathematics and Statistics, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

MAT 161 - Calculus with Analytical Geometry I

Calculus of a single variable intended for students in the mathematical and natural sciences. Functions and limits; differentiation with applications including maxima and minima, related rates, and approximations; theory of integration with applications; and transcendental functions.

Credit Hours: 4

Prerequisite Courses: MAT 112 or MAT 160, or satisfactory performance on the UNCW mathematics

placement test.
University Studies: Foundations/Mathematics and Statistics, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

STT 215 - Introduction to Statistics

Methods of data collection; numerical and graphical analyses of univariate and bivariate data; axioms of probability; conditional probability; independence; distributions of random variables; introduction to confidence intervals and hypothesis testing; simple linear regression and correlation; use of statistical software to analyze data and simulate random variables.

Credit Hours: 3

University Studies: Foundations/Mathematics and Statistics
Course Repeatability: Course may not be repeated.

Biology Option (19 hours):

Must complete general requirements for B.S. Degree in Biology. Additionally, must take a minimum of 19 hours

chosen from BIO courses numbered above 299. No more than 10 hours from BIO 480, BIO 491, BIO 493, BIO 498, and BIO 499 can be counted towards the elective 19 hours. This program is designed to meet the needs of biology majors to immediately begin a career in biology or who may wish to pursue further education in graduate school in biology or professional schools in the health sciences.

Total Credit Hours: 70-71

Additional Information:

The department strongly recommends that two out of BIO 366; BIO 335; BIO 340 or BIO 345 or BIO 240 be completed before taking other BIO courses at the 300 or 400 level. A "C" (2.00) or better average is required for BIO/BIOL courses above 299.

Pre-Health Option

This program is designed to meet the needs of biology majors who may wish to pursue further education in medical school or professional schools in the health sciences. The sequence of courses conforms to entrance requirements prescribed in publications of the Association of American Medical Colleges, the

American Association of Dental Schools, and the Council on Optometric Education of the American Optometric Association.

Students interested in health professional schools should contact Dr. Art Frampton.

Pre-Health Option Core Courses (57 hours)

BIO 201 - Principles of Biology: Cells

Introduction to principles governing living systems, especially the cellular and molecular basis of life and the transmission and utilization of genetic information. The lab for this course is BIOL 201.

Credit Hours: 3

Prerequisite or Corequisite Courses: BIOL 201
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

BIOL 201 - Principles of Biology: Cells Laboratory

Introduction to basic cell biology sampling techniques and data analysis. Experience in laboratory approaches to introduce basic investigative skills and methods of biological inquiry. This course is the lab for BIO 201.

Credit Hours: 1

Prerequisite or Corequisite Courses: BIO 201
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

BIO 202 - Principles of Biology: Biodiversity

Evolution, classification, and diversity of life, stressing morphology, physiology, principles of adaptation, and relationships between biotic and abiotic components of ecosystems. The lab for this course is BIOL 202.

Credit Hours: 3

Prerequisite or Corequisite Courses: BIOL 202
University Studies: Building Competencies/Information Literacy, Approaches and

Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

BIOL 202 - Principles of Biology: Biodiversity Laboratory

Introduction to basic biodiversity sampling techniques and data analysis. Experience in laboratory approaches to introduce major taxonomic groups and biotic principles. This course is the lab for BIO 202.

Credit Hours: 1

Prerequisite or Corequisite Courses: BIO 202
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

BIO 240 - Human Anatomy and Physiology I

Lecture must be taken concurrent with BIOL 240 . An introduction to the human organism with particular emphasis on maintenance of an internal steady state. Tissues, musculoskeletal, nervous, and endocrine

systems are stressed. The lab for this course is BIOL 240.

Credit Hours: 3

Corequisite Courses: BIOL 240.
Prerequisite Courses: BIO 201 and CHM 101 and CHML 101.
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

BIOL 240 - Human Anatomy and Physiology Laboratory I

Basic histology, dissections, and physiology experiments to demonstrate principles explored in BIO 240. This course is the lab for BIO 240.

Credit Hours: 1

Prerequisite Courses: Prerequisite or corequisite: BIO 240.
University Studies: Approaches and

Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

BIO 241 - Human Anatomy and Physiology II

A comprehensive study of human organ systems as relates to the maintenance of homeostasis. Topics include cardiovascular, respiratory, digestive, urinary, and reproductive systems. The lab for this course is BIOL 241.

Credit Hours: 3

Corequisite Courses: BIOL 241
Prerequisite Courses: BIO 240
Course Repeatability: Course may not be repeated.

BIOL 241 - Human Anatomy and Physiology Laboratory II

Basic histology, dissections, and physiology experiments to demonstrate principles explored in BIO 241. This course is the lab for BIO 241.

Credit Hours: 1

Prerequisite Courses: Prerequisite or corequisite: BIO 241.
Course Repeatability: Course may not be repeated.

BIO 330 - Microbiology

Study of pathogenic and nonpathogenic microorganisms with emphasis on the biology of bacteria and viruses. The lab for this course is BIOL 330.

Credit Hours: 3

Prerequisite Courses: BIO 201 and BIO 202.
Course Repeatability: Course may not be repeated.

BIOL 330 - Microbiology Laboratory

Introduction to basic microbiological laboratory techniques. Experience in laboratory approaches to introduce basic laboratory skills in microbial cultures, staining, biochemical assays, and microorganism identification. This course is the lab for BIO 330. This course is the lab for BIO 330.

Credit Hours: 2

Prerequisite or Corequisite Courses: BIO 330
University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

BIO 335 - Genetics

Principles of Mendelian inheritance, gene action and molecular genetics, and population genetics. The lab for this course is BIOL 335.

Credit Hours: 3

Prerequisite Courses: BIO 201 and BIO 202
Course Repeatability: Course may not be repeated.

BIOL 335 - Genetics Laboratory

This course examines major genetic concepts and relationships between those concepts. Students will design, execute, and interpret experiments relating DNA to phenotype and investigate genetic interactions in metabolic pathways. Students will analyze and present experimental results, incorporating relevant

literature and information from large-scale public genome repositories. This course is the lab for BIO 335.

Credit Hours: 1

Prerequisite Courses: Prerequisite or corequisite: BIO 335.
University Studies: Building Competencies/Writing Intensive, Building Competencies/Information Literacy, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

BIO 465 - Biochemistry

Chemical properties and metabolism of amino acids, proteins, carbohydrates, lipids, and nucleic acids; enzymes kinetics; bioenergetics regulatory mechanisms. The lab for this course is BIOL 465.

Credit Hours: 3

Prerequisite Courses: BIO 201 and BIO 202 and CHM 211
Additional Restrictions/Requirements: Junior or

senior standing.
Course Repeatability: Course may not be repeated.

BIOL 465 - Biochemistry Laboratory

Experiments demonstrating basic phenomena and techniques of biochemistry. This course is the lab for BIO 465.

Credit Hours: 1

Prerequisite Courses: Prerequisite or corequisite: BIO 465.
Course Repeatability: Course may not be repeated.
and

BIO 495 - Seminar

Individual reports and group discussions of the results of student field, laboratory and/or library research on selected topics in biology. The lab for this course is BIOL 495.

Credit Hours: 1

Additional Restrictions/Requirements: Senior

Standing.
University Studies: Explorations Beyond the Classroom, Building Competencies/Information Literacy
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 2 **Repeat Limit:** 1

CHM 101 - General Chemistry I

Overview of the fundamental laws, principles and theories of chemistry. A 'C' or better in CHM 101 is required to take certain advanced courses in chemistry.

Credit Hours: 3

Corequisite Courses: CHML 101.
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

CHML 101 - General Chemistry Laboratory I

Introduction to general chemistry laboratory techniques. This course is the lab companion course for general chemistry lecture CHM 101.

Credit Hours: 1

Corequisite Courses: CHM 101.
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

CHM 102 - General Chemistry II

Study of the fundamental laws, principles and theories of chemistry. Introduction to inorganic chemistry. Interpretation of experimental results. A 'C' or better in CHM 102 is required to take certain advanced courses in chemistry.

Credit Hours: 3

Corequisite Courses: CHML 102.
Prerequisite Courses: CHM 101 and CHML 101.
Course Repeatability: Course may not be repeated.

CHML 102 - General Chemistry Laboratory II

Introduction to techniques and equipment used in the chemical laboratory. Interpretation of experimental

results. This course is the lab for CHM 102 .

Credit Hours: 1

Corequisite Courses: CHM 102.
Prerequisite Courses: CHML 101, CHM 101.
Course Repeatability: Course may not be repeated.

CHM 211 - Organic Chemistry I

Introduction to the chemistry of carbon compounds, including structure, reactions, mechanisms, and the concepts of organic synthesis. It is strongly recommended that students take the lab (CHML 211) concurrently with the lecture. The lab for this course is CHML 211.

Credit Hours: 3

Prerequisite Courses: CHM 102
Course Repeatability: Course may not be repeated.

CHML 211 - Organic Chemistry Laboratory I

Introduction to reactions of organic compounds and basic laboratory techniques. This course is the lab for

CHM 211.

Credit Hours: 1

Prerequisite or Corequisite Courses: CHM 211.
Prerequisite Courses: CHML 102
Course Repeatability: Course may not be repeated.

CHM 212 - Organic Chemistry II

Reactions and reaction mechanisms of organic compounds. A 'C' or better in CHM 212 is required to take certain advanced courses in chemistry. The lab for this course is CHML 212. It is strongly recommended that students take the lab (CHML 212) concurrently with the lecture.

Credit Hours: 3

Prerequisite Courses: CHM 211 with a minimum grade of C
Course Repeatability: Course may not be repeated.

CHML 212 - Organic Chemistry Laboratory II

Reactions of organic compounds and the use of spectroscopic methods in the laboratory. This course is the lab for CHM 212.

Credit Hours: 1

Prerequisite Courses: Prerequisite:CHML 211. Prerequisite or corequisite: CHM 212.
Course Repeatability: Course may not be repeated.

PHY 101 - Elementary College Physics I

First semester of a two semester algebra-based introduction to the fundamental principles of physics. Topics include kinematics, Newtonian statics and dynamics, gravitation, oscillations, and mechanical waves.

Credit Hours: 4

Prerequisite or Corequisite Courses: MAT 111 or MAT 112 or MAT 150 or MAT 151 or MAT 160 or MAT 161
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural

World
Course Repeatability: Course may not be repeated.

or

PHY 201 - General Physics I

First semester of a two semester calculus-based introduction to the fundamental principles of physics for the physical and mathematical sciences. Topics include kinematics, Newtonian statics and dynamics, gravitation, oscillations, and mechanical waves.

Credit Hours: 4

Prerequisite or Corequisite Courses: MAT 161
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

PHY 102 - Elementary College Physics II

Second semester of a two semester algebra-based introduction to the fundamental principles of physics. Topics include electric and magnetic fields, circuits, electromagnetic waves, and optics.

Credit Hours: 4

Prerequisite Courses: PHY 101
Course Repeatability: Course may not be repeated.

or

PHY 202 - General Physics II

Second semester of a two semester calculus-based introduction to the fundamental principles of physics for the physical and mathematical sciences. Topics include electric and magnetic fields, circuits, Maxwell's equations, electromagnetic waves, and optics.

Credit Hours: 4

Prerequisite or Corequisite Courses: MAT 162
Prerequisite Courses: PHY 201
Course Repeatability: Course may not be repeated.

STT 215 - Introduction to Statistics

Methods of data collection; numerical and graphical analyses of univariate and bivariate data; axioms of probability; conditional probability; independence;

distributions of random variables; introduction to confidence intervals and hypothesis testing; simple linear regression and correlation; use of statistical software to analyze data and simulate random variables.

Credit Hours: 3

University Studies: Foundations/Mathematics and Statistics
Course Repeatability: Course may not be repeated.

Social Science/Humanities Elective Courses (6 hours)

Must take a minimum of 6 hours chosen from the courses listed below.

PSY 105 - General Psychology

Principles of psychology with emphasis on scientific methods used in studying human behavior.

Credit Hours: 3

University Studies: Approaches and

Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

PSY 256 - PSY 256 - Brain and Behavior - Hungerford

An introductory survey of the functional anatomy of the nervous system and the roles which various neural systems play in normal and abnormal behavior.

Credit Hours: 3

Prerequisite Courses: PSY 105 and (BIO 105, BIO 140+BIOL 140, BIO 201, BIO 202, or BIO 240+BIOL 240)
Additional Restrictions/Requirements: Prerequisite courses or consent of the instructor.
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

SOC 105 - Introduction to Sociology

Introduction to the scientific study of human society and social behavior.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 336 - Sociology of Aging

Sociological theories and methods used to explain the aging process. Topics include demography, age stratification, aging and the life course, minority elderly, housing patterns, health, and social policy.

Credit Hours: 3

Prerequisite Courses: SOC 105 or GRN 101
University Studies: Approaches and Perspectives/Living in Our Diverse Nation, Approaches and Perspectives/Understanding Human Institutions and Behaviors

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 337 - Medical Sociology

A sociocultural analysis of the general area of health and illness. Emphasis is given to understanding the distribution of health and illness in the United States and its impact on the patient status. The course includes a discussion of the organization and use of health care services from a sociological perspective.

Credit Hours: 3

Prerequisite Courses: SOC 105
University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 433 - Sociology of Mental Disorder

Examination of the influences of race, social class, gender, and age on the incidence and prevalence of mental disorder. Consideration of the institutions that

help those with mental disorders. Review of mental health law, including definitions of dangerousness, insanity as defense, mental health courts, and the right to treatment.

Credit Hours: 3

Prerequisite Courses: SOC 105.
University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 438 - Social Epidemiology

Methods and substance of social epidemiology; demographics of illness in American society. Case studies linking environmental and behavioral variables to disease incidence examined. Specific attention to the social response to AIDS and other communicable diseases.

Credit Hours: 3

Prerequisite Courses: SOC 105
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

Pre-Health Elective Courses (12 hours)

Students must take a minimum of 12 hours chosen from courses numbered above BIO 299 and not used to satisfy other requirements. ATR 470 will also count towards biology electives. No more than 10 hours from BIO 480 , BIO 491 , BIO 493 , BIO 498 , and BIO 499 can be counted towards the 12 elective hours.Working closely with an advisor, students may select elective courses tailored to individual needs (for example; Pre-health Professional: BIO 315 , BIO 316 , BIO 320 , BIO 325 , BIO 370 , BIO 459 , BIO 465).

Total Credit Hours: 75

Pre-Veterinary Medicine Option

This program is designed to meet the needs of biology majors who may wish to pursue further education in the veterinary health sciences. The sequences of courses conform to entrance requirements prescribed in

publications of most veterinary professional programs. However, students should check each school's pre-requisites, as they can vary from school to school.

Pre-Veterinary Medicine Option Core Courses (56 hours)

BIO 201 - Principles of Biology: Cells

Introduction to principles governing living systems, especially the cellular and molecular basis of life and the transmission and utilization of genetic information. The lab for this course is BIOL 201.

Credit Hours: 3

Prerequisite or Corequisite Courses: BIOL 201
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

BIOL 201 - Principles of Biology: Cells Laboratory

Introduction to basic cell biology sampling techniques and data analysis. Experience in laboratory approaches to introduce basic investigative skills and methods of biological inquiry. This course is the lab for BIO 201.

Credit Hours: 1

Prerequisite or Corequisite Courses: BIO 201
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

BIO 202 - Principles of Biology: Biodiversity

Evolution, classification, and diversity of life, stressing morphology, physiology, principles of adaptation, and relationships between biotic and abiotic components of ecosystems. The lab for this course is BIOL 202.

Credit Hours: 3

Prerequisite or Corequisite Courses: BIOL 202
University Studies: Building Competencies/Information Literacy, Approaches and

Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

BIOL 202 - Principles of Biology: Biodiversity Laboratory

Introduction to basic biodiversity sampling techniques and data analysis. Experience in laboratory approaches to introduce major taxonomic groups and biotic principles. This course is the lab for BIO 202.

Credit Hours: 1

Prerequisite or Corequisite Courses: BIO 202
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

BIO 330 - Microbiology

Study of pathogenic and nonpathogenic microorganisms with emphasis on the biology of bacteria and viruses. The lab for this course is BIOL 330.

Credit Hours: 3

Prerequisite Courses: BIO 201 and BIO 202.
Course Repeatability: Course may not be repeated.

BIOL 330 - Microbiology Laboratory

Introduction to basic microbiological laboratory techniques. Experience in laboratory approaches to introduce basic laboratory skills in microbial cultures, staining, biochemical assays, and microorganism identification. This course is the lab for BIO 330. This course is the lab for BIO 330.

Credit Hours: 2

Prerequisite or Corequisite Courses: BIO 330
University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

BIO 335 - Genetics

Principles of Mendelian inheritance, gene action and molecular genetics, and population genetics. The lab

for this course is BIOL 335.

Credit Hours: 3

Prerequisite Courses: BIO 201 and BIO 202
Course Repeatability: Course may not be repeated.

BIOL 335 - Genetics Laboratory

This course examines major genetic concepts and relationships between those concepts. Students will design, execute, and interpret experiments relating DNA to phenotype and investigate genetic interactions in metabolic pathways. Students will analyze and present experimental results, incorporating relevant literature and information from large-scale public genome repositories. This course is the lab for BIO 335.

Credit Hours: 1

Prerequisite Courses: Prerequisite or corequisite: BIO 335.
University Studies: Building Competencies/Writing Intensive, Building Competencies/Information Literacy,

Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

BIO 345 - Animal Physiology

Comparative study of physiological processes in different organisms approached through study of tissues, organs, and systems. The lab for this course is BIOL 345.

Credit Hours: 3

Prerequisite Courses: BIO 201 and BIO 202, and CHM 102 and CHML 102.
Course Repeatability: Course may not be repeated.

BIOL 345 - Animal Physiology Laboratory

Introduction to the equipment and techniques for computer-based acquisition of physiological data. Experience in data analysis and presentation, and in computer simulations of physiological experiments is also included. This course is the lab for BIO 345.

Credit Hours: 1

Prerequisite Courses: Prerequisite or corequisite: BIO 345.
University Studies: Building Competencies/Writing Intensive, Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

BIO 346 - Animal Nutrition

Exploration of the anatomy and physiology of the digestive system of domestic ruminant and non-ruminant animals, the classification of nutrients, and the application of animal nutrition and feeding.

Credit Hours: 3

Prerequisite Courses: BIO 201, BIO 202, CHM 101, CHM 102.
Course Repeatability: Course may not be repeated.

BIO 465 - Biochemistry

Chemical properties and metabolism of amino acids, proteins, carbohydrates, lipids, and nucleic acids; enzymes kinetics; bioenergetics regulatory mechanisms. The lab for this course is BIOL 465.

Credit Hours: 3

Prerequisite Courses: BIO 201 and BIO 202 and CHM 211
Additional Restrictions/Requirements: Junior or senior standing.
Course Repeatability: Course may not be repeated.

BIOL 465 - Biochemistry Laboratory

Experiments demonstrating basic phenomena and techniques of biochemistry. This course is the lab for BIO 465.

Credit Hours: 1

Prerequisite Courses: Prerequisite or corequisite: BIO 465.
Course Repeatability: Course may not be repeated.

and

BIO 495 - Seminar

Individual reports and group discussions of the results of student field, laboratory and/or library research on selected topics in biology. The lab for this course is

BIOL 495.

Credit Hours: 1

Additional Restrictions/Requirements: Senior Standing.
University Studies: Explorations Beyond the Classroom, Building Competencies/Information Literacy
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 2 **Repeat Limit:** 1

CHM 101 - General Chemistry I

Overview of the fundamental laws, principles and theories of chemistry. A 'C' or better in CHM 101 is required to take certain advanced courses in chemistry.

Credit Hours: 3

Corequisite Courses: CHML 101.
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

CHML 101 - General Chemistry Laboratory I

Introduction to general chemistry laboratory techniques. This course is the lab companion course for general chemistry lecture CHM 101.

Credit Hours: 1

Corequisite Courses: CHM 101.
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

CHM 102 - General Chemistry II

Study of the fundamental laws, principles and theories of chemistry. Introduction to inorganic chemistry. Interpretation of experimental results. A 'C' or better in CHM 102 is required to take certain advanced courses in chemistry.

Credit Hours: 3

Corequisite Courses: CHML 102.
Prerequisite Courses: CHM 101 and CHML 101.
Course Repeatability: Course may not be repeated.

CHML 102 - General Chemistry Laboratory II

Introduction to techniques and equipment used in the chemical laboratory. Interpretation of experimental results. This course is the lab for CHM 102 .

Credit Hours: 1

Corequisite Courses: CHM 102.
Prerequisite Courses: CHML 101, CHM 101.
Course Repeatability: Course may not be repeated.

CHM 211 - Organic Chemistry I

Introduction to the chemistry of carbon compounds, including structure, reactions, mechanisms, and the concepts of organic synthesis. It is strongly recommended that students take the lab (CHML 211) concurrently with the lecture. The lab for this course is CHML 211.

Credit Hours: 3

Prerequisite Courses: CHM 102
Course Repeatability: Course may not be repeated.

CHML 211 - Organic Chemistry Laboratory I

Introduction to reactions of organic compounds and basic laboratory techniques. This course is the lab for CHM 211.

Credit Hours: 1

Prerequisite or Corequisite Courses: CHM 211.
Prerequisite Courses: CHML 102
Course Repeatability: Course may not be repeated.

CHM 212 - Organic Chemistry II

Reactions and reaction mechanisms of organic compounds. A 'C' or better in CHM 212 is required to take certain advanced courses in chemistry. The lab for this course is CHML 212. It is strongly recommended that students take the lab (CHML 212) concurrently with the lecture.

Credit Hours: 3

Prerequisite Courses: CHM 211 with a minimum grade of C
Course Repeatability: Course may not be repeated.

CHML 212 - Organic Chemistry Laboratory II

Reactions of organic compounds and the use of spectroscopic methods in the laboratory. This course is the lab for CHM 212.

Credit Hours: 1

Prerequisite Courses: Prerequisite:CHML 211. Prerequisite or corequisite: CHM 212.
Course Repeatability: Course may not be repeated.

PHY 101 - Elementary College Physics I

First semester of a two semester algebra-based introduction to the fundamental principles of physics. Topics include kinematics, Newtonian statics and dynamics, gravitation, oscillations, and mechanical waves.

Credit Hours: 4

Prerequisite or Corequisite Courses: MAT 111 or MAT 112 or MAT 150 or MAT 151 or MAT 160 or MAT 161
University Studies: Approaches and

Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

or

PHY 201 - General Physics I

First semester of a two semester calculus-based introduction to the fundamental principles of physics for the physical and mathematical sciences. Topics include kinematics, Newtonian statics and dynamics, gravitation, oscillations, and mechanical waves.

Credit Hours: 4

Prerequisite or Corequisite Courses: MAT 161
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

PHY 102 - Elementary College Physics II

Second semester of a two semester algebra-based introduction to the fundamental principles of physics. Topics include electric and magnetic fields, circuits,

electromagnetic waves, and optics.

Credit Hours: 4

Prerequisite Courses: PHY 101
Course Repeatability: Course may not be repeated.

or

PHY 202 - General Physics II

Second semester of a two semester calculus-based introduction to the fundamental principles of physics for the physical and mathematical sciences. Topics include electric and magnetic fields, circuits, Maxwell's equations, electromagnetic waves, and optics.

Credit Hours: 4

Prerequisite or Corequisite Courses: MAT 162
Prerequisite Courses: PHY 201
Course Repeatability: Course may not be repeated.

STT 215 - Introduction to Statistics

Methods of data collection; numerical and graphical analyses of univariate and bivariate data; axioms of

probability; conditional probability; independence; distributions of random variables; introduction to confidence intervals and hypothesis testing; simple linear regression and correlation; use of statistical software to analyze data and simulate random variables.

Credit Hours: 3

University Studies: Foundations/Mathematics and Statistics
Course Repeatability: Course may not be repeated.

Pre-Veterinary Medicine Elective Courses (11 hours)

Students must take a minimum of 11 hours chosen from BIO courses numbered above 299. PSY 457 will also count towards biology electives. No more than 10 hours from BIO 480 , BIO 491 , BIO 493 , BIO 498 , and BIO 499 can be counted towards the 11 elective hours.

Social Science/Humanities Elective Courses (6 hours)

Students must take a minimum of 6 hours chosen in any combination of Humanities and/or Social Sciences. Humanities courses include, but are not limited to, history, foreign language, literature (English, American, etc.), music, art, and theater. Social Science courses include, but are not limited to, anthropology, philosophy, political science, psychology, and sociology.

Total Credit Hours: 73

Terrestrial and Freshwater Conservation Option:

The B.S. Biology Terrestrial and Freshwater Conservation option provides a B.S. Biology degree plan that is designed for students primarily interested in the biological aspects of conservation science (e.g. community ecology, population biology, biogeography, conservation genetics and assessment of threatened or endangered species and habitats). To complete this degree option, students must complete the general requirements for B.S. Degree in Biology, and the course requirements listed below.

Students planning to attend graduate school are also encouraged to take CHM 235; MAT 152 or MAT 162; CSC 112, CSC 121.

Conservation Science Requirement (53-54 hours)

BIO 466 - Conservation Biology

A scientific approach to the protection, maintenance, and restoration of biological diversity, including its ecological and evolutionary processes and total environment.

Credit Hours: 3

Prerequisite Courses: BIO 366 or BIO 362
Additional Restrictions/Requirements: Junior or senior standing.
Course Repeatability: Course may not be repeated.

Elective Courses (16 hours)

Students must take a minimum 16 hours of biology elective courses numbered above 299 to be chosen from the following set of courses:

BIO 311 - Terrestrial Botany

Morphological and anatomical survey of the embryophytes (land plants) with an emphasis on life histories, evolutionary origins, and phylogenetic relationships. May include local field trips.

Credit Hours: 4

Prerequisite Courses: BIO 201 and BIO 202
Course Repeatability: Course may not be repeated.

BIO 318 - Invertebrate Zoology

Survey of invertebrate animals with emphasis on the structure, function, phylogeny, ecology, and life histories of marine taxa. The lab for this course is BIOL 318.

Credit Hours: 3

Corequisite Courses: BIOL 318
Prerequisite Courses: BIO 201 and BIO 202.
Course Repeatability: Course may not be repeated.

BIOL 318 - Invertebrate Zoology Laboratory

Introduction to invertebrate sampling techniques and data analysis. Experience in species identification with emphasis on the structure, function, phylogeny, ecology, and life histories of marine taxa. This course is the lab for BIO 318.

Corequisite Courses: BIO 318
Prerequisite Courses: BIO 201 and BIO 202.
Course Repeatability: Course may not be repeated.

BIO 322 - Biological Invasions

The scientific study of the invasion process, persistence, and spread of introduced species; ecological and economic impacts and management of introduced species; and how global change influences the impact of introduced species on human resources.

Credit Hours: 3

Prerequisite Courses: BIO 201 and BIO 202.
Course Repeatability: Course may not be repeated.

BIO 346 - Animal Nutrition

Exploration of the anatomy and physiology of the digestive system of domestic ruminant and non-ruminant animals, the classification of nutrients, and the application of animal nutrition and feeding.

Credit Hours: 3

Prerequisite Courses: BIO 201, BIO 202, CHM 101, CHM 102.
Course Repeatability: Course may not be repeated.

BIO 356 - Vertebrate Natural History

An introduction to the vertebrates with emphasis on systematics, adaptations, life history, behavior, and ecology. Laboratory emphasis on the identification and natural history of regional fauna. Limited field study is required.

Credit Hours: 0 Or 4

Prerequisite Courses: BIO 201 and BIO 202
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 4

BIO 367 - Antarctic Ecology, Geology, History, and Policy

An in-depth examination of the frozen continent including its geologic origins, ice sheet formation, and fossil record. Its unique ecology, endemic wildlife, discovery and human history, anthropogenic impacts, and current international agreements to protect resources will also be examined. Open to juniors and seniors from all major departments. Also offered as BIO 585 with additional requirements.

Credit Hours: 3

Prerequisite Courses: BIO 201 and BIO 202
Course Repeatability: Course may not be repeated.

BIO 368 - Behavioral Ecology

Evolutionary approach focusing on both proximate and ultimate causes of behavior. Feeding and antipredatory behavior, habitat selection, territoriality, reproductive behavior, mating systems, parental care, animal communication, and the evolution of social behavior. Emphasis on birds, mammals, and fish.

Credit Hours: 3

Prerequisite Courses: BIO 201 and BIO 202 and BIO 366
Course Repeatability: Course may not be repeated.

BIO 378 - Global Environmental Problems

Review and discussion of causes and effects of major environmental problems, with emphasis on ecosystem-level effects and interactions. Topics include extinction, deforestation, climate change, and pollution impacts.

Credit Hours: 3

Prerequisite Courses: BIO 201 and BIO 202 and CHM 101 and CHML 101.
Course Repeatability: Course may not be repeated.

BIO 430 - Evolutionary Biology

Study of biological change over time through pathways of descent and through adaptation, including how biological diversity, from molecular through organismal levels, originates and is maintained. Focus on modern evolutionary analysis and applications in medicine,

agriculture, and conservation.

Credit Hours: 3

Prerequisite Courses: BIO 335
Crosslisting: ANT 430
Course Repeatability: Course may not be repeated.

BIO 452 - Mammalogy

Study of mammals, emphasizing their evolution, taxonomic relationships, structural and physiological adaption, and life histories.

Credit Hours: 4

Prerequisite Courses: BIO 201 and BIO 202
Course Repeatability: Course may not be repeated.

BIO 456 - Ornithology

An introduction to avian biology with an emphasis on the evolution, classification, physiology, ecology, natural history, and conservation of birds. The lab for this course is BIOL 456.

Credit Hours: 3

Corequisite Courses: BIOL 456
Prerequisite Courses: BIO 201, BIO 202, and BIO 366 or BIO 362
Course Repeatability: Course may not be repeated.

BIOL 456 - Ornithology Laboratory

Introduction to avian anatomy and field identification of North Carolina birds with field trips to local areas. The class may include weekend camping trips or visits to field stations in North Carolina. This course is the lab for BIO 456.

Credit Hours: 1

Corequisite Courses: BIO 456
Prerequisite Courses: BIO 201, BIO 202, and (BIO 366 or BIO 362)
Course Repeatability: Course may not be repeated.

BIO 458 - Fisheries Biology

An examination of the factors that control the population dynamics of fishes. Introduction to the

principles of fisheries science including estimation of population metrics such as age, growth, mortality, and abundance, fish stock assessment, and fishery management strategies. The lab for this course is BIOL 458.

Credit Hours: 3

Prerequisite Courses: BIO 366 or BIO 362
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

BIOL 458 - Fisheries Biology Laboratory

Laboratory exercises designed to compliment material presented in BIO 458 lecture. Exercise includes processing of age and growth information, modeling of growth and mortality, field sampling, abundance estimation, and single-species stock assessments. This course is the lab for BIO 458. This course is the lab for BIO 458.

Credit Hours: 1

Prerequisite or Corequisite Courses: BIO 458
Course Repeatability: Course may not be repeated.

BIO 460 - Limnology

An examination of the physical, chemical, and biological characteristics of freshwater systems, particularly lakes and ponds. The lab for this course is BIOL 460.

Credit Hours: 3

Prerequisite Courses: BIO 201 and BIO 202, and CHM 102 and CHML 102.
Additional Restrictions/Requirements: Junior or senior standing.
Course Repeatability: Course may not be repeated.

BIOL 460 - Limnology Laboratory

Field and laboratory investigations of limnological problems with an emphasis on water quality. This course is the lab for BIO 460.

Credit Hours: 1

Corequisite Courses: BIO 460
Prerequisite Courses: BIO 201 and BIO 202, and CHM 102 and CHML 102.
Additional Restrictions/Requirements: Junior or senior standing.
Course Repeatability: Course may not be repeated.

BIO 475 - Plant Systematics

An introduction to identification, classification, and nomenclature of vascular plants with emphasis on the flora of southeastern North Carolina.

Credit Hours: 4

Prerequisite Courses: BIO 201 and BIO 202
Course Repeatability: Course may not be repeated.

BIO 480 - Field Studies in Biology

A research/experience-oriented field course offered in selected regional locales. Emphasis is placed on distribution, taxonomy, and ecology of animal and/or plant organisms. May be repeated under different subtitles.

Credit Hours: 1 To 6

Prerequisite Courses: BIO 201 and BIO 202
Additional Restrictions/Requirements: Prerequisite courses and consent of instructor. BIO 366 and credit in advanced zoology or botany recommended.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

BIO 482 - Wildlife Ecology

Principles of wildlife ecology and management, including population dynamics, diseases, techniques, behavior, habitat manipulations, policy and administration, and contemporary issues such as antihunting. Assigned field problems.

Credit Hours: 3

Prerequisite Courses: BIO 366
Additional Restrictions/Requirements: Junior or senior standing.
Course Repeatability: Course may not be repeated.

BIO 484 - Methods in Biological Research

Introduction to experimental design, data acquisition, statistical analysis, and preparation of manuscripts and presentations. Emphasis on multi-disciplinary approaches to hypothesis testing. Participation in a collaborative research project.

Credit Hours: 1 To 3

Prerequisite Courses: BIO 201 and BIO 202
Course Repeatability: Course may not be repeated.

BIO 487 - Introduction to Coastal Management

Interdisciplinary study of human impact on coastal environments and organisms. Physical and biotic settings of worldwide coastal regions, principles of coastal management, current topics in coastal management, and analysis of potential solutions to coastal problems.

Credit Hours: 0 Or 4

Additional Restrictions/Requirements: Junior or senior standing or consent of instructors.

Crosslisting: OCN 458, GLY 558
Course Repeatability: Course may not be repeated.

BIO 491 - Directed Individual Study

Involves investigation under faculty supervision beyond what is offered in existing courses. No more than 6 credits total may be applied to the major. For further information, consult the Enrichment Courses and Programs section in this catalogue.

Credit Hours: 1 To 3

Additional Restrictions/Requirements: Junior or senior standing, overall GPA of at least 2.00, and consent of instructor, department chair and dean.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

BIO 498 - Internship in Biological Sciences

Practical field experience and training through a program of work and study within a business or agency. Students are supervised and evaluated jointly

by a biology faculty member and an on-site supervisor. (Only three semester hours may count toward biology degree requirement.)

Credit Hours: 1 To 12

Additional Restrictions/Requirements: Junior or senior standing and major, minimum overall average of 2.00 and consent of instructor.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

BIO 499 - Honors Work in Biology

Independent study for honor students.

Credit Hours: 2 To 3

Additional Restrictions/Requirements: Junior or senior standing.
University Studies: Explorations Beyond the

Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6

EVS 400 - Wildlife Management

Introductory principals of wildlife management spanning management perspectives, managing landscapes for wildlife, and managing wildlife populations.

Credit Hours: 3

Prerequisite Courses: EVS 195, BIO 366.
Course Repeatability: Course may not be repeated.

EVS 440 - Wildlife Field Methods for Conservation

A hands-on course in the tools and techniques of wildlife field methods. Focusing on amphibians, reptiles, birds, and mammals, students learn basic applied wildlife methods employed by conservation and management agencies. Additional Course Fees: Student Blanket Professional Liability Insurance.

Credit Hours: 4

Corequisite Courses: EVS 195, and STT 215 or GGY 222, or permission of instructor.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 8 **Repeat Limit:** 1

No more than 10 hours from BIO 480, BIO 491, BIO 498, and BIO 499 can be counted towards the elective 16 hours

In addition, students must take at least 1course from the following (3 hours)

EVS 195 - Introduction to Environmental Sciences

Interdisciplinary introduction to the scope and application of environmental sciences. Emphasis on integrated analysis of environmental principles and discussions centering on current environmental problems. The lab for this course is EVSL 195.

Credit Hours: 3

Additional Restrictions/Requirements: EVS 195 and EVSL 195 may be taken in different semesters.
University Studies: Approaches and

Perspectives/Scientific Approaches to the Natural World, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

EVS 330 - Natural Resource Economics

Economic principles developed and applied to evaluate public and private decisions involving the use and allocation of natural resources. Optimal control theory developed and applied to the management of natural resources. Attention to specific resource management areas such as forests and fisheries. Feasibility of alternatives for public policy.

Credit Hours: 3

Prerequisite Courses: ECN 125 or ECN 221
Crosslisting: ECN 330
Course Repeatability: Course may not be repeated.

EVS 360 - Human Dimensions of Natural Resource Management

Examines the interrelationships between the biological sciences, physical sciences, and social sciences within

the human dimensions of natural resource management framework in the context of current environmental issues. Uses contemporary management processes to solve real-world environmental problems.

Credit Hours: 3

Prerequisite Courses: EVS 195
University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors, Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.

EVS 364 - Natural Resource Policy

Existing natural resource laws, institutions and programs are summarized in their historical context and in relation to current natural resource issues. Philosophical underpinnings of policy positions are examined and discussed. Models of policy creation, implementation, and reform, with specific examples focusing on natural resource management.

Credit Hours: 3

Prerequisite Courses: EVS 195 or permission of instructor.
Additional Restrictions/Requirements: Junior or senior standing, or permission of instructor.
Course Repeatability: Course may not be repeated.

Total Credit Hours: 73-74

Business Administration, B.S.

None

Degree Programs and Requirements

The B.S. in Business Administration degree is offered with concentrations in fifteen areas:

Accountancy	Information Systems
Business Analytics	International Business
Cybersecurity	Management and Leadership
Economics	Marketing- Marketing Strategy

Entrepreneurship and Business Development	Marketing - Professional Selling
Finance	Real Estate
FinTech	Supply Chain Management
Human Resource Management	

Requirements for Admission

Students who apply for and are admitted into the Cameron School of Business are initially classified as Pre-Business or Pre-Economics majors. To declare Pre-Business or Pre-Economics, students must have earned a minimum overall grade point average of 2.50 and completed MAT 150 Basic Precalculus, or MAT 160 Precalculus: Algebra & Trigonometry, or earned sufficient placement score for MAT 151 Basic Calculus.

To be formally admitted to the Bachelor of Science in Business Administration program in the Cameron School of Business, a student must meet each of the following admission requirements:

1. Completion of at least 30 credit hours.
2. Completion of each of the following courses with at least a "C-": ENG 101, ENG 201, (ENG 103 may be substituted for ENG 101 and ENG 201; MAT 151 or MAT 161; MIS 213, BAN 280; ACG 201, ACGL 201; ECN 221, and ECN 222.
3. Completion of a minimum of 12 credit hours at UNCW in the Cameron School of Business (may include courses listed in #2 above).
4. An overall grade point average of at least 2.70 on a 4.00 scale for all course work attempted at UNCW.
5. Completion of the Cameron School of Business admission application.

Oral Communication Requirement:

To satisfy the oral communication requirement for the B.S. degree in Business Administration a student must successfully complete MGT 455.

Requirements for the B.S. Degree in Business Administration:

Students may qualify for the B.S. degree by:

1. Successful completion of requirements as stated under University Regulations of this catalogue;

2. Attaining a minimum grade point average of 2.00 on all courses attempted in the Cameron School of Business;
3. Successful completion of the courses designated for the degree program. At least 50 percent of the business credit hours required for the degree program must be taken at UNCW.

a. Completion of a University Studies Program as defined in this catalogue. Students seeking the B.S. degree must include MAT 151 (or the equivalent) and ECN 221 - ECN 222 in their university studies program under categories (E.2) and (F), respectively.

b. Cameron School ACG 203; BAN 280; BLA 361; BUS 206, ENG 206; FIN 335; INB 300; MGT 350; MGT 455; MIS 213; MKT 340; SCM 370.

c. Concentration Courses (21 semester hours): Each candidate for the B.S. degree must complete one of the groups of courses shown below for a concentration. No more than 9 credit hours of required and elective concentration courses may be taken before being admitted to the CSB. A minimum of 12 hours of coursework in the concentration must be taken at UNCW.

d. Elective Courses: completion of elective courses sufficient to complete a minimum of 120 semester hours of course credit. Electives are to be chosen by the student after consulting with an advisor.

4. Students seeking the B.S. degree in Business Administration must earn a minimum grade point average of 2.00 in all business and concentration courses attempted in the Cameron School of Business. No grade below a "C-" will be accepted towards graduation in a student's concentration or business school core course in that same concentration.

5. Students who wish to complete two business concentrations may simultaneously apply up to 6 credit hours of course work towards both concentrations if the course work is approved in both concentrations. However, students must complete a minimum of 15 semester hours of course work in each concentration, in addition to the business core courses.

Concentrations

Accountancy

Take the following six courses:

ACG 301 - External Financial Reporting I

Analysis of traditional financial accounting topics and theory. Examines recent developments in accounting measurement and promulgations of the leading professional accounting organizations. ACG 301 emphasizes the development of accounting standards and theory, financial statements, and current assets.

Credit Hours: 3

Prerequisite Courses: ACG 201 with a minimum grade of 'C' and ACG 203 with a minimum grade of 'C'.
Course Repeatability: Course may not be repeated.

ACG 302 - External Financial Report II

Analysis of traditional financial accounting topics and theory. Examines recent developments in accounting measurement and promulgations of the leading professional accounting organizations. Emphasizes plant assets, long term investments, liabilities, and stockholders' equity.

Credit Hours: 3

Prerequisite Courses: ACG 301 with a minimum grade of C
Additional Restrictions/Requirements: Prerequisite course and admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.

ACG 305 - Advanced Managerial Accounting

Identifying, capturing, developing, and reporting financial and other information to support strategic planning and decision making, short run management

decisions, and management control of enterprise programs and activities. Specific topics include: strategic cost analysis, activity-based management, profit planning and budgeting, short run decision structures, and management systems for strategic and operational control.

Credit Hours: 3

Prerequisite Courses: ACG 201 and ACG 203.
Additional Restrictions/Requirements: Prerequisite courses and admission to Cameron School of Business. Grades of C or better in prerequisite courses.
Course Repeatability: Course may not be repeated.
Major Restriction Business Administration

ACG 306 - Accounting Information Systems

An introduction to the aggregation of data in an accounting information system with an emphasis on documentation, internal controls, and transaction cycles. Laboratory projects include advanced spreadsheet functions, an accounting software package and a database package.

Credit Hours: 3

Prerequisite Courses: ACG 201 with a minimum grade of 'C' and ACG 203 with a minimum grade of 'C'. Prerequisite or corequisite: ACG 301.
Course Repeatability: Course may not be repeated.

ACG 404 - Federal Income Taxes

The study of federal income taxation of individuals with emphasis on business income and expense items and property transactions.

Credit Hours: 3

Prerequisite Courses: ACG 301 with a grade of C or better.
Additional Restrictions/Requirements: Prerequisite course and admission to Cameron School of Business, or prerequisite course for students in the Accountancy and Business Law minor, or consent of department chair. Grade of C in ACG 301 .
Course Repeatability: Course may not be repeated.

ACG 406 - Auditing Concepts

Study of the objectives, standards, procedures and reporting requirements associated with a public accountant's role in auditing financial statements, auditing internal controls over financial reporting and performing assurance engagements. Students will learn how to make client acceptance decisions, plan and conduct audits and generate appropriate report(s) in light of competitive, legal and ethical constraints.

Credit Hours: 3

Prerequisite Courses: ACG 301 with a minimum grade of C and ACG 306 with a minimum grade of C.
Additional Restrictions/Requirements: Prerequisite courses and admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.

Plus one course from:

ACG 445 - Current Topics in Accounting

This course is a capstone course integrating concepts from the accounting curriculum, including current topics in the area of ethics and accounting fraud. The course emphasizes case studies, as well as oral and written

communication projects.

Credit Hours: 3

Prerequisite Courses: ACG 306 with a minimum grade of C
Additional Restrictions/Requirements: Prerequisite course and admission to Cameron School of Business.
University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

ACG 450 - Introduction to Forensic Accounting and Fraud Examination

ACG 450 is an introduction to different types of occupational frauds, the psychology of the fraudster, different fraud detection and prevention techniques, and the role of ethics in fraud deterrence. Students will also learn techniques and technologies for fraud detection and forensic analysis.

Credit Hours: 3

Prerequisite Courses: ACG 306 with a grade of C or

better.
Additional Restrictions/Requirements: Admission to the Cameron School of Business.
University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.
Major Restriction Business Administration

Total: 21 semester hours

Additional Information:

Students planning to write the CPA examination are advised that most states require 150 semester hours of college-level coursework to be licensed to practice as a Certified Public Accountant. Students with a bachelor's degree, who have not completed the 150 semester hours required for licensure, may sit for the CPA Exam in North Carolina if they have completed at least 30 semester hours of undergraduate accounting coursework (or 20 hours at the graduate level). It is recommended that students wishing to sit for the exam under North Carolina law complete UNCW's MSA program. Students must complete the Cameron School of Business Assurance of Learning assessments prior to graduation.

Business Analytics

Take the following five courses:

BAN 304 - BAN 304 - Analytics Essentials - Canel

An analytics professional/practitioner is expected to be well-versed in modern analytics tools and techniques. In this course, students will gain competence in and exposure to relevant analytics software tools. The course presents software tools in the context of real-world datasets and problems.

Credit Hours: 3

Prerequisite Courses: MAT 111 or MAT 150
Course Repeatability: Course may not be repeated.

BAN 305 - Introduction to Business Analytics

Application of statistical methods to business problems; topics include chi-square analysis, the F distribution, one-way and two-way analysis of variance, simple and multiple regression analysis, and introduction to

forecasting with regression models; use of computer programs in solving statistical problems.

Credit Hours: 3

Prerequisite Courses: BAN 280.
Course Repeatability: Course may not be repeated.

BAN 306 - Communicating Data with Storytelling

This course provides an introduction as well as hands-on experience in descriptive analytics and data visualization. It introduces students to principles for creating meaningful analysis and displays of quantitative and qualitative data to facilitate managerial decision-making.

Credit Hours: 3

Prerequisite Courses: MATH 111 or MATH 150 or MATH 160
Additional Restrictions/Requirements: Admission to Cameron School of Business or declared BS

Information Technology major
University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.
Major Restriction BS Business Administration or BS Information Technology

BAN 402 - Predictive Analytics

Leveraging data to add value to business is of critical importance in our modern society. This course will focus on the analysis of data in order to create predictions and will examine a variety of predictive techniques to extract information from data. These topics will include: multiple linear regression, logistic regression, classification, clustering, text mining, neural networks, and others. This course will also discuss the challenges presented by large datasets and describe techniques such as data cleaning and visualization.

Credit Hours: 3

Prerequisite or Corequisite Courses: BAN 305.
Prerequisite Courses: BAN 304.

Additional Restrictions/Requirements: Admission to Cameron School of Business and student in the BAN minor.
Course Repeatability: Course may not be repeated.
Major Restriction Information Technology (IT)**Minor Restriction** Business Analytics (BAN)

BAN 403 - Optimizing Data-driven Decisions

Prescriptive Analytics deals with developing analytical models to solve business problems. Prescriptive models are used when a business needs to optimize operational decisions. The solution from these models provide the best solution (profit maximization, cost minimization, minimization of resource utilization, etc.) to the operational decision problems. Students will use MS Excel and AMPL as software tools for optimization in this course.

Credit Hours: 3

Prerequisite Courses: BAN 304.
Additional Restrictions/Requirements: Admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.

Plus two courses from:

(one of which must have a BAN, MIS, or SCM prefix):

BAN 309 - Health Care Analytics

This course develops an understanding of analytics in the healthcare field. Emphasis is given to how technology and analytics impact healthcare. Analytical tools are used to solve real healthcare challenges, improve processes, and help make important healthcare business decisions.

Credit Hours: 3

Prerequisite Courses: BAN 280.
Course Repeatability: Course may not be repeated.

BAN 310 - Sports Analytics

This course introduces fundamental analytics concepts in the context of sports. A variety of sports, professional and amateur, are covered with an emphasis on using analytics techniques and tools to add value and fuel competitive advantage. Software tools will be used extensively to illustrate concepts.

Credit Hours: 3

Prerequisite Courses: BAN 280 or STT 215
Additional Restrictions/Requirements: Admission to Cameron School of Business or declared BS Information Technology major
Course Repeatability: Course may not be repeated.
Major Restriction BS Business Administration or BS Information Technology

BAN 400 - Big Data Analytics

Acquisition, management, and analysis of large sets of data that are often encountered in a business environment. Focuses on challenges specific to analysis of data at scale. Real-world applications and case studies are examined.

Credit Hours: 3

Prerequisite or Corequisite Courses: BAN 304
Additional Restrictions/Requirements: Admission to Cameron School of Business or declared BS Information Technology major

Course Repeatability: Course may not be repeated.
Major Restriction BS Business Administration or BS Information Technology

BAN 416 - Transportation Analytics

This course develops skills for solving complex business problems with the aid of data analytical techniques in the transportation field. Students will develop business analysis frameworks and apply Excel-based optimization tools to assess transportation solutions.

Credit Hours: 3

Prerequisite Courses: Prerequisite: SCM 370 and admission to the Cameron School of Business.
Course Repeatability: Course may not be repeated.

BAN 417 - Supply Chain Analytics

This course introduces students to quantitative models the firms use to manage supply and demand. Managing supply and demand involves managing customer preferences, classify suppliers and customers, optimize product pricing, and promotion

strategies. The applications of the above models in the hospitality industry, broadcasting, show business are discussed.

Credit Hours: 3

Prerequisite Courses: SCM 370
Additional Restrictions/Requirements: Admission to Cameron School of Business or declared BS Information Technology major
Course Repeatability: Course may not be repeated.
Major Restriction BS Business Administration or BS Information Technology

BAN 480 - Business and Economic Forecasting

Development of an approach to forecasting through the study of time-series techniques including moving averages, exponential smoothing, regression, and Box-Jenkins.

Credit Hours: 3

Prerequisite Courses: BAN 280
Additional Restrictions/Requirements: Prerequisite

course or consent of department chair and admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.

BAN 485 - Introduction to Business Simulation

Introduction to simulation models as tools in the analysis of business problems. Discrete event simulation models for production and service systems are introduced through the use of a computer simulation language.

Credit Hours: 3

Prerequisite Courses: SCM 370
Additional Restrictions/Requirements: Prerequisite course and admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.

BAN 495 - Seminar in Business Analytics

This course may be repeated under a different subtitle.

Credit Hours: 1 To 3

Additional Restrictions/Requirements: Junior or

senior standing and consent of the department chairperson and admission to Cameron School of Business.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6

BAN 498 - Internship in Business Analytics

Involves the application of business analytic skills developed in the academic environment to problems in a real-world operating environment. The participant will receive practical training and experience under the guidance of the staff of a local business or government organization and a faculty supervisor. Available internships are filled on a competitive basis.

Credit Hours: 1 To 6

Additional Restrictions/Requirements: Consent of faculty supervisor and admission to Cameron School of Business.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6

Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

ECN 477 - Advanced Econometrics and Research Methods

An introduction to the formalization of economic hypotheses into testable relationships and the application of appropriate statistical techniques. Theoretical aspects are covered, but primary emphasis is on computer application utilizing regression analysis.

Credit Hours: 3

Prerequisite Courses: ECN 222 and (BAN 280 or STT 215) and ECN 377.
Additional Restrictions/Requirements: Prerequisite courses and either admission to Cameron School of Business or declared minor in Economics.
University Studies: Building Competencies/Writing Intensive, Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

FIN 441 - Financial Analytics

Adoption of big data techniques in large US business soared from 17% in 2015 to 59% in 2018, according to a recent article in the Forbes magazine. Building on this motivation, this course will be designed to introduce statistical and machine learning methods developed in the recent literature and discuss their applications in financial markets as well as industries such as banking and insurance. We start from basic regression analysis and build on to discuss advanced methods such as decision tree and neural networks. Throughout the course, the emphasis will be on practical uses rather than statistical details; however, a fair amount of background information on the fundamentals of the methods used will still be provided.

Credit Hours: 3

Prerequisite Courses: FIN 335.
Additional Restrictions/Requirements: Prerequisite course and admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.
Additional Course Fees: None

MGT 353 - People Analytics

This course will prepare students to create and properly analyze existing scales pertaining to workplace performance, training, engagement, employee satisfaction, turnover intentions and other outcomes from the field of talent acquisition, management, and development.

Credit Hours: 3

Prerequisite or Corequisite Courses: MGT 356
Prerequisite Courses: MGT 350
Additional Restrictions/Requirements: BS Business Administration and Admission to Cameron School of Business
Course Repeatability: Course may not be repeated.
Major Restriction BS Business Administration

MIS 303 - Programming for Analytics

This course introduces the essential general programming concepts and techniques for data analytics. Students will learn programming foundations, application development, and how to integrate applications with business operations. The course covers hands-on issues in programming for analytics,

which includes accessing data, manipulating data objects, analyzing data using common statistical methods, generating reproducible statistical reports, and creating informative visualizations.

Credit Hours: 3

Prerequisite Courses: MIS 213 or CIT 110
Additional Restrictions/Requirements: Admission to Cameron School of Business or declared BS Information Technology major.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3
Major Restriction BS Business Administration or BS Information Technology

MIS 305 - Data Visualization

This course provides design principles for creating displays of quantitative and qualitative data to facilitate managerial decision-making. The use of popular and powerful data visualization and dashboarding software tools is emphasized.

Credit Hours: 3

Prerequisite Courses: BAN 305
Additional Restrictions/Requirements: Admission to Cameron School of Business or declared BS Information Technology major.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3
Major Restriction BS Business Administration or BS Information Technology

MIS 306 - Text Data Analytics

The past decade has witnessed an explosion of digital text-based data produced by social media platforms, websites, emails, and the digitization of historical archives. These new data sources hold enormous potential to address a range of problems in various fields. Quantitative text analytics techniques allow us to derive insights from these data. This course explores methods for pre-processing, analyzing, and visualizing text-based data. Students will use current software tools to perform data analytics.

Credit Hours: 3

Prerequisite Courses: BAN 280 or STT 215
Additional Restrictions/Requirements: Admission to Cameron School of Business or declared BS Information Technology major.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3
Major Restriction BS Business Administration or BS Information Technology

MIS 315 - Management of Database Systems

Study of the design and administration of database systems in a business environment. The relational model is used along with database management software to facilitate the communication and distribution of data and its conversion into information, with an emphasis on sound design principles. Topics include entity-relationship modeling, normalization, and the structured query language (SQL).

Credit Hours: 3

Prerequisite Courses: MIS 213 or CIT 213
Course Repeatability: Course may not be repeated.

MKT 444 - Digital Marketing Analytics

Focus of the class will be on learning digital marketing skills and applying them to create effective marketing strategies. Emphasis is on project-oriented assignments with an application to real-world scenarios. Offers insight into a variety of digital promotional channels, such as search engine optimization (SEM), search engine marketing (SEM), mobile marketing, and social media marketing, as well as the analytics of their effectiveness.

Credit Hours: 3

Prerequisite or Corequisite Courses: MKT 343
Additional Restrictions/Requirements: Prerequisite or co-requisite course and admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SCM 475 - Advanced Supply Chain Management

This course provides a detailed analysis of the materials planning and execution systems used to manage the flow of material in service and manufacturing organizations to facilitate all stages of the supply chain. Topics include systems for demand management and forecasting techniques, inventory control systems for distribution channels, materials and capacity requirements planning systems, scheduling and order dispatching systems.

Credit Hours: 3

Prerequisite Courses: SCM 370
Additional Restrictions/Requirements: Admission to Cameron School of Business
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3
Major Restriction BS Business Administration

SCM 477 - Operations Planning and Scheduling

Application of scheduling in manufacturing and service organizations. Topics include machine scheduling, job shop scheduling, project scheduling, flexible assembly system scheduling, lot sizing and scheduling, interval

scheduling, and personnel scheduling.

Credit Hours: 3

Prerequisite Courses: SCM 370
Additional Restrictions/Requirements: Prerequisite course and admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SCM 478 - Supply Chain Modeling and Analysis

This course is designed to provide students with the conceptual tools to understand the structure and dynamics of complex systems by integrating performance measurement and modeling simulation methodologies. It provides the students with the solid understanding needed to effectively apply strategic management tools and techniques for increased performance and competitive advantage in businesses. Ultimately, it will prepare them to become effective systems analysts in the field.

Credit Hours: 3

Prerequisite Courses: SCM 370
Additional Restrictions/Requirements: Prerequisite course and admission to CSB.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

Total: 21 semester hours

Cybersecurity

Take the following four courses:

CYBR 201 - Fundamentals of Cybersecurity

Introduction to fundamental cybersecurity concepts. Exploration of the basic security design principles needed to create systems worthy of trust. Introduction to IT system components and their roles in system operation. Consideration of the processes and regulations associated with operational analysis and evaluation, including approval authorities and processes.

Credit Hours: 3

University Studies: Building

Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

CYBR - 202 - Cyber Policy, Legal, Ethics, Compliance
CYBR - 307 - Essential Technical Cybersecurity for Business

MIS 320 - Network Fundamentals

Introduction to the OSI model, network topologies, IP addressing and subnet masks, simple routing techniques, and basic switching terminology. Topics include the basic functions of the seven layers of the OSI model, different classes of IP addressing and subnetting, router login scripts.

Credit Hours: 3

Prerequisite or Corequisite Courses: CIT 110 or CYBR 201 or MIS 213
Additional Restrictions/Requirements: Admission to Cameron School of Business or declared BS Cybersecurity major or declared BS Information Technology major or declared Cybersecurity minor
Course Repeatability: Course may not be repeated.

Maximum Repeatable Hours: 3
Major Restriction BS Business Administration or BS Cybersecurity or BS Information Technology**Minor Restriction** Cybersecurity Minor

Plus three courses from:

CIT - 301 - Cloud Computing and Virtualization
CYBR - 322 - Information Assurance
CYBR - 324 - Network Security
CYBR - 340 - Cybersecurity Program Management
CYBR - 365 - Ethical Hacking
CYBR - 366 - Digital Forensics
CYBR - 437 - Supply Chain Cybersecurity
CYBR - 440 - Cyber Risk
CYBR - 444 - Cyber Law and Cases
CYBR - 491 - Directed Individual Study
CYBR - 495 - Seminar in Cybersecurity
CYBR - 498 - Internship
CYBR - 499 - Honors Work in Cybersecurity
MIS - 352 - Windows System Administration

CYBR 435 - Cyber Fraud and Investigation

Investigation of cyber fraud, and the study of plans and processes for a holistic approach to preventing and

mitigating fraud throughout the system lifecycle. Specific attention paid to financial fraud and the application of forensics techniques to respond to and investigate financial incidents.

Credit Hours: 3

Prerequisite Courses: ACG 201, FIN 335, CYBR 202, and (STT 215 or BAN 280).
Course Repeatability: Course may not be repeated.

Total: 21 semester hours

Additional Information:

Students pursuing this concentration cannot also pursue a Cybersecurity Minor.

Economics

Take the following five courses:

ECN 321 - Intermediate Microeconomics

A theoretical analysis of individual consumer and firm behavior and general equilibrium.

Credit Hours: 3

Prerequisite Courses: (MAT 151 or MAT 161) and ECN 222.
Additional Restrictions/Requirements: Prerequisite courses and either admission to Cameron School of Business or declared minor in economics.
Course Repeatability: Course may not be repeated.

ECN 322 - Intermediate Macroeconomics

A theoretical analysis of the determination of aggregate income, aggregate employment, and the average price level and role of monetary and fiscal policy in the macroeconomy.

Credit Hours: 3

Prerequisite Courses: EDN 301
Additional Restrictions/Requirements: Prerequisite course and completion of 6 semester hours of appropriate mathematics or statistics at the 101 level or higher, with minimum grade of C-.
Course Repeatability: Course may not be repeated.

ECN 324 - Financial Markets and Institutions

An introduction to the financial and economic environment within which a firm must operate. Analysis of the sources and the cost and availability of funds in a domestic and international setting; analysis of international monetary flows; financial decision making in an integrated world economy.

Credit Hours: 3

Prerequisite Courses: ECN 222
Crosslisting: FIN 324
Course Repeatability: Course may not be repeated.

or

ECN 328 - Public Finance

Study of state, local, and federal government revenue and expenditures; theory of taxation, tax shifting and incidence; theory of public goods, fiscal neutrality and government regulation; methods of achieving efficiency in government benefit-cost analysis, program budgeting (PPB), and pricing of government services.

Credit Hours: 3

Prerequisite Courses: ECN 222.
Additional Restrictions/Requirements: Prerequisite courses and either admission to Cameron School of Business or declared minor in economics
University Studies: Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.

ECN 377 - Introduction to Econometrics and Data Analytics

Introduction to applied estimation, testing and interpretation of economic models useful for business and policy decision-making. Emphasis on applied, client-driven model formulation, data acquisition and manipulation, and model estimation using statistical regression in a desktop computing environment. Extensive practice in interpretation of results for business and policy audiences.

Credit Hours: 3

Prerequisite Courses: ECN 222 and (MAT 151 or MAT 161) and (BAN 280 or STT 215).
Additional Restrictions/Requirements: Prerequisite

courses and either admission to Cameron School of Business or declared minor in economics.
Course Repeatability: Course may not be repeated.

ECN 428 - Applied Regional Analysis

Theoretical and applied analysis of patterns and trends in local, state, and regional economic growth. Use of current computer-based methods in regional economic analysis including economic impact models. Applied analysis of current regional issues and government policies to address these issues.

Credit Hours: 3

Prerequisite Courses: ECN 222.
Additional Restrictions/Requirements: Prerequisite courses and either admission to Cameron School of Business or declared minor in economics.
University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

ECN 429 - Economics of Growth and Development

Economic principles are developed and applied to evaluate theories of economic growth and development in an international context. Major topics include: Measuring growth, theory of economic growth, the economics of poverty, agricultural issues, health, nutrition, productivity, gender bias, education, and technological change; government failures, migration and population growth, theories of income distribution, human capital theory, social capital theory, the effect of geography on growth, and sustainable development.

Credit Hours: 3

Prerequisite Courses: ECN 222.
Additional Restrictions/Requirements: Prerequisite courses and either admission to Cameron School of Business or declared minor in economics.
University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

ECN 477 - Advanced Econometrics and Research Methods

An introduction to the formalization of economic hypotheses into testable relationships and the application of appropriate statistical techniques. Theoretical aspects are covered, but primary emphasis is on computer application utilizing regression analysis.

Credit Hours: 3

Prerequisite Courses: ECN 222 and (BAN 280 or STT 215) and ECN 377.
Additional Restrictions/Requirements: Prerequisite courses and either admission to Cameron School of Business or declared minor in Economics.
University Studies: Building Competencies/Writing Intensive, Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

Plus two courses from:

(one of which must be numbered above 399):

ECN 324 - Financial Markets and Institutions

An introduction to the financial and economic environment within which a firm must operate. Analysis of the sources and the cost and availability of funds in a

domestic and international setting; analysis of international monetary flows; financial decision making in an integrated world economy.

Credit Hours: 3

Prerequisite Courses: ECN 222
Crosslisting: FIN 324
Course Repeatability: Course may not be repeated.

ECN 325 - Environmental Economics

Application of basic economics principles is used to help understand environmental problems and evaluate alternative solutions. Economic principles will be employed to analyze fundamental environmental issues such as property rights, externalities, conservation, and public goods. Public policy issues such as environment protection, natural resource damage assessment, and pollution control will be evaluated from an economic perspective. Specific focus will be given to methods for non-market valuation.

Credit Hours: 3

Prerequisite Courses: ECN 125 or ECN 221
Crosslisting: EVS 325
Course Repeatability: Course may not be repeated.

ECN 326 - Comparative Economic Systems

Analysis of economic systems operating under capitalism, socialism, communism, and fascism; institutions and organization of production and government; decision-making; distribution of income; problems of developing nations.

Credit Hours: 3

Prerequisite Courses: ECN 125 or ECN 222.
Additional Restrictions/Requirements: Prerequisite courses and either admission to Cameron School of Business or declared minor in economics.
University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

ECN 327 - Health Economics

Analysis of health-care delivery using economic reasoning. Specific topics include the demand for

health, medical care, and insurance; socio-economic patterns in health-related behaviors and outcomes; physician and hospital services; private and public financing of care; regulation of the health-care marketplace; and medical innovation.

Credit Hours: 3

Prerequisite Courses: ECN 125 or ECN 221
Course Repeatability: Course may not be repeated.

ECN 328 - Public Finance

Study of state, local, and federal government revenue and expenditures; theory of taxation, tax shifting and incidence; theory of public goods, fiscal neutrality and government regulation; methods of achieving efficiency in government benefit-cost analysis, program budgeting (PPB), and pricing of government services.

Credit Hours: 3

Prerequisite Courses: ECN 222.
Additional Restrictions/Requirements: Prerequisite courses and either admission to Cameron School of

Business or declared minor in economics
University Studies: Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.

ECN 330 - Natural Resource Economics

Economic principles are developed and applied to evaluate public and private decisions involving the use and allocation of natural resources. Optimal control theory is developed and applied to the management of natural resources. Attention is given to specific resources management areas such as forests and fisheries. The feasibility of alternatives for public policy is evaluated.

Credit Hours: 3

Prerequisite Courses: ECN 125 or ECN 221
Crosslisting: EVS 330
Course Repeatability: Course may not be repeated.

ECN 421 - History of Economic Thought

Scientific economic thought and philosophy from ancient to modern times. Open-ended as to dates of

time period covered. Primary emphasis is on topics as opposed to schools of thought.

Credit Hours: 3

Prerequisite Courses: ECN 222.
Additional Restrictions/Requirements: Prerequisite courses and either admission to Cameron School of Business or declared minor in economics
Course Repeatability: Course may not be repeated.

ECN 426 - International Trade and Finance

A consideration of international trade theory and international financial institutions, including comparative advantage, exchange rates and balance of payments problems.

Credit Hours: 3

Prerequisite Courses: ECN 222 and INB 300.
Additional Restrictions/Requirements: Prerequisite courses and either admission to Cameron School of Business or declared minor in economics.

Crosslisting: INB 426.
Course Repeatability: Course may not be repeated.

ECN 427 - Labor Economics

An analysis of the demand for and the supply of labor at the individual and the aggregate level; labor unions and collective bargaining.

Credit Hours: 3

Prerequisite Courses: ECN 222.
Additional Restrictions/Requirements: Prerequisite courses and either admission to Cameron School of Business or declared minor in economics.
Course Repeatability: Course may not be repeated.

ECN 428 - Applied Regional Analysis

Theoretical and applied analysis of patterns and trends in local, state, and regional economic growth. Use of current computer-based methods in regional economic analysis including economic impact models. Applied analysis of current regional issues and government policies to address these issues.

Credit Hours: 3

Prerequisite Courses: ECN 222.
Additional Restrictions/Requirements: Prerequisite courses and either admission to Cameron School of Business or declared minor in economics.
University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

ECN 429 - Economics of Growth and Development

Economic principles are developed and applied to evaluate theories of economic growth and development in an international context. Major topics include: Measuring growth, theory of economic growth, the economics of poverty, agricultural issues, health, nutrition, productivity, gender bias, education, and technological change; government failures, migration and population growth, theories of income distribution, human capital theory, social capital theory, the effect of geography on growth, and sustainable development.

Credit Hours: 3

Prerequisite Courses: ECN 222.
Additional Restrictions/Requirements: Prerequisite courses and either admission to Cameron School of Business or declared minor in economics.
University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

ECN 432 - Advanced Open Economy Macroeconomics

Analysis of forces that determine output, employment, inflation, wages, and interest rates in an open-economy setting. Topics include the challenges faced by policymakers, the role of exchange rates in the macroeconomic adjustment process, guidelines for monetary policy, and interactions between the macro economy and the financial system. Special emphasis on using high frequency macroeconomic data - such as employment, retail sales, housing, and CPI releases - to assess economic trends and present research on important policy issues. This course satisfies the oral competency requirement for the B.A. degree in Economics.

Credit Hours: 3

Prerequisite Courses: ECN 322
Additional Restrictions/Requirements: Prerequisite course and admission to the Cameron School of Business.
Course Repeatability: Course may not be repeated.

ECN 433 - Introduction to Speculative Markets

Elementary economics of financial futures and options markets. Mechanics of trading and coverage of existing regulations. Pricing and strategies in options and futures contracts in the markets for financial assets and commodities. Hedging, risk management and valuation.

Credit Hours: 3

Prerequisite Courses: ECN 324 and FIN 335
Additional Restrictions/Requirements: Prerequisite courses or consent of department chair and admission to Cameron School of Business.
Crosslisting: FIN 433
Course Repeatability: Course may not be repeated.

ECN 477 - Advanced Econometrics and Research Methods

An introduction to the formalization of economic hypotheses into testable relationships and the application of appropriate statistical techniques. Theoretical aspects are covered, but primary emphasis is on computer application utilizing regression analysis.

Credit Hours: 3

Prerequisite Courses: ECN 222 and (BAN 280 or STT 215) and ECN 377.
Additional Restrictions/Requirements: Prerequisite courses and either admission to Cameron School of Business or declared minor in Economics.
University Studies: Building Competencies/Writing Intensive, Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

ECN 495 - Seminar in Economics

This course may be repeated under a different subtitle.

Credit Hours: 1 To 3

Additional Restrictions/Requirements: Junior or senior standing and consent of the department chairperson and admission to Cameron School of Business.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

BAN 400 - Big Data Analytics

Acquisition, management, and analysis of large sets of data that are often encountered in a business environment. Focuses on challenges specific to analysis of data at scale. Real-world applications and case studies are examined.

Credit Hours: 3

Prerequisite or Corequisite Courses: BAN 304
Additional Restrictions/Requirements: Admission to Cameron School of Business or declared BS Information Technology major
Course Repeatability: Course may not be repeated.
Major Restriction BS Business Administration or BS Information Technology

BAN 402 - Predictive Analytics

Leveraging data to add value to business is of critical importance in our modern society. This course will focus on the analysis of data in order to create predictions and will examine a variety of predictive techniques to extract information from data. These topics will include: multiple linear regression, logistic regression, classification, clustering, text mining, neural networks, and others. This course will also discuss the challenges presented by large datasets and describe techniques such as data cleaning and visualization.

Credit Hours: 3

Prerequisite or Corequisite Courses: BAN 305.
Prerequisite Courses: BAN 304.
Additional Restrictions/Requirements: Admission to Cameron School of Business and student in the BAN minor.
Course Repeatability: Course may not be repeated.
Major Restriction Information Technology (IT)**Minor Restriction** Business Analytics (BAN)

FIN 431 - Real Estate Investment Analysis

The decision-making process in real estate investment analysis including risk and return, financing alternatives, tax implications, and pricing and development alternatives.

Credit Hours: 3

Prerequisite Courses: FIN 335.
Additional Restrictions/Requirements: Prerequisite course and admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.

FIN 440 - Portfolio Design and Management

Students develop skills to analyze individual securities and then focus on investment portfolio design. These skills will ultimately be applied to UNCW's real-dollar student-managed investment fund.

Credit Hours: 3

Prerequisite Courses: FIN 330 and FIN 336
Additional Restrictions/Requirements: BS Business Administration, and admission to the Cameron School

of Business, and a B- or better in FIN 330 and FIN 336.
Course Repeatability: Course may not be repeated.
Major Restriction BS Business Administration

FIN 441 - Financial Analytics

Adoption of big data techniques in large US business soared from 17% in 2015 to 59% in 2018, according to a recent article in the Forbes magazine. Building on this motivation, this course will be designed to introduce statistical and machine learning methods developed in the recent literature and discuss their applications in financial markets as well as industries such as banking and insurance. We start from basic regression analysis and build on to discuss advanced methods such as decision tree and neural networks. Throughout the course, the emphasis will be on practical uses rather than statistical details; however, a fair amount of background information on the fundamentals of the methods used will still be provided.

Credit Hours: 3

Prerequisite Courses: FIN 335.
Additional Restrictions/Requirements: Prerequisite

course and admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.
Additional Course Fees: None

MKT 440 - Marketing Analytics

Focuses on the role of evidence-based data in decision-making and how to leverage data as a strategic asset. Emphasis on the predictive potential of data by translating vast amounts of complex data into manageable information in order to make sound decisions. The effective use of marketing metrics offers insights into customer preferences and trends and allows for the detection of patterns, the making of new associations, and the acquisition of a deeper understanding of customers.

Credit Hours: 3

Prerequisite or Corequisite Courses: MKT 343 with a grade of C- or better
Additional Restrictions/Requirements: BS Business Administration and Admission to Cameron School of Business

Course Repeatability: Course may not be repeated.
Major Restriction BS Business Administration

MKT 443 - Marketing Research Design

The development and utilization of the marketing research process and the components of a marketing research project for business decisions. Emphasis on the collection of qualitative and quantitative data to solve a specific business problem or identify opportunities used to develop and evaluate courses of marketing action.

Credit Hours: 3

Prerequisite or Corequisite Courses: MKT 343 with a grade of C- or better
Additional Restrictions/Requirements: BS Business Administration and Admission to Cameron School of Business
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3
Major Restriction BS Business Administration

Total: 21 semester hours

Entrepreneurship and Business Development

Take the following four courses:

EBD 380 - Entrepreneurship

Primary focus is understanding entrepreneurship as a process and phenomenon that occurs in many different contexts. The course approaches entrepreneurship as a way of thinking and acting, as an attitude and a behavior. Specific areas include entrepreneuriial competencies (e.g., opportunity assessment and recognition techniques) and career paths, venture typologies, as well as basics of business and economic modeling, financing, marketing, legal and IP issues.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ACG 203.
Course Repeatability: Course may not be repeated

EBD 480 - Managing Emerging Ventures

Examination of the strategies for successful venture growth. Emphasis is placed on the challenges

associated with maintaining a high rate of growth in relatively new firms. Particular attention directed to integrating strategic, operational and cultural issues. Students develop business plans for a new venture or business development. Extensive use of case analysis.

Credit Hours: 3

Prerequisite or Corequisite Courses: EBD 380.
Additional Restrictions/Requirements: Admission to Cameron School of Business.
University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

EBD 481 - Entrepreneurial Finance and Valuation

Focus on financial planning and analysis, sources of funding, and business valuation. Particular attention directed to debt financing, valuation theory and techniques, due diligence, angel investing, venture capital funding, and public/private offerings. Extensive use of case study.

Credit Hours: 3

Prerequisite or Corequisite Courses: EBD 380.
Prerequisite Courses: FIN 335.
Additional Restrictions/Requirements: Prerequisite courses and admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.

EBD 490 - Business Development and Commercialization

Course focuses on commercialization of an early stage firm's product, technology and ideas. Issues such as scalability,licensing, intellectual property, project management, and the managerial side of expansion and growth will be studied. The course will also examine entrepreneurial activities commonly seen in coastal regions, such as marine science technologies, aquaculture, tourism, shipping, and other related activities. Extensive use of case study and field projects.

Credit Hours: 3

Prerequisite or Corequisite Courses: EBD 380.
Additional Restrictions/Requirements: Admission to Cameron School of Business.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 3

And one of the following:

EBD 354 - Managing Innovation and Technology

Development and adoption of new technology in corporate operations. Attention directed to creating an environment that fosters continuous improvement through experimentation, innovation, and change. Topics include the nature of technology, its role in business strategy, technological forecasting, the creative process, organization and management of professional personnel, and project management techniques.

Credit Hours: 3

Additional Restrictions/Requirements: Admission to Cameron School of Business.

Crosslisting: MGT 354
Course Repeatability: Course may not be repeated.

MGT 354 - Managing Innovation and Technology

Development and adoption of new technology in corporate operations. Attention directed to creating an environment that fosters continuous improvement through experimentation, innovation, and change. Topics include the nature of technology, its role in business strategy, technological forecasting, the creative process, organization and management of professional personnel, and project management techniques.

Credit Hours: 3

Additional Restrictions/Requirements: Admission to Cameron School of Business.
Crosslisting: EBD 354
Course Repeatability: Course may not be repeated.

EBD - 393 - Corporate Entrepreneurship

MGT 356 - Human Resource Management

Evaluation of concepts and approaches used in human resource management and development. Study of manpower planning, selection procedures, performance review, compensation and benefits, equal employment/affirmative action factors, and labor relations. Emphasis is on how personnel specialists and operating managers can improve organizational performance.

Credit Hours: 3

Prerequisite Courses: Prerequisite or Corequisite: MGT 350
Additional Restrictions/Requirements: Admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.

Plus two courses from:

BLA 461 - Commercial Law

Study of the commercial legal environment in which business enterprises operate. Examines the law of contracts, sales and warranties, security interests, commercial paper, and debtor and creditor rights.

Credit Hours: 3

Additional Restrictions/Requirements: Junior or senior standing, or admission to the Cameron School of Business, or students in the Accountancy and Business Law minor, or consent of department chair.
Course Repeatability: Course may not be repeated.

EBD 354 - Managing Innovation and Technology

Development and adoption of new technology in corporate operations. Attention directed to creating an environment that fosters continuous improvement through experimentation, innovation, and change. Topics include the nature of technology, its role in business strategy, technological forecasting, the creative process, organization and management of professional personnel, and project management techniques.

Credit Hours: 3

Additional Restrictions/Requirements: Admission to Cameron School of Business.

Crosslisting: MGT 354
Course Repeatability: Course may not be repeated.

EBD - 393 - Corporate Entrepreneurship

EBD 482 - Global Entrepreneurship and Exporting

Primary focus on entrepreneurial activities within the international arena. Particular attention on the mechanisms of international entry modes, import and export management, licensing mechanisms, international financing, the impact of globalization, identifying business opportunities, risk assessment, legal and accounting implications of international activities, and international intellectual protection processes. Upon completion of this course, students will be qualified to take the Certified Global Business Professional (CGBP) exam.

Credit Hours: 3

Prerequisite Courses: INB 300
Additional Restrictions/Requirements: Prerequisite course and admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.

EBD 491 - Directed Individual Study

For further information, consult the Directed Individual Studies section in this catalogue.

Credit Hours: 1 To 3

Additional Restrictions/Requirements: Junior or senior standing, overall GPA of at least 3.00, consent of department chairman, and admission to Cameron School of Business.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

EBD 495 - Topics in Entrepreneurship and Business Development

Specific topics in entrepreneurship and business development not addressed in depth in other courses. May be repeated under a different subtitle.

Credit Hours: 1 To 3

Additional Restrictions/Requirements: Admission to

Cameron School of Business.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 3

MGT 351 - Green Business and Sustainable Enterprise

Examination of green business and sustainable enterprise from multiple perspectives. Emphasis on how organizations create a sustainable focus in their productive activities and successfully compete in the eco-friendly marketplace. Particular attention directed to regulatory trends that impact green enterprises, the development of sustainable technologies, and the management of entrepreneurial efforts in green industries.

Credit Hours: 3

Additional Restrictions/Requirements: Junior Standing
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

MGT 354 - Managing Innovation and Technology

Development and adoption of new technology in corporate operations. Attention directed to creating an environment that fosters continuous improvement through experimentation, innovation, and change. Topics include the nature of technology, its role in business strategy, technological forecasting, the creative process, organization and management of professional personnel, and project management techniques.

Credit Hours: 3

Additional Restrictions/Requirements: Admission to Cameron School of Business.
Crosslisting: EBD 354
Course Repeatability: Course may not be repeated.

MGT 355 - Ethics in Management

Every person will face a moral or ethical quandary at some juncture in a career. This course will help prepare today's graduates (future employees and managers) to think in a structured, orderly way about their obligations to their companies and to other people. Ethics experts argue students must develop the skills needed

to convincingly present their moral point of view so they may ethically represent their organizations, safeguard their careers, and protect their societies. Students will explore historical and contemporary cases in managerial ethics applying theories of ethical reasoning. Topics will relate to ethical problems in business management, moral analysis and economic outcomes, legal requirements underscoring ethical management, ethical duties of managers and business owners, and practical/legal reasons businesses should be ethical. Students will discuss how to identify unethical conduct and how to appropriately respond to it. The link between ethics and corporate culture will be reinforced.

Credit Hours: 3

Prerequisite Courses: MGT 350.
Course Repeatability: Course may not be repeated.

MGT 356 - Human Resource Management

Evaluation of concepts and approaches used in human resource management and development. Study of manpower planning, selection procedures,

performance review, compensation and benefits, equal employment/affirmative action factors, and labor relations. Emphasis is on how personnel specialists and operating managers can improve organizational performance.

Credit Hours: 3

Prerequisite Courses: Prerequisite or Corequisite: MGT 350
Additional Restrictions/Requirements: Admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.

MGT 357 - Hospitality Management

The course provides a general overview of the hospitality industry and the issues related to successful management of businesses within this industry. In particular, these sectors include food service, lodging, entertainment, medical, and other related industries such as cruise lines and supplier industries. Special attention will be given to the hospitality sector in the Carolinas, and issues related to entrepreneurship within hospitality.

Credit Hours: 3

Additional Restrictions/Requirements: Admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.

MGT 459 - Negotiation

Study of theory, research and practice in negotiation. Topics include social dilemmas, distributive bargaining, integrative agreements, multiple-party scenarios, dispute resolution, third-party interventions and ethics. Negotiation exercises provide experience in a variety of contexts.

Credit Hours: 3

Additional Restrictions/Requirements: Admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.

MKT 348 - Professional Selling

Examination of the theory and practice of sales skills designed to provide a professional foundation to

students who will be involved in professional selling careers. Includes fundamentals of professional selling with an emphasis on self-confidence, persuasive presentation of ideas and products, customer orientation, and other selling behaviors.

Credit Hours: 3

Prerequisite Courses: MKT 340
Additional Restrictions/Requirements: Prerequisite course and admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.

Total: 21 semester hours

Finance

Take the following two courses:

FIN 330 - Principles of Investments

An introduction to alternative investments, with major emphasis on financial instruments. Practical descriptive material and relevant theoretical applications. Topics include stocks, bonds, and other financial alternatives.

Credit Hours: 3

Prerequisite Courses: ACG 201 and ECN 222 and FIN 335
University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

FIN 336 - Intermediate Corporate Finance

The study of the theory and practice of corporate finance with special emphasis on the evaluation and financing of capital expenditures. Topics include cash flow determination, firm valuation, the Capital Asset Pricing Model, and an introduction to option pricing.

Credit Hours: 3

Prerequisite Courses: FIN 335
Additional Restrictions/Requirements: Prerequisite course and admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.

Plus five courses from:

(four of which must be numbered above 399, and at least three courses must have a FIN prefix):

ECN 324 - Financial Markets and Institutions

An introduction to the financial and economic environment within which a firm must operate. Analysis of the sources and the cost and availability of funds in a domestic and international setting; analysis of international monetary flows; financial decision making in an integrated world economy.

Credit Hours: 3

Prerequisite Courses: ECN 222
Crosslisting: FIN 324
Course Repeatability: Course may not be repeated.

or

FIN 324 - Financial Markets and Institutions

An introduction to the financial and economic environment within which a firm must operate. Analysis of the sources and the cost and availability of funds in a domestic and international setting; analysis of international monetary flows; financial decision making

in an integrated world economy.

Credit Hours: 3

Prerequisite Courses: ECN 222
Crosslisting: ECN 324
Course Repeatability: Course may not be repeated.

FIN 331 - Real Estate

Principles of property management and practices relating to appraisal, sales, ownership, control, financing, and transfer of real property.

Credit Hours: 3

Prerequisite Courses: ACG 201 and ECN 222
Additional Restrictions/Requirements: Prerequisite courses and admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.

FIN 332 - Risk Management and Insurance

An introduction to the risk management function and to the basic methods used to handle risks facing the

business enterprise, families and individuals. Emphasis is on the insurance method of handling risk with study of the concepts underlying insurance, the fundamentals of insurance contracts, and a broad selection of policy coverage in the property and liability, and life and health fields.

Credit Hours: 3

Prerequisite Courses: ACG 201 and ECN 222
Additional Restrictions/Requirements: Prerequisite courses and admission to Cameron School of Business.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 3

FIN 430 - Investment Management

An analytical approach to the valuation of stocks, bonds and options and the placement of those securities in Markowitz-efficient portfolios. Technical and fundamental analysis, market efficiency and valuation methods are examined. Both application and theory are emphasized.

Credit Hours: 3

Prerequisite Courses: FIN 330 and FIN 335
Additional Restrictions/Requirements: Prerequisite courses and admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.

FIN 440 - Portfolio Design and Management

Students develop skills to analyze individual securities and then focus on investment portfolio design. These skills will ultimately be applied to UNCW's real-dollar student-managed investment fund.

Credit Hours: 3

Prerequisite Courses: FIN 330 and FIN 336
Additional Restrictions/Requirements: BS Business Administration, and admission to the Cameron School of Business, and a B- or better in FIN 330 and FIN 336.
Course Repeatability: Course may not be repeated.
Major Restriction BS Business Administration

FIN 431 - Real Estate Investment Analysis

The decision-making process in real estate investment analysis including risk and return, financing alternatives, tax implications, and pricing and development alternatives.

Credit Hours: 3

Prerequisite Courses: FIN 335.
Additional Restrictions/Requirements: Prerequisite course and admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.

FIN 433 - Financial Derivatives and Risk Management

Valuation of financial derivatives, including forwards, futures, options, and swaps. Application of the Black-Scholes-Merton model, the binomial option pricing model, and the cost of carry model. Use of financial derivatives for hedging, speculation, and arbirtrage and risk management.

Credit Hours: 3

Prerequisite Courses: FIN 335

Additional Restrictions/Requirements: Prerequisite course or consent of the department chair and admission to Cameron School of Business.
Crosslisting: ECN 433
Course Repeatability: Course may not be repeated.

FIN 434 - Fixed Income Securities and Derivatives

This course investigates fixed income securities (i.e. bonds) and their derivatives. The course will describe the major players in fixed income markets, the key institutions, broad empirical regularities and analytical tools that are used for pricing and risk management. Some parts of this course are analytical while others are institutional.

Credit Hours: 3

Prerequisite Courses: FIN 330
Additional Restrictions/Requirements: Prerequisite course and admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.

FIN 436 - Advanced Financial Management

Financial analysis and decision making in the modern business organization. Theoretical foundations of financial decision-making are emphasized, including both working capital and fixed capital requirements.

Credit Hours: 3

Prerequisite Courses: FIN 330 and FIN 336
Additional Restrictions/Requirements: Prerequisite courses and admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.

FIN 437 - Commercial Bank Management

A study of commercial bank operations and the regulatory environment of banking. Topics will include the evolution of regulation in the United States, industry structure, analysis of bank financial statements, asset/liability management, and capital requirements.

Credit Hours: 3

Prerequisite Courses: ECN 324 and FIN 335
Additional Restrictions/Requirements: Prerequisite

courses and admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.

FIN 438 - Financial Statement Analysis

This course focuses on the analysis of financial statments. Topics covered include credit analysis, profitability analysis, revenue recognition, asset recognition, liability recognition, and equity recognition. Specific attention is given to where managers have flexibility in accounting standards and how this might impact the analysis of the firm. Students are required to synthesize material from lecture to the analysis of real companies.

Credit Hours: 3

Prerequisite Courses: FIN 335
Additional Restrictions/Requirements: Prerequisite course and admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.

FIN 439 - Multinational Financial Management

An examination of the issues affecting the financial managers of multinational corporations. Topics include managing foreign exchange risk, international financial decisions, and factors affecting foreign direct investment.

Credit Hours: 3

Prerequisite Courses: FIN 335 and INB 300
Additional Restrictions/Requirements: Prerequisite courses and admission to Cameron School of Business.
Crosslisting: INB 439
Course Repeatability: Course may not be repeated.

FIN 441 - Financial Analytics

Adoption of big data techniques in large US business soared from 17% in 2015 to 59% in 2018, according to a recent article in the Forbes magazine. Building on this motivation, this course will be designed to introduce statistical and machine learning methods developed in the recent literature and discuss their applications in financial markets as well as industries such as banking and insurance. We start from basic regression analysis

and build on to discuss advanced methods such as decision tree and neural networks. Throughout the course, the emphasis will be on practical uses rather than statistical details; however, a fair amount of background information on the fundamentals of the methods used will still be provided.

Credit Hours: 3

Prerequisite Courses: FIN 335.
Additional Restrictions/Requirements: Prerequisite course and admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.
Additional Course Fees: None

FIN 442 - Introduction to FinTech

This course advances the students' knowledge by exploring the ways in which new technologies are disrupting the financial services industry—driving material change in business models, products, applications and customer user interfaces and the resultant disintermediation. Amongst the significant technological trends affecting financial services into the 2020's, the class will explore AI, smart contracts,

blockchain technology, and big data. We will then turn to four sectors of specific opportunities: payments, credit, trading and risk management. We will explore the competitive and strategic landscape amongst FinTech start-ups, incumbents from big finance and big tech in the U.S., China, India, and Europe. Students will learn about technological advances in data and analytics that are enabling these innovations.

Credit Hours: 3

Prerequisite Courses: FIN 335.
Additional Restrictions/Requirements: Prerequisites and admission to Cameron School of Business
Course Repeatability: Course may not be repeated.

FIN 443 - Blockchain in Finance

The purpose of this course is to provide a sound working knowledge of cryptocurrency, blockchain and their derivatives. This course is designed for students wishing to explore blockchain technology's potential use—by entrepreneurs, investors and commercial concerns adapting to a changing world of money and finance.

Starting with the basics of Bitcoin, students will gain an understanding of the fundamentals of blockchain technology, distributed ledgers and smart ledgers. The class will examine current and potential blockchain applications in the financial, commercial and even military sectors. This will include reviews of potential use cases for payment systems, central banking, venture capital, secondary market trading, trade finance, commercial banking, post trade possessing and digital ID as well as applications in data management.

This course will examine not only the markets but also the regulatory landscape for cryptocurrencies, initial coin offerings, other tokens and crypto derivatives. By examining competing influences and the analytical tools that are used for tracking, pricing and risk management.

Some parts of the course will be fairly technical while others will be largely conceptual. Each session will be organized around one or two key topics. In addition, class notes, current articles and handouts will be used to supplement and clarify issues.

Credit Hours: 3

Prerequisite Courses: FIN 335.
Additional Restrictions/Requirements: Prerequisites and admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.

FIN 445 - Healthcare Finance

This course is a covers numerous topics in the area of Healthcare Finance. You will learn to apply tools of Financial Management to the management of Healthcare entities. Ask anyone who works in the field of Healthcare why you need to have a special course in the topic, and they will unanimously say "because healthcare is different." To this end, we will cover topics such as the evolution the healthcare payment system in the United States (with some comparison to other countries). We will cover Revenue models and the Revenue cycle, as well as cost models. We will discuss how to measure community benefit, and we will do a deep dive into financial statements of hospitals and look at topics such as working capital management and cash management (critical issues in healthcare, but applicable to any firm). My goal is that you will leave the course with a better understanding of how

healthcare is paid for in the US and the financial skills you will need to step into any healthcare entity and be able to make sound decisions regarding the financial aspects of the firm.

Credit Hours: 3

Prerequisite Courses: FIN 335 .
Additional Restrictions/Requirements: Prerequisites and admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.
FIN 459 International Consultancy

FIN 495 - Seminar in Finance

This course may be repeated under a different subtitle.

Credit Hours: 1 To 3

Additional Restrictions/Requirements: Junior or senior standing, consent of the department chairperson and admission to Cameron School of Business.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6

ACG 301 - External Financial Reporting I

Analysis of traditional financial accounting topics and theory. Examines recent developments in accounting measurement and promulgations of the leading professional accounting organizations. ACG 301 emphasizes the development of accounting standards and theory, financial statements, and current assets.

Credit Hours: 3

Prerequisite Courses: ACG 201 with a minimum grade of 'C' and ACG 203 with a minimum grade of 'C'.
Course Repeatability: Course may not be repeated.

ACG 302 - External Financial Report II

Analysis of traditional financial accounting topics and theory. Examines recent developments in accounting measurement and promulgations of the leading professional accounting organizations. Emphasizes plant assets, long term investments, liabilities, and stockholders' equity.

Credit Hours: 3

Prerequisite Courses: ACG 301 with a minimum

grade of C
Additional Restrictions/Requirements: Prerequisite course and admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.

ACG 305 - Advanced Managerial Accounting

Identifying, capturing, developing, and reporting financial and other information to support strategic planning and decision making, short run management decisions, and management control of enterprise programs and activities. Specific topics include: strategic cost analysis, activity-based management, profit planning and budgeting, short run decision structures, and management systems for strategic and operational control.

Credit Hours: 3

Prerequisite Courses: ACG 201 and ACG 203.
Additional Restrictions/Requirements: Prerequisite courses and admission to Cameron School of Business. Grades of C or better in prerequisite courses.
Course Repeatability: Course may not be repeated.
Major Restriction Business Administration

ACG 404 - Federal Income Taxes

The study of federal income taxation of individuals with emphasis on business income and expense items and property transactions.

Credit Hours: 3

Prerequisite Courses: ACG 301 with a grade of C or better.
Additional Restrictions/Requirements: Prerequisite course and admission to Cameron School of Business, or prerequisite course for students in the Accountancy and Business Law minor, or consent of department chair. Grade of C in ACG 301 .
Course Repeatability: Course may not be repeated.

BAN 400 - Big Data Analytics

Acquisition, management, and analysis of large sets of data that are often encountered in a business environment. Focuses on challenges specific to analysis of data at scale. Real-world applications and case studies are examined.

Credit Hours: 3

Prerequisite or Corequisite Courses: BAN 304
Additional Restrictions/Requirements: Admission to Cameron School of Business or declared BS Information Technology major
Course Repeatability: Course may not be repeated.
Major Restriction BS Business Administration or BS Information Technology

BAN 402 - Predictive Analytics

Leveraging data to add value to business is of critical importance in our modern society. This course will focus on the analysis of data in order to create predictions and will examine a variety of predictive techniques to extract information from data. These topics will include: multiple linear regression, logistic regression, classification, clustering, text mining, neural networks, and others. This course will also discuss the challenges presented by large datasets and describe techniques such as data cleaning and visualization.

Credit Hours: 3

Prerequisite or Corequisite Courses: BAN 305.
Prerequisite Courses: BAN 304.
Additional Restrictions/Requirements: Admission to Cameron School of Business and student in the BAN minor.
Course Repeatability: Course may not be repeated.
Major Restriction Information Technology (IT)**Minor Restriction** Business Analytics (BAN)

ECN 377 - Introduction to Econometrics and Data Analytics

Introduction to applied estimation, testing and interpretation of economic models useful for business and policy decision-making. Emphasis on applied, client-driven model formulation, data acquisition and manipulation, and model estimation using statistical regression in a desktop computing environment. Extensive practice in interpretation of results for business and policy audiences.

Credit Hours: 3

Prerequisite Courses: ECN 222 and (MAT 151 or

MAT 161) and (BAN 280 or STT 215).
Additional Restrictions/Requirements: Prerequisite courses and either admission to Cameron School of Business or declared minor in economics.
Course Repeatability: Course may not be repeated.

ECN 477 - Advanced Econometrics and Research Methods

An introduction to the formalization of economic hypotheses into testable relationships and the application of appropriate statistical techniques. Theoretical aspects are covered, but primary emphasis is on computer application utilizing regression analysis.

Credit Hours: 3

Prerequisite Courses: ECN 222 and (BAN 280 or STT 215) and ECN 377.
Additional Restrictions/Requirements: Prerequisite courses and either admission to Cameron School of Business or declared minor in Economics.
University Studies: Building Competencies/Writing Intensive, Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

MKT 440 - Marketing Analytics

Focuses on the role of evidence-based data in decision-making and how to leverage data as a strategic asset. Emphasis on the predictive potential of data by translating vast amounts of complex data into manageable information in order to make sound decisions. The effective use of marketing metrics offers insights into customer preferences and trends and allows for the detection of patterns, the making of new associations, and the acquisition of a deeper understanding of customers.

Credit Hours: 3

Prerequisite or Corequisite Courses: MKT 343 with a grade of C- or better
Additional Restrictions/Requirements: BS Business Administration and Admission to Cameron School of Business
Course Repeatability: Course may not be repeated.
Major Restriction BS Business Administration

MKT 443 - Marketing Research Design

The development and utilization of the marketing research process and the components of a marketing research project for business decisions. Emphasis on the collection of qualitative and quantitative data to solve a specific business problem or identify opportunities used to develop and evaluate courses of marketing action.

Credit Hours: 3

Prerequisite or Corequisite Courses: MKT 343 with a grade of C- or better
Additional Restrictions/Requirements: BS Business Administration and Admission to Cameron School of Business
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3
Major Restriction BS Business Administration

Total: 21 semester hours

FinTech

Take the following six courses:

FIN 330 - Principles of Investments

An introduction to alternative investments, with major emphasis on financial instruments. Practical descriptive material and relevant theoretical applications. Topics include stocks, bonds, and other financial alternatives.

Credit Hours: 3

Prerequisite Courses: ACG 201 and ECN 222 and FIN 335
University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

FIN 336 - Intermediate Corporate Finance

The study of the theory and practice of corporate finance with special emphasis on the evaluation and financing of capital expenditures. Topics include cash flow determination, firm valuation, the Capital Asset Pricing Model, and an introduction to option pricing.

Credit Hours: 3

Prerequisite Courses: FIN 335
Additional Restrictions/Requirements: Prerequisite

course and admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.

FIN 441 - Financial Analytics

Adoption of big data techniques in large US business soared from 17% in 2015 to 59% in 2018, according to a recent article in the Forbes magazine. Building on this motivation, this course will be designed to introduce statistical and machine learning methods developed in the recent literature and discuss their applications in financial markets as well as industries such as banking and insurance. We start from basic regression analysis and build on to discuss advanced methods such as decision tree and neural networks. Throughout the course, the emphasis will be on practical uses rather than statistical details; however, a fair amount of background information on the fundamentals of the methods used will still be provided.

Credit Hours: 3

Prerequisite Courses: FIN 335.
Additional Restrictions/Requirements: Prerequisite course and admission to Cameron School of Business.

Course Repeatability: Course may not be repeated.
Additional Course Fees: None

FIN 442 - Introduction to FinTech

This course advances the students' knowledge by exploring the ways in which new technologies are disrupting the financial services industry—driving material change in business models, products, applications and customer user interfaces and the resultant disintermediation. Amongst the significant technological trends affecting financial services into the 2020's, the class will explore AI, smart contracts, blockchain technology, and big data. We will then turn to four sectors of specific opportunities: payments, credit, trading and risk management. We will explore the competitive and strategic landscape amongst FinTech start-ups, incumbents from big finance and big tech in the U.S., China, India, and Europe. Students will learn about technological advances in data and analytics that are enabling these innovations.

Credit Hours: 3

Prerequisite Courses: FIN 335.

Additional Restrictions/Requirements: Prerequisites and admission to Cameron School of Business
Course Repeatability: Course may not be repeated.

FIN 443 - Blockchain in Finance

The purpose of this course is to provide a sound working knowledge of cryptocurrency, blockchain and their derivatives. This course is designed for students wishing to explore blockchain technology's potential use—by entrepreneurs, investors and commercial concerns adapting to a changing world of money and finance.
Starting with the basics of Bitcoin, students will gain an understanding of the fundamentals of blockchain technology, distributed ledgers and smart ledgers. The class will examine current and potential blockchain applications in the financial, commercial and even military sectors. This will include reviews of potential use cases for payment systems, central banking, venture capital, secondary market trading, trade finance, commercial banking, post trade possessing and digital ID as well as applications in data management.
This course will examine not only the markets but also

the regulatory landscape for cryptocurrencies, initial coin offerings, other tokens and crypto derivatives. By examining competing influences and the analytical tools that are used for tracking, pricing and risk management.
Some parts of the course will be fairly technical while others will be largely conceptual. Each session will be organized around one or two key topics. In addition, class notes, current articles and handouts will be used to supplement and clarify issues.

Credit Hours: 3

Prerequisite Courses: FIN 335.
Additional Restrictions/Requirements: Prerequisites and admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.

MIS 303 - Programming for Analytics

This course introduces the essential general programming concepts and techniques for data analytics. Students will learn programming foundations, application development, and how to integrate applications with business operations. The course

covers hands-on issues in programming for analytics, which includes accessing data, manipulating data objects, analyzing data using common statistical methods, generating reproducible statistical reports, and creating informative visualizations.

Credit Hours: 3

Prerequisite Courses: MIS 213 or CIT 110
Additional Restrictions/Requirements: Admission to Cameron School of Business or declared BS Information Technology major.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3
Major Restriction BS Business Administration or BS Information Technology

Plus one course from:

BAN 402 - Predictive Analytics

Leveraging data to add value to business is of critical importance in our modern society. This course will focus on the analysis of data in order to create predictions and will examine a variety of predictive techniques to extract information from data. These

topics will include: multiple linear regression, logistic regression, classification, clustering, text mining, neural networks, and others. This course will also discuss the challenges presented by large datasets and describe techniques such as data cleaning and visualization.

Credit Hours: 3

Prerequisite or Corequisite Courses: BAN 305.
Prerequisite Courses: BAN 304.
Additional Restrictions/Requirements: Admission to Cameron School of Business and student in the BAN minor.
Course Repeatability: Course may not be repeated.
Major Restriction Information Technology (IT)**Minor Restriction** Business Analytics (BAN)

CYBR 435 - Cyber Fraud and Investigation

Investigation of cyber fraud, and the study of plans and processes for a holistic approach to preventing and mitigating fraud throughout the system lifecycle. Specific attention paid to financial fraud and the application of forensics techniques to respond to and

investigate financial incidents.

Credit Hours: 3

Prerequisite Courses: ACG 201, FIN 335, CYBR 202, and (STT 215 or BAN 280).
Course Repeatability: Course may not be repeated.

ECN 377 - Introduction to Econometrics and Data Analytics

Introduction to applied estimation, testing and interpretation of economic models useful for business and policy decision-making. Emphasis on applied, client-driven model formulation, data acquisition and manipulation, and model estimation using statistical regression in a desktop computing environment. Extensive practice in interpretation of results for business and policy audiences.

Credit Hours: 3

Prerequisite Courses: ECN 222 and (MAT 151 or MAT 161) and (BAN 280 or STT 215).
Additional Restrictions/Requirements: Prerequisite

courses and either admission to Cameron School of Business or declared minor in economics.
Course Repeatability: Course may not be repeated.

ECN 477 - Advanced Econometrics and Research Methods

An introduction to the formalization of economic hypotheses into testable relationships and the application of appropriate statistical techniques. Theoretical aspects are covered, but primary emphasis is on computer application utilizing regression analysis.

Credit Hours: 3

Prerequisite Courses: ECN 222 and (BAN 280 or STT 215) and ECN 377.
Additional Restrictions/Requirements: Prerequisite courses and either admission to Cameron School of Business or declared minor in Economics.
University Studies: Building Competencies/Writing Intensive, Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

MIS 305 - Data Visualization

This course provides design principles for creating displays of quantitative and qualitative data to facilitate managerial decision-making. The use of popular and powerful data visualization and dashboarding software tools is emphasized.

Credit Hours: 3

Prerequisite Courses: BAN 305
Additional Restrictions/Requirements: Admission to Cameron School of Business or declared BS Information Technology major.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3
Major Restriction BS Business Administration or BS Information Technology

MIS 306 - Text Data Analytics

The past decade has witnessed an explosion of digital text-based data produced by social media platforms, websites, emails, and the digitization of historical archives. These new data sources hold enormous potential to address a range of problems in various fields. Quantitative text analytics techniques allow us to

derive insights from these data. This course explores methods for pre-processing, analyzing, and visualizing text-based data. Students will use current software tools to perform data analytics.

Credit Hours: 3

Prerequisite Courses: BAN 280 or STT 215
Additional Restrictions/Requirements: Admission to Cameron School of Business or declared BS Information Technology major.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3
Major Restriction BS Business Administration or BS Information Technology

MIS 315 - Management of Database Systems

Study of the design and administration of database systems in a business environment. The relational model is used along with database management software to facilitate the communication and distribution of data and its conversion into information, with an

emphasis on sound design principles. Topics include entity-relationship modeling, normalization, and the structured query language (SQL).

Credit Hours: 3

Prerequisite Courses: MIS 213 or CIT 213
Course Repeatability: Course may not be repeated.

Total: 21 semester hours

Human Resource Management

Take the following three courses:

MGT 356 - Human Resource Management

Evaluation of concepts and approaches used in human resource management and development. Study of manpower planning, selection procedures, performance review, compensation and benefits, equal employment/affirmative action factors, and labor relations. Emphasis is on how personnel specialists and operating managers can improve organizational performance.

Credit Hours: 3

Prerequisite Courses: Prerequisite or Corequisite: MGT 350
Additional Restrictions/Requirements: Admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.

MGT 358 - Organizational Behavior

Application of behavioral science concepts in the management of organizations. Emphasis on increasing productivity on the individual, group, and organizational level. Particular attention directed to analyzing organizations, developing motivational programs, designing enriching jobs, leadership development, and managing organizational change.

Credit Hours: 3

Prerequisite or Corequisite Courses: MGT 350.
Additional Restrictions/Requirements: Admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.

MGT 359 - Talent Acquisition

This is an advanced course designed for management and human resource students. Upon completion, students will be able to develop and execute a recruitment and selection plan that ensures the organization is able to attract and retain top talent in order to meet company objectives. Students will gain expertise in designing and conducting valid employment interviews. Attention is given to the legal environment, planning, and job analyses.

Credit Hours: 3

Prerequisite or Corequisite Courses: MGT 356
Prerequisite Courses: MGT 350
Additional Restrictions/Requirements: BS Business Administration and Admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.
Major Restriction BS Business Administration

Plus two courses from:

MGT 353 - People Analytics

This course will prepare students to create and properly analyze existing scales pertaining to workplace

performance, training, engagement, employee satisfaction, turnover intentions and other outcomes from the field of talent acquisition, management, and development.

Credit Hours: 3

Prerequisite or Corequisite Courses: MGT 356
Prerequisite Courses: MGT 350
Additional Restrictions/Requirements: BS Business Administration and Admission to Cameron School of Business
Course Repeatability: Course may not be repeated.
Major Restriction BS Business Administration

MGT 457 - Training & Talent Development

Understanding of the processes involved in developing, administering, and evaluating effective talent development programs that will increase the productivity of employees and organizations. Particular attention on assessing training needs, identifying learning objectives, and using technology in the delivery of talent development programs.

Credit Hours: 3

Prerequisite or Corequisite Courses: MGT 350 and MGT 356
Additional Restrictions/Requirements: BS Business Administration and Admission to Cameron School of Business
University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.
Major Restriction BS Business Administration

MGT 458 - Total Rewards

Examination of how compensation, benefits, motivation and evaluation systems can be used to enhance the satisfaction and performance of organizational talent. Particular attention on job analysis, job evaluation, pay levels and structures, pay for performance plans, performance appraisals, benefits, and general pay administration.

Credit Hours: 3

Prerequisite or Corequisite Courses: MGT 356

Additional Restrictions/Requirements: Admission to Cameron School of Business
Course Repeatability: Course may not be repeated.

Plus two courses from:

MGT 352 - International Management

Study of management practices in the international business arena. Emphasis on the necessity of understanding global business interdependencies. Particular attention to developing sensitivity to other cultures, values, customs, and beliefs and their effects on business decisions and practices.

Credit Hours: 3

Prerequisite or Corequisite Courses: MGT 350.
Prerequisite Courses: INB 300.
Additional Restrictions/Requirements: Prerequisite courses and admission to Cameron School of Business.
University Studies: Building Competencies/Writing Intensive
Crosslisting: INB 352
Course Repeatability: Course may not be repeated.

MGT 353 - People Analytics

This course will prepare students to create and properly analyze existing scales pertaining to workplace performance, training, engagement, employee satisfaction, turnover intentions and other outcomes from the field of talent acquisition, management, and development.

Credit Hours: 3

Prerequisite or Corequisite Courses: MGT 356
Prerequisite Courses: MGT 350
Additional Restrictions/Requirements: BS Business Administration and Admission to Cameron School of Business
Course Repeatability: Course may not be repeated.
Major Restriction BS Business Administration

MGT 355 - Ethics in Management

Every person will face a moral or ethical quandary at some juncture in a career. This course will help prepare today's graduates (future employees and managers) to think in a structured, orderly way about their obligations to their companies and to other people. Ethics experts

argue students must develop the skills needed to convincingly present their moral point of view so they may ethically represent their organizations, safeguard their careers, and protect their societies. Students will explore historical and contemporary cases in managerial ethics applying theories of ethical reasoning. Topics will relate to ethical problems in business management, moral analysis and economic outcomes, legal requirements underscoring ethical management, ethical duties of managers and business owners, and practical/legal reasons businesses should be ethical. Students will discuss how to identify unethical conduct and how to appropriately respond to it. The link between ethics and corporate culture will be reinforced.

Credit Hours: 3

Prerequisite Courses: MGT 350.
Course Repeatability: Course may not be repeated.

MGT 452 - Leadership and Organizational Change

Study the processes associated with transforming organizations in a world of continuous change. Particular attention on leadership skills, ethics, organizational structure, and corporate culture with the shared purpose of fostering innovation, continuous improvement, and organizational performance.

Credit Hours: 3

Prerequisite or Corequisite Courses: MGT 358.
Prerequisite Courses: MGT 356.
Additional Restrictions/Requirements: Prerequisite courses and admission to Cameron School of Business.
University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

MGT - 453 - Leading Virtual Teams

MGT 456 - Employee and Labor Relations

Study of the current legislation affecting employee and labor relations, union organizing, collective bargaining, contract administration, union-management relations, and best practices in employee relations in both

unionized and non-unionized environments.

Credit Hours: 3

Additional Restrictions/Requirements: Admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.

MGT 457 - Training & Talent Development

Understanding of the processes involved in developing, administering, and evaluating effective talent development programs that will increase the productivity of employees and organizations. Particular attention on assessing training needs, identifying learning objectives, and using technology in the delivery of talent development programs.

Credit Hours: 3

Prerequisite or Corequisite Courses: MGT 350 and MGT 356
Additional Restrictions/Requirements: BS Business Administration and Admission to Cameron School of Business

University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.
Major Restriction BS Business Administration

MGT 458 - Total Rewards

Examination of how compensation, benefits, motivation and evaluation systems can be used to enhance the satisfaction and performance of organizational talent. Particular attention on job analysis, job evaluation, pay levels and structures, pay for performance plans, performance appraisals, benefits, and general pay administration.

Credit Hours: 3

Prerequisite or Corequisite Courses: MGT 356
Additional Restrictions/Requirements: Admission to Cameron School of Business
Course Repeatability: Course may not be repeated.

MGT 459 - Negotiation

Study of theory, research and practice in negotiation. Topics include social dilemmas, distributive bargaining,

integrative agreements, multiple-party scenarios, dispute resolution, third-party interventions and ethics. Negotiation exercises provide experience in a variety of contexts.

Credit Hours: 3

Additional Restrictions/Requirements: Admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.

MGT 495 - Seminar in Management

This course may be repeated under a different subtitle.

Credit Hours: 1 To 3

Additional Restrictions/Requirements: Junior or senior standing and consent of the department chairperson and admission to Cameron School of Business.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6

Total: 21 semester hours

Additional information:

Students pursuing this concentration cannot also pursue a concentration in Management and Leadership.

Information Systems

Take the following five courses:

MIS 315 - Management of Database Systems

Study of the design and administration of database systems in a business environment. The relational model is used along with database management software to facilitate the communication and distribution of data and its conversion into information, with an emphasis on sound design principles. Topics include entity-relationship modeling, normalization, and the structured query language (SQL).

Credit Hours: 3

Prerequisite Courses: MIS 213 or CIT 213
Course Repeatability: Course may not be repeated.

MIS 316 - Business Application Development

Intermediate programming in an event driven, rapid application development context. Emphasis is on writing high-quality code that is easy to debug, test, and maintain, culminating in database interaction.

Credit Hours: 3

Prerequisite or Corequisite Courses: and MIS 216 and MIS 315
Prerequisite Courses: CSC 112 or CSC 131
Additional Restrictions/Requirements: Students must take MIS 315 as a prerequisite or corequisite. Students must also take one of the following three courses (CSC 112 or CSC 131 as a prerequisite) or (MIS 216 as a prerequisite/corequisite).
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3
Major Restriction BS Business Administration or BS Information Technology

MIS 326 Digital Transformation in Business

MIS 411 - Information Systems Analysis

Processes and methods used for identifying and documenting information systems requirements and

developing systems specifications. Topics include the systems development life cycle, analysis tools, development methodologies, and techniques for effective communication.

Credit Hours: 3

Prerequisite or Corequisite Courses: MIS 315.
Prerequisite Courses: Prerequisite: CIT 213 with a minimum grade of C-, or prerequisite/corequisite: MIS 315.
Additional Restrictions/Requirements: Admission to Cameron School of Business for students majoring in Business Administration, and students majoring in Information Technology B.S.
University Studies: Building Competencies/Information Literacy, Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.

MIS 413 - Systems Design/Capstone Project

Involves the analysis, design and implementation of a real world project employing a 3-tier development process. New skills introduced include advanced web

development concepts, emerging web tools, and project management. Topics expanded are database design, systems analysis and design, UML, and technical communication.

Credit Hours: 3

Prerequisite Courses: MIS 316 and MIS 411.
Additional Restrictions/Requirements:
Admission to Cameron School of Business for students majoring in Business Administration, and students majoring in Information Technology B.S.

University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.

or

MIS 480 - IT Resource Planning and Management

This course will explore the management and strategic alignment of IT resources within the organization. Topics include IT strategy, IT alignment, planning and managing technology resources and integration of emerging technology into the organization.

Credit Hours: 3

Prerequisite Courses: MIS 411 with a minimum grade of C-.
Additional Restrictions/Requirements: Admission to Cameron School of Business for students majoring in Business Administration, and students majoring in Information Technology B.S.
University Studies: Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

Plus two courses from:

At least three credit hours must come from courses with an MIS prefix. No more than three credit hours

combined from MIS 491, MIS 495, and MIS 498 will count towards the Information Systems concentration.

Eligible courses:

ACG 306 - Accounting Information Systems

An introduction to the aggregation of data in an accounting information system with an emphasis on documentation, internal controls, and transaction cycles. Laboratory projects include advanced spreadsheet functions, an accounting software package and a database package.

Credit Hours: 3

Prerequisite Courses: ACG 201 with a minimum grade of 'C' and ACG 203 with a minimum grade of 'C'. Prerequisite or corequisite: ACG 301.
Course Repeatability: Course may not be repeated.

Any MIS course at 300-level or higher

BAN 305 - Introduction to Business Analytics

Application of statistical methods to business problems; topics include chi-square analysis, the F distribution, one-way and two-way analysis of variance, simple and

multiple regression analysis, and introduction to forecasting with regression models; use of computer programs in solving statistical problems.

Credit Hours: 3

Prerequisite Courses: BAN 280.
Course Repeatability: Course may not be repeated.

CIT - 410 - Web Application Development
CIT - 425 - Human-Computer Interfaces

CYBR 201 - Fundamentals of Cybersecurity

Introduction to fundamental cybersecurity concepts. Exploration of the basic security design principles needed to create systems worthy of trust. Introduction to IT system components and their roles in system operation. Consideration of the processes and regulations associated with operational analysis and evaluation, including approval authorities and processes.

Credit Hours: 3

University Studies: Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

SCM 375 - Quality Management

This course introduces quantitative and qualitative concepts and applications of quality management in manufacturing and service organizations. Topics include quality design, continuous improvement, cost of quality, employee involvement in quality, team building for quality, quality circles, service quality, statistical process control, and the relationship among quality, productivity, and competitiveness.

Credit Hours: 3

Prerequisite Courses: SCM 370
Additional Restrictions/Requirements: Prerequisite course and admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

Total: 21 hours

International Business

The International Business concentration is designed for those students seeking career opportunities in internationally focused organizations or those students pursuing an extended or permanent work experience abroad. The International Business concentration has a cross-functional business focus and does not reside in any one Cameron School of Business department. Faculty members representing all departments work as a team to guide the program and advise students. Students in this concentration must (1) be proficient in a language other than their native language at the "intermediate mid" level of proficiency according to the ACTFL standards or its equivalent, and (2) complete a formal international experience (i.e., study abroad, international internship, exchange). The language proficiency requirement can be met by (1) passing a professionally administered language proficiency exam at the 'intermediate mid' level of proficiency, or (2) completing the intermediate sequence of the language (e.g., through the SPN/GER/FRH 202 level or equivalent) with a grade of a C- or better, or (3) completing an advanced world language course for which the 202 level of the language (or equivalent) is a prerequisite with a grade of a C- or better, or (4)

completing the requirements for a major or minor in the language. Language proficiency exams must assess written and oral communication, be professionally administered, and align to ACTFL standards. Students should contact the UNCW World Languages & Cultures Department to ensure any non-UNCW administered proficiency test meets the expected quality standards. Regarding the international experience requirement, the INB Coordinator has ultimate authority to award credit for such experiences, though generally a formalized study abroad, exchange, or international internship program offered through UNCW will meet this requirement. Virtual programs may meet this requirement with approval from the INB Coordinator.

To improve the potential students are well-prepared for an international business career, the concentration is designed to provide students with both (1) an overview of international business from a cross-functional business perspective by taking international-focused classes from various business disciplines, as well as (2) courses within a specific business discipline with international applicability. As such, students concentrating in International Business will select a track within a business discipline. Students may select

one of ten tracks within International Business. All International Business tracks are 21 semester hours. Students may not concentrate in more than one INB track, but are encouraged to add any other CSB concentration. Students may "double-count" up to six credit hours to meet the degree requirements of two different concentrations.

International Business- Business Analytics Track

INB Core

Take four of the following courses:

BLA 371 - International Business Law

An examination of the legal, political, social and cultural aspects of doing business abroad. The course will cover major legal systems of the world, the political and governmental structures of various nations, international organizations, the law of international business transactions, and the settlement of transnational legal disputes. The course also will highlight cultural challenges and opportunities that an American may encounter in international business.

Credit Hours: 3

Additional Restrictions/Requirements: Junior or senior standing or consent of Department Chair.
Course Repeatability: Course may not be repeated.

ECN 426 - International Trade and Finance

A consideration of international trade theory and international financial institutions, including comparative advantage, exchange rates and balance of payments problems.

Credit Hours: 3

Prerequisite Courses: ECN 222 and INB 300.
Additional Restrictions/Requirements: Prerequisite courses and either admission to Cameron School of Business or declared minor in economics.
Crosslisting: INB 426.
Course Repeatability: Course may not be repeated.

FIN 439 - Multinational Financial Management

An examination of the issues affecting the financial managers of multinational corporations. Topics include

managing foreign exchange risk, international financial decisions, and factors affecting foreign direct investment.

Credit Hours: 3

Prerequisite Courses: FIN 335 and INB 300
Additional Restrictions/Requirements: Prerequisite courses and admission to Cameron School of Business.
Crosslisting: INB 439
Course Repeatability: Course may not be repeated.

MGT 352 - International Management

Study of management practices in the international business arena. Emphasis on the necessity of understanding global business interdependencies. Particular attention to developing sensitivity to other cultures, values, customs, and beliefs and their effects on business decisions and practices.

Credit Hours: 3

Prerequisite or Corequisite Courses: MGT 350.

Prerequisite Courses: INB 300.
Additional Restrictions/Requirements: Prerequisite courses and admission to Cameron School of Business.
University Studies: Building Competencies/Writing Intensive
Crosslisting: INB 352
Course Repeatability: Course may not be repeated.

MKT 442 - International Marketing

Focus is on the special framework in which international marketing is conducted. Influence of international institutions, culture, stage of economic development, geography and demography are covered. Emphasis on multinational marketing problems and opportunities in an ever-changing world.

Credit Hours: 3

Prerequisite Courses: MKT 340 and INB 300
Additional Restrictions/Requirements: Prerequisite course and admission to Cameron School of Business.
Crosslisting: INB 442
Course Repeatability: Course may not be repeated.

SCM 377 - International Operations Management

A study of global operations and logistics in the manufacturing and service sectors. Topics include organization of global operations, global manufacturing, global sourcing and logistics, global technology transfer, global risk management, and cultural and national comparisons of operations management practices. Case studies are used.

Credit Hours: 3

Prerequisite Courses: INB 300 and SCM 370
Additional Restrictions/Requirements: Prerequisite courses and admission to Cameron School of Business.
University Studies: Approaches and Perspectives/Living in a Global Society, Building Competencies/Writing Intensive
Crosslisting: INB 377
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

BAN Courses

Plus take three courses from:

BAN 304 - BAN 304 - Analytics Essentials - Canel

An analytics professional/practitioner is expected to be well-versed in modern analytics tools and techniques. In this course, students will gain competence in and exposure to relevant analytics software tools. The course presents software tools in the context of real-world datasets and problems.

Credit Hours: 3

Prerequisite Courses: MAT 111 or MAT 150
Course Repeatability: Course may not be repeated.

BAN 305 - Introduction to Business Analytics

Application of statistical methods to business problems; topics include chi-square analysis, the F distribution, one-way and two-way analysis of variance, simple and multiple regression analysis, and introduction to forecasting with regression models; use of computer programs in solving statistical problems.

Credit Hours: 3

Prerequisite Courses: BAN 280.
Course Repeatability: Course may not be repeated.

BAN 306 - Communicating Data with Storytelling

This course provides an introduction as well as hands-on experience in descriptive analytics and data visualization. It introduces students to principles for creating meaningful analysis and displays of quantitative and qualitative data to facilitate managerial decision-making.

Credit Hours: 3

Prerequisite Courses: MATH 111 or MATH 150 or MATH 160
Additional Restrictions/Requirements: Admission to Cameron School of Business or declared BS Information Technology major
University Studies: Building Competencies/Writing

Intensive
Course Repeatability: Course may not be repeated.
Major Restriction BS Business Administration or BS Information Technology

BAN 402 - Predictive Analytics

Leveraging data to add value to business is of critical importance in our modern society. This course will focus on the analysis of data in order to create predictions and will examine a variety of predictive techniques to extract information from data. These topics will include: multiple linear regression, logistic regression, classification, clustering, text mining, neural networks, and others. This course will also discuss the challenges presented by large datasets and describe techniques such as data cleaning and visualization.

Credit Hours: 3

Prerequisite or Corequisite Courses: BAN 305.
Prerequisite Courses: BAN 304.
Additional Restrictions/Requirements: Admission to Cameron School of Business and student in the BAN

minor.
Course Repeatability: Course may not be repeated.
Major Restriction Information Technology (IT)**Minor Restriction** Business Analytics (BAN)

BAN 403 - Optimizing Data-driven Decisions

Prescriptive Analytics deals with developing analytical models to solve business problems. Prescriptive models are used when a business needs to optimize operational decisions. The solution from these models provide the best solution (profit maximization, cost minimization, minimization of resource utilization, etc.) to the operational decision problems. Students will use MS Excel and AMPL as software tools for optimization in this course.

Credit Hours: 3

Prerequisite Courses: BAN 304.
Additional Restrictions/Requirements: Admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.

Additional Information:

Students must earn a C- or better in all courses used to fulfill the requirements of this concentration, as well as in INB 300.

International Business- Cybersecurity Track

INB Core

Take four of the following courses:

BLA 371 - International Business Law

An examination of the legal, political, social and cultural aspects of doing business abroad. The course will cover major legal systems of the world, the political and governmental structures of various nations, international organizations, the law of international business transactions, and the settlement of transnational legal disputes. The course also will highlight cultural challenges and opportunities that an American may encounter in international business.

Credit Hours: 3

Additional Restrictions/Requirements: Junior or

senior standing or consent of Department Chair.
Course Repeatability: Course may not be repeated.

ECN 426 - International Trade and Finance

A consideration of international trade theory and international financial institutions, including comparative advantage, exchange rates and balance of payments problems.

Credit Hours: 3

Prerequisite Courses: ECN 222 and INB 300.
Additional Restrictions/Requirements: Prerequisite courses and either admission to Cameron School of Business or declared minor in economics.
Crosslisting: INB 426.
Course Repeatability: Course may not be repeated.

FIN 439 - Multinational Financial Management

An examination of the issues affecting the financial managers of multinational corporations. Topics include managing foreign exchange risk, international financial decisions, and factors affecting foreign direct investment.

Credit Hours: 3

Prerequisite Courses: FIN 335 and INB 300
Additional Restrictions/Requirements: Prerequisite courses and admission to Cameron School of Business.
Crosslisting: INB 439
Course Repeatability: Course may not be repeated.

MGT 352 - International Management

Study of management practices in the international business arena. Emphasis on the necessity of understanding global business interdependencies. Particular attention to developing sensitivity to other cultures, values, customs, and beliefs and their effects on business decisions and practices.

Credit Hours: 3

Prerequisite or Corequisite Courses: MGT 350.
Prerequisite Courses: INB 300.
Additional Restrictions/Requirements: Prerequisite courses and admission to Cameron School of

Business.
University Studies: Building Competencies/Writing Intensive
Crosslisting: INB 352
Course Repeatability: Course may not be repeated.

MKT 442 - International Marketing

Focus is on the special framework in which international marketing is conducted. Influence of international institutions, culture, stage of economic development, geography and demography are covered. Emphasis on multinational marketing problems and opportunities in an ever-changing world.

Credit Hours: 3

Prerequisite Courses: MKT 340 and INB 300
Additional Restrictions/Requirements: Prerequisite course and admission to Cameron School of Business.
Crosslisting: INB 442
Course Repeatability: Course may not be repeated.

SCM 377 - International Operations Management

A study of global operations and logistics in the manufacturing and service sectors. Topics include organization of global operations, global manufacturing, global sourcing and logistics, global technology transfer, global risk management, and cultural and national comparisons of operations management practices. Case studies are used.

Credit Hours: 3

Prerequisite Courses: INB 300 and SCM 370
Additional Restrictions/Requirements: Prerequisite courses and admission to Cameron School of Business.
University Studies: Approaches and Perspectives/Living in a Global Society, Building Competencies/Writing Intensive
Crosslisting: INB 377
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

CYBR Courses

Plus the following three courses:

CYBR 201 - Fundamentals of Cybersecurity

Introduction to fundamental cybersecurity concepts. Exploration of the basic security design principles needed to create systems worthy of trust. Introduction to IT system components and their roles in system operation. Consideration of the processes and regulations associated with operational analysis and evaluation, including approval authorities and processes.

Credit Hours: 3

University Studies: Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

CYBR - 322 - Information Assurance

MIS 320 - Network Fundamentals

Introduction to the OSI model, network topologies, IP addressing and subnet masks, simple routing techniques, and basic switching terminology. Topics include the basic functions of the seven layers of the OSI model, different classes of IP addressing and subnetting, router login scripts.

Credit Hours: 3

Prerequisite or Corequisite Courses: CIT 110 or CYBR 201 or MIS 213
Additional Restrictions/Requirements: Admission to Cameron School of Business or declared BS Cybersecurity major or declared BS Information Technology major or declared Cybersecurity minor
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3
Major Restriction BS Business Administration or BS Cybersecurity or BS Information Technology**Minor Restriction** Cybersecurity Minor

Additional Information:

Students must earn a C- or better in all courses used to fulfill the requirements of this concentration, as well as in INB 300.

International Business- Economics Track

INB Core

Take three of the following courses:

BLA 371 - International Business Law

An examination of the legal, political, social and cultural aspects of doing business abroad. The course will cover major legal systems of the world, the political and governmental structures of various nations, international organizations, the law of international business transactions, and the settlement of transnational legal disputes. The course also will highlight cultural challenges and opportunities that an American may encounter in international business.

Credit Hours: 3

Additional Restrictions/Requirements: Junior or senior standing or consent of Department Chair.
Course Repeatability: Course may not be repeated.

FIN 439 - Multinational Financial Management

An examination of the issues affecting the financial managers of multinational corporations. Topics include managing foreign exchange risk, international financial decisions, and factors affecting foreign direct investment.

Credit Hours: 3

Prerequisite Courses: FIN 335 and INB 300
Additional Restrictions/Requirements: Prerequisite courses and admission to Cameron School of Business.
Crosslisting: INB 439
Course Repeatability: Course may not be repeated.

MGT 352 - International Management

Study of management practices in the international business arena. Emphasis on the necessity of understanding global business interdependencies. Particular attention to developing sensitivity to other cultures, values, customs, and beliefs and their effects on business decisions and practices.

Credit Hours: 3

Prerequisite or Corequisite Courses: MGT 350.
Prerequisite Courses: INB 300.
Additional Restrictions/Requirements: Prerequisite courses and admission to Cameron School of Business.
University Studies: Building Competencies/Writing

Intensive
Crosslisting: INB 352
Course Repeatability: Course may not be repeated.

MKT 442 - International Marketing

Focus is on the special framework in which international marketing is conducted. Influence of international institutions, culture, stage of economic development, geography and demography are covered. Emphasis on multinational marketing problems and opportunities in an ever-changing world.

Credit Hours: 3

Prerequisite Courses: MKT 340 and INB 300
Additional Restrictions/Requirements: Prerequisite course and admission to Cameron School of Business.
Crosslisting: INB 442
Course Repeatability: Course may not be repeated.

SCM 377 - International Operations Management

A study of global operations and logistics in the manufacturing and service sectors. Topics include

organization of global operations, global manufacturing, global sourcing and logistics, global technology transfer, global risk management, and cultural and national comparisons of operations management practices. Case studies are used.

Credit Hours: 3

Prerequisite Courses: INB 300 and SCM 370
Additional Restrictions/Requirements: Prerequisite courses and admission to Cameron School of Business.
University Studies: Approaches and Perspectives/Living in a Global Society, Building Competencies/Writing Intensive
Crosslisting: INB 377
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

ECN Courses

Plus the following four courses:

ECN 326 - Comparative Economic Systems

Analysis of economic systems operating under capitalism, socialism, communism, and fascism; institutions and organization of production and government; decision-making; distribution of income; problems of developing nations.

Credit Hours: 3

Prerequisite Courses: ECN 125 or ECN 222.
Additional Restrictions/Requirements: Prerequisite courses and either admission to Cameron School of Business or declared minor in economics.
University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

ECN 426 - International Trade and Finance

A consideration of international trade theory and international financial institutions, including comparative advantage, exchange rates and balance of payments problems.

Credit Hours: 3

Prerequisite Courses: ECN 222 and INB 300.
Additional Restrictions/Requirements: Prerequisite courses and either admission to Cameron School of Business or declared minor in economics.
Crosslisting: INB 426.
Course Repeatability: Course may not be repeated.

ECN 429 - Economics of Growth and Development

Economic principles are developed and applied to evaluate theories of economic growth and development in an international context. Major topics include: Measuring growth, theory of economic growth, the economics of poverty, agricultural issues, health, nutrition, productivity, gender bias, education, and technological change; government failures, migration and population growth, theories of income distribution, human capital theory, social capital theory, the effect of geography on growth, and sustainable development.

Credit Hours: 3

Prerequisite Courses: ECN 222.
Additional Restrictions/Requirements: Prerequisite

courses and either admission to Cameron School of Business or declared minor in economics.
University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.
ECN 3XX/4XX- ECN course at 300 or 400 level

Additional Information:

Students must earn a C- or better in all courses used to fulfill the requirements of this concentration, as well as in INB 300.

International Business- Entrepreneurship & Business Development Track

INB Core

Take three of the following courses:

BLA 371 - International Business Law

An examination of the legal, political, social and cultural aspects of doing business abroad. The course will cover major legal systems of the world, the political and governmental structures of various nations, international organizations, the law of international

business transactions, and the settlement of transnational legal disputes. The course also will highlight cultural challenges and opportunities that an American may encounter in international business.

Credit Hours: 3

Additional Restrictions/Requirements: Junior or senior standing or consent of Department Chair.
Course Repeatability: Course may not be repeated.

ECN 426 - International Trade and Finance

A consideration of international trade theory and international financial institutions, including comparative advantage, exchange rates and balance of payments problems.

Credit Hours: 3

Prerequisite Courses: ECN 222 and INB 300.
Additional Restrictions/Requirements: Prerequisite courses and either admission to Cameron School of Business or declared minor in economics.

Crosslisting: INB 426.
Course Repeatability: Course may not be repeated.

FIN 439 - Multinational Financial Management

An examination of the issues affecting the financial managers of multinational corporations. Topics include managing foreign exchange risk, international financial decisions, and factors affecting foreign direct investment.

Credit Hours: 3

Prerequisite Courses: FIN 335 and INB 300
Additional Restrictions/Requirements: Prerequisite courses and admission to Cameron School of Business.
Crosslisting: INB 439
Course Repeatability: Course may not be repeated.

MKT 442 - International Marketing

Focus is on the special framework in which international marketing is conducted. Influence of international institutions, culture, stage of economic development, geography and demography are covered.

Emphasis on multinational marketing problems and opportunities in an ever-changing world.

Credit Hours: 3

Prerequisite Courses: MKT 340 and INB 300
Additional Restrictions/Requirements: Prerequisite course and admission to Cameron School of Business.
Crosslisting: INB 442
Course Repeatability: Course may not be repeated.

SCM 377 - International Operations Management

A study of global operations and logistics in the manufacturing and service sectors. Topics include organization of global operations, global manufacturing, global sourcing and logistics, global technology transfer, global risk management, and cultural and national comparisons of operations management practices. Case studies are used.

Credit Hours: 3

Prerequisite Courses: INB 300 and SCM 370

Additional Restrictions/Requirements: Prerequisite courses and admission to Cameron School of Business.
University Studies: Approaches and Perspectives/Living in a Global Society, Building Competencies/Writing Intensive
Crosslisting: INB 377
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

International EBD Courses

Take the following three courses:

EBD 380 - Entrepreneurship

Primary focus is understanding entrepreneurship as a process and phenomenon that occurs in many different contexts. The course approaches entrepreneurship as a way of thinking and acting, as an attitude and a behavior. Specific areas include entrepreneuriial competencies (e.g., opportunity assessment and recognition techniques) and career paths, venture typologies, as well as basics of business and economic modeling, financing, marketing, legal and IP issues.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ACG 203.
Course Repeatability: Course may not be repeated

EBD 482 - Global Entrepreneurship and Exporting

Primary focus on entrepreneurial activities within the international arena. Particular attention on the mechanisms of international entry modes, import and export management, licensing mechanisms, international financing, the impact of globalization, identifying business opportunities, risk assessment, legal and accounting implications of international activities, and international intellectual protection processes. Upon completion of this course, students will be qualified to take the Certified Global Business Professional (CGBP) exam.

Credit Hours: 3

Prerequisite Courses: INB 300
Additional Restrictions/Requirements: Prerequisite

course and admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.

MGT 352 - International Management

Study of management practices in the international business arena. Emphasis on the necessity of understanding global business interdependencies. Particular attention to developing sensitivity to other cultures, values, customs, and beliefs and their effects on business decisions and practices.

Credit Hours: 3

Prerequisite or Corequisite Courses: MGT 350.
Prerequisite Courses: INB 300.
Additional Restrictions/Requirements: Prerequisite courses and admission to Cameron School of Business.
University Studies: Building Competencies/Writing Intensive
Crosslisting: INB 352
Course Repeatability: Course may not be repeated.

EBD Courses

Plus one course from:

EBD 354 - Managing Innovation and Technology

Development and adoption of new technology in corporate operations. Attention directed to creating an environment that fosters continuous improvement through experimentation, innovation, and change. Topics include the nature of technology, its role in business strategy, technological forecasting, the creative process, organization and management of professional personnel, and project management techniques.

Credit Hours: 3

Additional Restrictions/Requirements: Admission to Cameron School of Business.
Crosslisting: MGT 354
Course Repeatability: Course may not be repeated.

EBD - 393 - Corporate Entrepreneurship

MGT 351 - Green Business and Sustainable Enterprise

Examination of green business and sustainable enterprise from multiple perspectives. Emphasis on how organizations create a sustainable focus in their productive activities and successfully compete in the eco-friendly marketplace. Particular attention directed to regulatory trends that impact green enterprises, the development of sustainable technologies, and the management of entrepreneurial efforts in green industries.

Credit Hours: 3

Additional Restrictions/Requirements: Junior Standing
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

Additional Information

Students must earn a C- or better in all courses used to fulfill the requirements of this concentration, as well as in INB 300 and MGT 350.

International Business- Finance Track

INB Core

Take three of the following courses:

BLA 371 - International Business Law

An examination of the legal, political, social and cultural aspects of doing business abroad. The course will cover major legal systems of the world, the political and governmental structures of various nations, international organizations, the law of international business transactions, and the settlement of transnational legal disputes. The course also will highlight cultural challenges and opportunities that an American may encounter in international business.

Credit Hours: 3

Additional Restrictions/Requirements: Junior or senior standing or consent of Department Chair.
Course Repeatability: Course may not be repeated.

ECN 426 - International Trade and Finance

A consideration of international trade theory and international financial institutions, including comparative advantage, exchange rates and balance of payments problems.

Credit Hours: 3

Prerequisite Courses: ECN 222 and INB 300.
Additional Restrictions/Requirements: Prerequisite courses and either admission to Cameron School of Business or declared minor in economics.
Crosslisting: INB 426.
Course Repeatability: Course may not be repeated.

MGT 352 - International Management

Study of management practices in the international business arena. Emphasis on the necessity of understanding global business interdependencies. Particular attention to developing sensitivity to other cultures, values, customs, and beliefs and their effects on business decisions and practices.

Credit Hours: 3

Prerequisite or Corequisite Courses: MGT 350.
Prerequisite Courses: INB 300.
Additional Restrictions/Requirements: Prerequisite courses and admission to Cameron School of

Business.
University Studies: Building Competencies/Writing Intensive
Crosslisting: INB 352
Course Repeatability: Course may not be repeated.

MKT 442 - International Marketing

Focus is on the special framework in which international marketing is conducted. Influence of international institutions, culture, stage of economic development, geography and demography are covered. Emphasis on multinational marketing problems and opportunities in an ever-changing world.

Credit Hours: 3

Prerequisite Courses: MKT 340 and INB 300
Additional Restrictions/Requirements: Prerequisite course and admission to Cameron School of Business.
Crosslisting: INB 442
Course Repeatability: Course may not be repeated.

SCM 377 - International Operations Management

A study of global operations and logistics in the manufacturing and service sectors. Topics include organization of global operations, global manufacturing, global sourcing and logistics, global technology transfer, global risk management, and cultural and national comparisons of operations management practices. Case studies are used.

Credit Hours: 3

Prerequisite Courses: INB 300 and SCM 370
Additional Restrictions/Requirements: Prerequisite courses and admission to Cameron School of Business.
University Studies: Approaches and Perspectives/Living in a Global Society, Building Competencies/Writing Intensive
Crosslisting: INB 377
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

FIN Courses

Plus the following four courses:

FIN 330 - Principles of Investments

An introduction to alternative investments, with major emphasis on financial instruments. Practical descriptive material and relevant theoretical applications. Topics include stocks, bonds, and other financial alternatives.

Credit Hours: 3

Prerequisite Courses: ACG 201 and ECN 222 and FIN 335
University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

FIN 336 - Intermediate Corporate Finance

The study of the theory and practice of corporate finance with special emphasis on the evaluation and financing of capital expenditures. Topics include cash flow determination, firm valuation, the Capital Asset Pricing Model, and an introduction to option pricing.

Credit Hours: 3

Prerequisite Courses: FIN 335
Additional Restrictions/Requirements: Prerequisite

course and admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.

FIN 439 - Multinational Financial Management

An examination of the issues affecting the financial managers of multinational corporations. Topics include managing foreign exchange risk, international financial decisions, and factors affecting foreign direct investment.

Credit Hours: 3

Prerequisite Courses: FIN 335 and INB 300
Additional Restrictions/Requirements: Prerequisite courses and admission to Cameron School of Business.
Crosslisting: INB 439
Course Repeatability: Course may not be repeated.

FIN 4XX- 400 level elective with FIN prefix

Additional Information:

Students must earn a C- or better in all courses used to fulfill the requirements of this concentration, as well as in INB 300 and FIN 335.

International Business- Human Resource Management Track

INB Core

Take two of the following courses:

BLA 371 - International Business Law

An examination of the legal, political, social and cultural aspects of doing business abroad. The course will cover major legal systems of the world, the political and governmental structures of various nations, international organizations, the law of international business transactions, and the settlement of transnational legal disputes. The course also will highlight cultural challenges and opportunities that an American may encounter in international business.

Credit Hours: 3

Additional Restrictions/Requirements: Junior or senior standing or consent of Department Chair.
Course Repeatability: Course may not be repeated.

ECN 426 - International Trade and Finance

A consideration of international trade theory and international financial institutions, including comparative advantage, exchange rates and balance of payments problems.

Credit Hours: 3

Prerequisite Courses: ECN 222 and INB 300.
Additional Restrictions/Requirements: Prerequisite courses and either admission to Cameron School of Business or declared minor in economics.
Crosslisting: INB 426.
Course Repeatability: Course may not be repeated.

FIN 439 - Multinational Financial Management

An examination of the issues affecting the financial managers of multinational corporations. Topics include managing foreign exchange risk, international financial decisions, and factors affecting foreign direct investment.

Credit Hours: 3

Prerequisite Courses: FIN 335 and INB 300

Additional Restrictions/Requirements: Prerequisite courses and admission to Cameron School of Business.
Crosslisting: INB 439
Course Repeatability: Course may not be repeated.

SCM 377 - International Operations Management

A study of global operations and logistics in the manufacturing and service sectors. Topics include organization of global operations, global manufacturing, global sourcing and logistics, global technology transfer, global risk management, and cultural and national comparisons of operations management practices. Case studies are used.

Credit Hours: 3

Prerequisite Courses: INB 300 and SCM 370
Additional Restrictions/Requirements: Prerequisite courses and admission to Cameron School of Business.
University Studies: Approaches and Perspectives/Living in a Global Society, Building

Competencies/Writing Intensive
Crosslisting: INB 377
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

Plus the following four courses:

MGT 352 - International Management

Study of management practices in the international business arena. Emphasis on the necessity of understanding global business interdependencies. Particular attention to developing sensitivity to other cultures, values, customs, and beliefs and their effects on business decisions and practices.

Credit Hours: 3

Prerequisite or Corequisite Courses: MGT 350.
Prerequisite Courses: INB 300.
Additional Restrictions/Requirements: Prerequisite courses and admission to Cameron School of Business.
University Studies: Building Competencies/Writing Intensive

Crosslisting: INB 352
Course Repeatability: Course may not be repeated.

MGT 356 - Human Resource Management

Evaluation of concepts and approaches used in human resource management and development. Study of manpower planning, selection procedures, performance review, compensation and benefits, equal employment/affirmative action factors, and labor relations. Emphasis is on how personnel specialists and operating managers can improve organizational performance.

Credit Hours: 3

Prerequisite Courses: Prerequisite or Corequisite: MGT 350
Additional Restrictions/Requirements: Admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.

MGT 359 - Talent Acquisition

This is an advanced course designed for management and human resource students. Upon completion,

students will be able to develop and execute a recruitment and selection plan that ensures the organization is able to attract and retain top talent in order to meet company objectives. Students will gain expertise in designing and conducting valid employment interviews. Attention is given to the legal environment, planning, and job analyses.

Credit Hours: 3

Prerequisite or Corequisite Courses: MGT 356
Prerequisite Courses: MGT 350
Additional Restrictions/Requirements: BS Business Administration and Admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.
Major Restriction BS Business Administration

MKT 442 - International Marketing

Focus is on the special framework in which international marketing is conducted. Influence of international institutions, culture, stage of economic development, geography and demography are covered. Emphasis on multinational marketing problems and

opportunities in an ever-changing world.

Credit Hours: 3

Prerequisite Courses: MKT 340 and INB 300
Additional Restrictions/Requirements: Prerequisite course and admission to Cameron School of Business.
Crosslisting: INB 442
Course Repeatability: Course may not be repeated.

Plus one of the following courses:

MGT 353 - People Analytics

This course will prepare students to create and properly analyze existing scales pertaining to workplace performance, training, engagement, employee satisfaction, turnover intentions and other outcomes from the field of talent acquisition, management, and development.

Credit Hours: 3

Prerequisite or Corequisite Courses: MGT 356
Prerequisite Courses: MGT 350
Additional Restrictions/Requirements: BS Business

Administration and Admission to Cameron School of Business
Course Repeatability: Course may not be repeated.
Major Restriction BS Business Administration

MGT 453 Leading Virtual Teams

MGT 456 - Employee and Labor Relations

Study of the current legislation affecting employee and labor relations, union organizing, collective bargaining, contract administration, union-management relations, and best practices in employee relations in both unionized and non-unionized environments.

Credit Hours: 3

Additional Restrictions/Requirements: Admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.

MGT 457 - Training & Talent Development

Understanding of the processes involved in developing, administering, and evaluating effective talent development programs that will increase the productivity of employees and organizations. Particular

attention on assessing training needs, identifying learning objectives, and using technology in the delivery of talent development programs.

Credit Hours: 3

Prerequisite or Corequisite Courses: MGT 350 and MGT 356
Additional Restrictions/Requirements: BS Business Administration and Admission to Cameron School of Business
University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.
Major Restriction BS Business Administration

MGT 458 - Total Rewards

Examination of how compensation, benefits, motivation and evaluation systems can be used to enhance the satisfaction and performance of organizational talent. Particular attention on job analysis, job evaluation, pay levels and structures, pay for performance plans, performance appraisals, benefits, and general pay administration.

Credit Hours: 3

Prerequisite or Corequisite Courses: MGT 356
Additional Restrictions/Requirements: Admission to Cameron School of Business
Course Repeatability: Course may not be repeated.

Additional Information:

Students must earn a C- or better in all courses used to fulfill the requirements of this concentration, as well as in INB 300 and MGT 350.

International Business- Information Systems Track

INB Core

Take four of the following courses:

BLA 371 - International Business Law

An examination of the legal, political, social and cultural aspects of doing business abroad. The course will cover major legal systems of the world, the political and governmental structures of various nations, international organizations, the law of international

business transactions, and the settlement of transnational legal disputes. The course also will highlight cultural challenges and opportunities that an American may encounter in international business.

Credit Hours: 3

Additional Restrictions/Requirements: Junior or senior standing or consent of Department Chair.
Course Repeatability: Course may not be repeated.

ECN 426 - International Trade and Finance

A consideration of international trade theory and international financial institutions, including comparative advantage, exchange rates and balance of payments problems.

Credit Hours: 3

Prerequisite Courses: ECN 222 and INB 300.
Additional Restrictions/Requirements: Prerequisite courses and either admission to Cameron School of Business or declared minor in economics.

Crosslisting: INB 426.
Course Repeatability: Course may not be repeated.

FIN 439 - Multinational Financial Management

An examination of the issues affecting the financial managers of multinational corporations. Topics include managing foreign exchange risk, international financial decisions, and factors affecting foreign direct investment.

Credit Hours: 3

Prerequisite Courses: FIN 335 and INB 300
Additional Restrictions/Requirements: Prerequisite courses and admission to Cameron School of Business.
Crosslisting: INB 439
Course Repeatability: Course may not be repeated.

MGT 352 - International Management

Study of management practices in the international business arena. Emphasis on the necessity of understanding global business interdependencies. Particular attention to developing sensitivity to other

cultures, values, customs, and beliefs and their effects on business decisions and practices.

Credit Hours: 3

Prerequisite or Corequisite Courses: MGT 350.
Prerequisite Courses: INB 300.
Additional Restrictions/Requirements: Prerequisite courses and admission to Cameron School of Business.
University Studies: Building Competencies/Writing Intensive
Crosslisting: INB 352
Course Repeatability: Course may not be repeated.

MKT 442 - International Marketing

Focus is on the special framework in which international marketing is conducted. Influence of international institutions, culture, stage of economic development, geography and demography are covered. Emphasis on multinational marketing problems and opportunities in an ever-changing world.

Credit Hours: 3

Prerequisite Courses: MKT 340 and INB 300
Additional Restrictions/Requirements: Prerequisite course and admission to Cameron School of Business.
Crosslisting: INB 442
Course Repeatability: Course may not be repeated.

SCM 377 - International Operations Management

A study of global operations and logistics in the manufacturing and service sectors. Topics include organization of global operations, global manufacturing, global sourcing and logistics, global technology transfer, global risk management, and cultural and national comparisons of operations management practices. Case studies are used.

Credit Hours: 3

Prerequisite Courses: INB 300 and SCM 370
Additional Restrictions/Requirements: Prerequisite courses and admission to Cameron School of Business.
University Studies: Approaches and

Perspectives/Living in a Global Society, Building Competencies/Writing Intensive
Crosslisting: INB 377
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

IS Courses

Plus the following two coures:

MIS 315 - Management of Database Systems

Study of the design and administration of database systems in a business environment. The relational model is used along with database management software to facilitate the communication and distribution of data and its conversion into information, with an emphasis on sound design principles. Topics include entity-relationship modeling, normalization, and the structured query language (SQL).

Credit Hours: 3

Prerequisite Courses: MIS 213 or CIT 213
Course Repeatability: Course may not be repeated.

MIS 411 - Information Systems Analysis

Processes and methods used for identifying and documenting information systems requirements and developing systems specifications. Topics include the systems development life cycle, analysis tools, development methodologies, and techniques for effective communication.

Credit Hours: 3

Prerequisite or Corequisite Courses: MIS 315.
Prerequisite Courses: Prerequisite: CIT 213 with a minimum grade of C-, or prerequisite/corequisite: MIS 315.
Additional Restrictions/Requirements: Admission to Cameron School of Business for students majoring in Business Administration, and students majoring in Information Technology B.S.
University Studies: Building Competencies/Information Literacy, Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.

Plus take one course from:

MIS 303 - Programming for Analytics

This course introduces the essential general programming concepts and techniques for data analytics. Students will learn programming foundations, application development, and how to integrate applications with business operations. The course covers hands-on issues in programming for analytics, which includes accessing data, manipulating data objects, analyzing data using common statistical methods, generating reproducible statistical reports, and creating informative visualizations.

Credit Hours: 3

Prerequisite Courses: MIS 213 or CIT 110
Additional Restrictions/Requirements: Admission to Cameron School of Business or declared BS Information Technology major.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3
Major Restriction BS Business Administration or BS Information Technology

MIS 310 - Web Development Languages

Study of the design and creation of web pages that support traditional screens, tablets, and smart devices. Topics include page structure, human-computer interface design, style sheets, reusability, and design concepts. Best industry practices in web development, such as client-side scripting languages and Search Engine Optimization (SEO) techniques, will also be considered.

Credit Hours: 3

Prerequisite or Corequisite Courses: or (CSC 112 or CSC 131 or MIS 216)
Prerequisite Courses: CIT 110 or MIS 213
Additional Restrictions/Requirements:

One prerequisite or corequisite course is required: Choose CIT 110 or MIS 213 as a prerequisite course or one of CSC 112, CSC 131, or MIS 216 as a pre- or corequisite course.

Admission to Cameron School of Business or declared BS Information Technology major or declared BS Cybersecurity major or declared BS Computer Science or declared BA Digital Arts or declared Cybersecurity minor or declared Digital

Arts minor.
Course Repeatability: Course may not be repeated. **Maximum Repeatable Hours:** 3
Major Restriction BS Business Administration or BS Information Technology or BS Cybersecurity or BS Computer Science or BA Digital Arts**Minor Restriction** Cybersecurity Minor or Digital Arts Minor

MIS 323 - Business Telecommunications and Enabling Technologies

A study of the role of telecommunications in businesses as well as emerging networking/security technologies that will enable and potentially change how organizations conduct business in a networked economy. The course covers telecommunication topics such as the network layers, architecture, design, and use of telecommunications technologies and systems (with an emphasis on local area networks). The course also focuses on various emerging technologies (e.g., cloud) and the potential business impact of these technologies.

Credit Hours: 3

Prerequisite Courses: MIS 213
Additional Restrictions/Requirements: Admission to Cameron School of Business or declared BS Information Technology major or declared BS Cybersecurity major or declared Cybersecurity minor or declared Public Administration minor.
University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3
Major Restriction BS Business Administration or BS Information Technology or BS Cybersecurity**Minor Restriction** Cybersecurity Minor or Public Administration Minor

MIS 419 - Information Technology Project Management

This course introduces the fundamentals of project management, beginning with project definition through the post-project review. There will be emphasis placed on applying project management concepts and techniques to information system projects. This includes consideration of project planning, scheduling,

budgeting, human resources and the consideration of change management required to implement projects.

Credit Hours: 3

Prerequisite or Corequisite Courses: MIS 411.
Additional Restrictions/Requirements: Admission to Cameron School of Business for students majoring in Business Administration and students majoring in Information Technology B.S.
Course Repeatability: Course may not be repeated.

MIS 480 - IT Resource Planning and Management

This course will explore the management and strategic alignment of IT resources within the organization. Topics include IT strategy, IT alignment, planning and managing technology resources and integration of emerging technology into the organization.

Credit Hours: 3

Prerequisite Courses: MIS 411 with a minimum grade of C-.

Additional Restrictions/Requirements: Admission to Cameron School of Business for students majoring in Business Administration, and students majoring in Information Technology B.S.
University Studies: Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

Additional Information:

Students must earn a C- or better in all courses used to fulfill the requirements of this concentration, as well as in INB 300.

International Business- Management Track

INB Core

Take three of the following courses:

BLA 371 - International Business Law

An examination of the legal, political, social and cultural aspects of doing business abroad. The course will cover major legal systems of the world, the political and governmental structures of various nations, international organizations, the law of international

business transactions, and the settlement of transnational legal disputes. The course also will highlight cultural challenges and opportunities that an American may encounter in international business.

Credit Hours: 3

Additional Restrictions/Requirements: Junior or senior standing or consent of Department Chair.
Course Repeatability: Course may not be repeated.

ECN 426 - International Trade and Finance

A consideration of international trade theory and international financial institutions, including comparative advantage, exchange rates and balance of payments problems.

Credit Hours: 3

Prerequisite Courses: ECN 222 and INB 300.
Additional Restrictions/Requirements: Prerequisite courses and either admission to Cameron School of Business or declared minor in economics.

Crosslisting: INB 426.
Course Repeatability: Course may not be repeated.

FIN 439 - Multinational Financial Management

An examination of the issues affecting the financial managers of multinational corporations. Topics include managing foreign exchange risk, international financial decisions, and factors affecting foreign direct investment.

Credit Hours: 3

Prerequisite Courses: FIN 335 and INB 300
Additional Restrictions/Requirements: Prerequisite courses and admission to Cameron School of Business.
Crosslisting: INB 439
Course Repeatability: Course may not be repeated.

MKT 442 - International Marketing

Focus is on the special framework in which international marketing is conducted. Influence of international institutions, culture, stage of economic development, geography and demography are covered.

Emphasis on multinational marketing problems and opportunities in an ever-changing world.

Credit Hours: 3

Prerequisite Courses: MKT 340 and INB 300
Additional Restrictions/Requirements: Prerequisite course and admission to Cameron School of Business.
Crosslisting: INB 442
Course Repeatability: Course may not be repeated.

SCM 377 - International Operations Management

A study of global operations and logistics in the manufacturing and service sectors. Topics include organization of global operations, global manufacturing, global sourcing and logistics, global technology transfer, global risk management, and cultural and national comparisons of operations management practices. Case studies are used.

Credit Hours: 3

Prerequisite Courses: INB 300 and SCM 370

Additional Restrictions/Requirements: Prerequisite courses and admission to Cameron School of Business.
University Studies: Approaches and Perspectives/Living in a Global Society, Building Competencies/Writing Intensive
Crosslisting: INB 377
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

MGT Courses

Take the following two courses:

MGT 352 - International Management

Study of management practices in the international business arena. Emphasis on the necessity of understanding global business interdependencies. Particular attention to developing sensitivity to other cultures, values, customs, and beliefs and their effects on business decisions and practices.

Credit Hours: 3

Prerequisite or Corequisite Courses: MGT 350.

Prerequisite Courses: INB 300.
Additional Restrictions/Requirements: Prerequisite courses and admission to Cameron School of Business.
University Studies: Building Competencies/Writing Intensive
Crosslisting: INB 352
Course Repeatability: Course may not be repeated.

MGT 356 - Human Resource Management

Evaluation of concepts and approaches used in human resource management and development. Study of manpower planning, selection procedures, performance review, compensation and benefits, equal employment/affirmative action factors, and labor relations. Emphasis is on how personnel specialists and operating managers can improve organizational performance.

Credit Hours: 3

Prerequisite Courses: Prerequisite or Corequisite: MGT 350
Additional Restrictions/Requirements: Admission to

Cameron School of Business.
Course Repeatability: Course may not be repeated.

Plus two of the following:

EBD - 393 - Corporate Entrepreneurship

MGT 353 - People Analytics

This course will prepare students to create and properly analyze existing scales pertaining to workplace performance, training, engagement, employee satisfaction, turnover intentions and other outcomes from the field of talent acquisition, management, and development.

Credit Hours: 3

Prerequisite or Corequisite Courses: MGT 356
Prerequisite Courses: MGT 350
Additional Restrictions/Requirements: BS Business Administration and Admission to Cameron School of Business
Course Repeatability: Course may not be repeated.
Major Restriction BS Business Administration

or

MGT 351 - Green Business and Sustainable Enterprise

Examination of green business and sustainable enterprise from multiple perspectives. Emphasis on how organizations create a sustainable focus in their productive activities and successfully compete in the eco-friendly marketplace. Particular attention directed to regulatory trends that impact green enterprises, the development of sustainable technologies, and the management of entrepreneurial efforts in green industries.

Credit Hours: 3

Additional Restrictions/Requirements: Junior Standing
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

MGT 355 - Ethics in Management

Every person will face a moral or ethical quandary at some juncture in a career. This course will help prepare today's graduates (future employees and managers) to think in a structured, orderly way about their obligations

to their companies and to other people. Ethics experts argue students must develop the skills needed to convincingly present their moral point of view so they may ethically represent their organizations, safeguard their careers, and protect their societies. Students will explore historical and contemporary cases in managerial ethics applying theories of ethical reasoning. Topics will relate to ethical problems in business management, moral analysis and economic outcomes, legal requirements underscoring ethical management, ethical duties of managers and business owners, and practical/legal reasons businesses should be ethical. Students will discuss how to identify unethical conduct and how to appropriately respond to it. The link between ethics and corporate culture will be reinforced.

Credit Hours: 3

Prerequisite Courses: MGT 350.
Course Repeatability: Course may not be repeated.

MGT 359 - Talent Acquisition

This is an advanced course designed for management and human resource students. Upon completion, students will be able to develop and execute a recruitment and selection plan that ensures the organization is able to attract and retain top talent in order to meet company objectives. Students will gain expertise in designing and conducting valid employment interviews. Attention is given to the legal environment, planning, and job analyses.

Credit Hours: 3

Prerequisite or Corequisite Courses: MGT 356
Prerequisite Courses: MGT 350
Additional Restrictions/Requirements: BS Business Administration and Admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.
Major Restriction BS Business Administration

or

MGT 457 - Training & Talent Development

Understanding of the processes involved in developing, administering, and evaluating effective talent

development programs that will increase the productivity of employees and organizations. Particular attention on assessing training needs, identifying learning objectives, and using technology in the delivery of talent development programs.

Credit Hours: 3

Prerequisite or Corequisite Courses: MGT 350 and MGT 356
Additional Restrictions/Requirements: BS Business Administration and Admission to Cameron School of Business
University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.
Major Restriction BS Business Administration

MGT 358 - Organizational Behavior

Application of behavioral science concepts in the management of organizations. Emphasis on increasing productivity on the individual, group, and organizational level. Particular attention directed to analyzing organizations, developing motivational programs,

designing enriching jobs, leadership development, and managing organizational change.

Credit Hours: 3

Prerequisite or Corequisite Courses: MGT 350.
Additional Restrictions/Requirements: Admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.

Additional Information:

Students must earn a C- or better in all courses used to fulfill the requirements of this concentration, as well as in INB 300 and MGT 350.

International Business- Marketing Track

INB Core

Take three of the following courses:

BLA 371 - International Business Law

An examination of the legal, political, social and cultural aspects of doing business abroad. The course will cover major legal systems of the world, the political and

governmental structures of various nations, international organizations, the law of international business transactions, and the settlement of transnational legal disputes. The course also will highlight cultural challenges and opportunities that an American may encounter in international business.

Credit Hours: 3

Additional Restrictions/Requirements: Junior or senior standing or consent of Department Chair.
Course Repeatability: Course may not be repeated.

ECN 426 - International Trade and Finance

A consideration of international trade theory and international financial institutions, including comparative advantage, exchange rates and balance of payments problems.

Credit Hours: 3

Prerequisite Courses: ECN 222 and INB 300.
Additional Restrictions/Requirements: Prerequisite courses and either admission to Cameron School of

Business or declared minor in economics.
Crosslisting: INB 426.
Course Repeatability: Course may not be repeated.

FIN 439 - Multinational Financial Management

An examination of the issues affecting the financial managers of multinational corporations. Topics include managing foreign exchange risk, international financial decisions, and factors affecting foreign direct investment.

Credit Hours: 3

Prerequisite Courses: FIN 335 and INB 300
Additional Restrictions/Requirements: Prerequisite courses and admission to Cameron School of Business.
Crosslisting: INB 439
Course Repeatability: Course may not be repeated.

MGT 352 - International Management

Study of management practices in the international business arena. Emphasis on the necessity of understanding global business interdependencies.

Particular attention to developing sensitivity to other cultures, values, customs, and beliefs and their effects on business decisions and practices.

Credit Hours: 3

Prerequisite or Corequisite Courses: MGT 350.
Prerequisite Courses: INB 300.
Additional Restrictions/Requirements: Prerequisite courses and admission to Cameron School of Business.
University Studies: Building Competencies/Writing Intensive
Crosslisting: INB 352
Course Repeatability: Course may not be repeated.

SCM 377 - International Operations Management

A study of global operations and logistics in the manufacturing and service sectors. Topics include organization of global operations, global manufacturing, global sourcing and logistics, global technology transfer, global risk management, and cultural and national comparisons of operations management

practices. Case studies are used.

Credit Hours: 3

Prerequisite Courses: INB 300 and SCM 370
Additional Restrictions/Requirements: Prerequisite courses and admission to Cameron School of Business.
University Studies: Approaches and Perspectives/Living in a Global Society, Building Competencies/Writing Intensive
Crosslisting: INB 377
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

MKT Courses

Plus the following four courses:

MKT 343 - Content Marketing

Develop various forms of strategic marketing content that resonate with target audiences and help achieve marketing campaign objectives. Emphasis on curating and optimizing marketing content, including how to analyze, measure, track and report results against key

performance indicators (KPIs).

Credit Hours: 3

Prerequisite Courses: MKT 340 with a grade of C- or better
Additional Restrictions/Requirements: Prerequisite course and admission to Cameron School of Business.
University Studies: Building Competencies/Writing Intensive/Information Literacy
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

MKT 348 - Professional Selling

Examination of the theory and practice of sales skills designed to provide a professional foundation to students who will be involved in professional selling careers. Includes fundamentals of professional selling with an emphasis on self-confidence, persuasive presentation of ideas and products, customer orientation, and other selling behaviors.

Credit Hours: 3

Prerequisite Courses: MKT 340
Additional Restrictions/Requirements: Prerequisite course and admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.

MKT 349 - Consumer Behavior

Behavioral science concepts and principles and how they contribute to effective and efficient marketing activities from the perspective of the consumer, marketer and public policy maker.

Credit Hours: 3

Prerequisite Courses: MKT 340
Additional Restrictions/Requirements: Prerequisite course and admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.

MKT 442 - International Marketing

Focus is on the special framework in which international marketing is conducted. Influence of international institutions, culture, stage of economic development, geography and demography are covered. Emphasis on multinational marketing problems and

opportunities in an ever-changing world.

Credit Hours: 3

Prerequisite Courses: MKT 340 and INB 300
Additional Restrictions/Requirements: Prerequisite course and admission to Cameron School of Business.
Crosslisting: INB 442
Course Repeatability: Course may not be repeated.

Additional Information:

Students must earn a C- or better in all courses used to fulfill the requirements of this concentration, as well as in INB 300 and MKT 340.

International Business- Supply Chain Management Track

INB Core

Take three of the following courses:

BLA 371 - International Business Law

An examination of the legal, political, social and cultural aspects of doing business abroad. The course will

cover major legal systems of the world, the political and governmental structures of various nations, international organizations, the law of international business transactions, and the settlement of transnational legal disputes. The course also will highlight cultural challenges and opportunities that an American may encounter in international business.

Credit Hours: 3

Additional Restrictions/Requirements: Junior or senior standing or consent of Department Chair.
Course Repeatability: Course may not be repeated.

ECN 426 - International Trade and Finance

A consideration of international trade theory and international financial institutions, including comparative advantage, exchange rates and balance of payments problems.

Credit Hours: 3

Prerequisite Courses: ECN 222 and INB 300.
Additional Restrictions/Requirements: Prerequisite

courses and either admission to Cameron School of Business or declared minor in economics.
Crosslisting: INB 426.
Course Repeatability: Course may not be repeated.

FIN 439 - Multinational Financial Management

An examination of the issues affecting the financial managers of multinational corporations. Topics include managing foreign exchange risk, international financial decisions, and factors affecting foreign direct investment.

Credit Hours: 3

Prerequisite Courses: FIN 335 and INB 300
Additional Restrictions/Requirements: Prerequisite courses and admission to Cameron School of Business.
Crosslisting: INB 439
Course Repeatability: Course may not be repeated.

MGT 352 - International Management

Study of management practices in the international business arena. Emphasis on the necessity of

understanding global business interdependencies. Particular attention to developing sensitivity to other cultures, values, customs, and beliefs and their effects on business decisions and practices.

Credit Hours: 3

Prerequisite or Corequisite Courses: MGT 350.
Prerequisite Courses: INB 300.
Additional Restrictions/Requirements: Prerequisite courses and admission to Cameron School of Business.
University Studies: Building Competencies/Writing Intensive
Crosslisting: INB 352
Course Repeatability: Course may not be repeated.

MKT 442 - International Marketing

Focus is on the special framework in which international marketing is conducted. Influence of international institutions, culture, stage of economic development, geography and demography are covered. Emphasis on multinational marketing problems and opportunities in an ever-changing world.

Credit Hours: 3

Prerequisite Courses: MKT 340 and INB 300
Additional Restrictions/Requirements: Prerequisite course and admission to Cameron School of Business.
Crosslisting: INB 442
Course Repeatability: Course may not be repeated.

SCM Courses

Take the following course:

SCM 377 - International Operations Management

A study of global operations and logistics in the manufacturing and service sectors. Topics include organization of global operations, global manufacturing, global sourcing and logistics, global technology transfer, global risk management, and cultural and national comparisons of operations management practices. Case studies are used.

Credit Hours: 3

Prerequisite Courses: INB 300 and SCM 370
Additional Restrictions/Requirements: Prerequisite courses and admission to Cameron School of Business.
University Studies: Approaches and Perspectives/Living in a Global Society, Building Competencies/Writing Intensive
Crosslisting: INB 377
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

Plus three courses from:

SCM 371 - Logistics and Distribution Management

This course provides an in-depth study of a wide range of logistics and distribution issues facing managers. Topics include an analysis of the following components of a typical logistics system: customer service, logisitics system analysis, network analysis, facility planning, warehouse operations, traffic and transportation management, and distribution planning. Attention is directed toward the establishment of sustainable competitive advantage based on transportation, logistics and distribution activities.

Credit Hours: 3

Prerequisite Courses: SCM 370
Additional Restrictions/Requirements: Prerequisite course and admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SCM 375 - Quality Management

This course introduces quantitative and qualitative concepts and applications of quality management in manufacturing and service organizations. Topics include quality design, continuous improvement, cost of quality, employee involvement in quality, team building for quality, quality circles, service quality, statistical process control, and the relationship among quality, productivity, and competitiveness.

Credit Hours: 3

Prerequisite Courses: SCM 370
Additional Restrictions/Requirements: Prerequisite course and admission to Cameron School of Business.

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SCM 379 - Procurement Management

This course provides an in-depth study of the concepts, methods, and responsibilities of the purchasing function for manufacturing and service organizations. Topics include the organization role of purchasing, strategic sourcing, contract and pricing practices, negotiation, quality assurance and reliability, inventory management, lean purchasing, make-or-buy decisions, and the acquisition of transportation and other services.

Credit Hours: 3

Prerequisite Courses: SCM 370
Additional Restrictions/Requirements: BS Business Administration and admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3
Major Restriction BS Business Administration

SCM 475 - Advanced Supply Chain Management

This course provides a detailed analysis of the materials planning and execution systems used to manage the flow of material in service and manufacturing organizations to facilitate all stages of the supply chain. Topics include systems for demand management and forecasting techniques, inventory control systems for distribution channels, materials and capacity requirements planning systems, scheduling and order dispatching systems.

Credit Hours: 3

Prerequisite Courses: SCM 370
Additional Restrictions/Requirements: Admission to Cameron School of Business
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3
Major Restriction BS Business Administration

Additional Information:

Students must earn a C- or better in all courses used to fulfill the requirements of this concentration, as well as in INB 300 and SCM 370.

Management and Leadership

Take the following four courses:

MGT 352 - International Management

Study of management practices in the international business arena. Emphasis on the necessity of understanding global business interdependencies. Particular attention to developing sensitivity to other cultures, values, customs, and beliefs and their effects on business decisions and practices.

Credit Hours: 3

Prerequisite or Corequisite Courses: MGT 350.
Prerequisite Courses: INB 300.
Additional Restrictions/Requirements: Prerequisite courses and admission to Cameron School of Business.
University Studies: Building Competencies/Writing Intensive
Crosslisting: INB 352
Course Repeatability: Course may not be repeated.

or

MGT 355 - Ethics in Management

Every person will face a moral or ethical quandary at some juncture in a career. This course will help prepare today's graduates (future employees and managers) to think in a structured, orderly way about their obligations to their companies and to other people. Ethics experts argue students must develop the skills needed to convincingly present their moral point of view so they may ethically represent their organizations, safeguard their careers, and protect their societies. Students will explore historical and contemporary cases in managerial ethics applying theories of ethical reasoning. Topics will relate to ethical problems in business management, moral analysis and economic outcomes, legal requirements underscoring ethical management, ethical duties of managers and business owners, and practical/legal reasons businesses should be ethical. Students will discuss how to identify unethical conduct and how to appropriately respond to it. The link between ethics and corporate culture will be reinforced.

Credit Hours: 3

Prerequisite Courses: MGT 350.
Course Repeatability: Course may not be repeated.

MGT 356 - Human Resource Management

Evaluation of concepts and approaches used in human resource management and development. Study of manpower planning, selection procedures, performance review, compensation and benefits, equal employment/affirmative action factors, and labor relations. Emphasis is on how personnel specialists and operating managers can improve organizational performance.

Credit Hours: 3

Prerequisite Courses: Prerequisite or Corequisite: MGT 350
Additional Restrictions/Requirements: Admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.

MGT 358 - Organizational Behavior

Application of behavioral science concepts in the management of organizations. Emphasis on increasing

productivity on the individual, group, and organizational level. Particular attention directed to analyzing organizations, developing motivational programs, designing enriching jobs, leadership development, and managing organizational change.

Credit Hours: 3

Prerequisite or Corequisite Courses: MGT 350.
Additional Restrictions/Requirements: Admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.

MGT 452 - Leadership and Organizational Change

Study the processes associated with transforming organizations in a world of continuous change. Particular attention on leadership skills, ethics, organizational structure, and corporate culture with the shared purpose of fostering innovation, continuous improvement, and organizational performance.

Credit Hours: 3

Prerequisite or Corequisite Courses: MGT 358.
Prerequisite Courses: MGT 356.
Additional Restrictions/Requirements: Prerequisite courses and admission to Cameron School of Business.
University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

Plus three courses from:

(at least two courses must have a MGT prefix):

EBD 354 - Managing Innovation and Technology

Development and adoption of new technology in corporate operations. Attention directed to creating an environment that fosters continuous improvement through experimentation, innovation, and change. Topics include the nature of technology, its role in business strategy, technological forecasting, the creative process, organization and management of professional personnel, and project management techniques.

Credit Hours: 3

Additional Restrictions/Requirements: Admission to Cameron School of Business.
Crosslisting: MGT 354
Course Repeatability: Course may not be repeated.

EBD 380 - Entrepreneurship

Primary focus is understanding entrepreneurship as a process and phenomenon that occurs in many different contexts. The course approaches entrepreneurship as a way of thinking and acting, as an attitude and a behavior. Specific areas include entrepreneuriial competencies (e.g., opportunity assessment and recognition techniques) and career paths, venture typologies, as well as basics of business and economic modeling, financing, marketing, legal and IP issues.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ACG 203.
Course Repeatability: Course may not be repeated

FIN 438 - Financial Statement Analysis

This course focuses on the analysis of financial statments. Topics covered include credit analysis, profitability analysis, revenue recognition, asset recognition, liability recognition, and equity recognition. Specific attention is given to where managers have flexibility in accounting standards and how this might impact the analysis of the firm. Students are required to synthesize material from lecture to the analysis of real companies.

Credit Hours: 3

Prerequisite Courses: FIN 335
Additional Restrictions/Requirements: Prerequisite course and admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.

MGT 351 - Green Business and Sustainable Enterprise

Examination of green business and sustainable enterprise from multiple perspectives. Emphasis on how organizations create a sustainable focus in their productive activities and successfully compete in the eco-friendly marketplace. Particular attention directed

to regulatory trends that impact green enterprises, the development of sustainable technologies, and the management of entrepreneurial efforts in green industries.

Credit Hours: 3

Additional Restrictions/Requirements: Junior Standing
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

MGT 352 - International Management

Study of management practices in the international business arena. Emphasis on the necessity of understanding global business interdependencies. Particular attention to developing sensitivity to other cultures, values, customs, and beliefs and their effects on business decisions and practices.

Credit Hours: 3

Prerequisite or Corequisite Courses: MGT 350.
Prerequisite Courses: INB 300.

Additional Restrictions/Requirements: Prerequisite courses and admission to Cameron School of Business.
University Studies: Building Competencies/Writing Intensive
Crosslisting: INB 352
Course Repeatability: Course may not be repeated.

MGT 353 - People Analytics

This course will prepare students to create and properly analyze existing scales pertaining to workplace performance, training, engagement, employee satisfaction, turnover intentions and other outcomes from the field of talent acquisition, management, and development.

Credit Hours: 3

Prerequisite or Corequisite Courses: MGT 356
Prerequisite Courses: MGT 350
Additional Restrictions/Requirements: BS Business Administration and Admission to Cameron School of Business

Course Repeatability: Course may not be repeated.
Major Restriction BS Business Administration

EBD - 393 - Corporate Entrepreneurship

MGT 355 - Ethics in Management

Every person will face a moral or ethical quandary at some juncture in a career. This course will help prepare today's graduates (future employees and managers) to think in a structured, orderly way about their obligations to their companies and to other people. Ethics experts argue students must develop the skills needed to convincingly present their moral point of view so they may ethically represent their organizations, safeguard their careers, and protect their societies. Students will explore historical and contemporary cases in managerial ethics applying theories of ethical reasoning. Topics will relate to ethical problems in business management, moral analysis and economic outcomes, legal requirements underscoring ethical management, ethical duties of managers and business owners, and practical/legal reasons businesses should be ethical. Students will discuss how to identify unethical conduct and how to appropriately respond to it. The link between ethics and corporate culture will be

reinforced.

Credit Hours: 3

Prerequisite Courses: MGT 350.
Course Repeatability: Course may not be repeated.

MGT 357 - Hospitality Management

The course provides a general overview of the hospitality industry and the issues related to successful management of businesses within this industry. In particular, these sectors include food service, lodging, entertainment, medical, and other related industries such as cruise lines and supplier industries. Special attention will be given to the hospitality sector in the Carolinas, and issues related to entrepreneurship within hospitality.

Credit Hours: 3

Additional Restrictions/Requirements: Admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.

MGT 359 - Talent Acquisition

This is an advanced course designed for management and human resource students. Upon completion, students will be able to develop and execute a recruitment and selection plan that ensures the organization is able to attract and retain top talent in order to meet company objectives. Students will gain expertise in designing and conducting valid employment interviews. Attention is given to the legal environment, planning, and job analyses.

Credit Hours: 3

Prerequisite or Corequisite Courses: MGT 356
Prerequisite Courses: MGT 350
Additional Restrictions/Requirements: BS Business Administration and Admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.
Major Restriction BS Business Administration

MGT - 453 - Leading Virtual Teams

MGT 456 - Employee and Labor Relations

Study of the current legislation affecting employee and labor relations, union organizing, collective bargaining,

contract administration, union-management relations, and best practices in employee relations in both unionized and non-unionized environments.

Credit Hours: 3

Additional Restrictions/Requirements: Admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.

MGT 459 - Negotiation

Study of theory, research and practice in negotiation. Topics include social dilemmas, distributive bargaining, integrative agreements, multiple-party scenarios, dispute resolution, third-party interventions and ethics. Negotiation exercises provide experience in a variety of contexts.

Credit Hours: 3

Additional Restrictions/Requirements: Admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.

MGT 491 - Directed Individual Study

Please enter a description.

Credit Hours: 1 To 6

Additional Restrictions/Requirements: Junior or senior standing and consent of department chairperson and admission to Cameron School of Business.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

MGT 495 - Seminar in Management

This course may be repeated under a different subtitle.

Credit Hours: 1 To 3

Additional Restrictions/Requirements: Junior or senior standing and consent of the department chairperson and admission to Cameron School of Business.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6

MGT 499 - Honors Work in Management

Independent work for honors students.

Credit Hours: 2 To 3

Additional Restrictions/Requirements: Senior standing and admission to Cameron School of Business.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6

SCM 472 - Project Management

This course introduces the fundamentals of project management, beginning with project definition and culminating in the post-project review. Students will learn techniques, terms and guidelines that are used to manage costs, schedules, risk, group dynamics and technical aspects throughout the life cycle of the project.

Credit Hours: 3

Prerequisite Courses: SCM 370

Additional Restrictions/Requirements: Prerequisite course and admission to Cameron School of Business.
University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

Total: 21 semester hours

Additional Information:

Students pursuing this concentration cannot also pursue a concentration in Human Resource Management.

Marketing- Marketing Strategy

Take the following five courses:

MKT 343 - Content Marketing

Develop various forms of strategic marketing content that resonate with target audiences and help achieve marketing campaign objectives. Emphasis on curating and optimizing marketing content, including how to analyze, measure, track and report results against key performance indicators (KPIs).

Credit Hours: 3

Prerequisite Courses: MKT 340 with a grade of C- or better
Additional Restrictions/Requirements: Prerequisite course and admission to Cameron School of Business.
University Studies: Building Competencies/Writing Intensive/Information Literacy
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

MKT 349 - Consumer Behavior

Behavioral science concepts and principles and how they contribute to effective and efficient marketing activities from the perspective of the consumer, marketer and public policy maker.

Credit Hours: 3

Prerequisite Courses: MKT 340
Additional Restrictions/Requirements: Prerequisite course and admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.

MKT 440 - Marketing Analytics

Focuses on the role of evidence-based data in decision-making and how to leverage data as a strategic asset. Emphasis on the predictive potential of data by translating vast amounts of complex data into manageable information in order to make sound decisions. The effective use of marketing metrics offers insights into customer preferences and trends and allows for the detection of patterns, the making of new associations, and the acquisition of a deeper understanding of customers.

Credit Hours: 3

Prerequisite or Corequisite Courses: MKT 343 with a grade of C- or better
Additional Restrictions/Requirements: BS Business Administration and Admission to Cameron School of Business
Course Repeatability: Course may not be repeated.
Major Restriction BS Business Administration

MKT 443 - Marketing Research Design

The development and utilization of the marketing research process and the components of a marketing research project for business decisions. Emphasis on the collection of qualitative and quantitative data to solve a specific business problem or identify opportunities used to develop and evaluate courses of marketing action.

Credit Hours: 3

Prerequisite or Corequisite Courses: MKT 343 with a grade of C- or better
Additional Restrictions/Requirements: BS Business Administration and Admission to Cameron School of Business
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3
Major Restriction BS Business Administration

MKT 445 - Marketing Strategy

Concepts of Demand Analysis, formulating marketing strategy, establishing policies and procedures, coordinating marketing action, and evaluating performance.

Credit Hours: 3

Prerequisite Courses: MKT 343
Additional Restrictions/Requirements: Senior standing, prerequisite course, and completion of an additional 9 hours of upper division marketing courses.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

Plus two courses from:

MKT 342 - Social Media Marketing

Survey course of the unique aspects of marketing through social media. Focus is on the application of new and emerging social media communication systems and practices that are becoming major elements in integrated marketing communication programs.

Credit Hours: 3

Prerequisite Courses: MKT 340 with a minimum grade of C-.
Additional Restrictions/Requirements: Admission to

Cameron School of Business
Course Repeatability: Course may not be repeated.
Major Restriction Bachelor of Science in Business Administration**Minor Restriction** none

MKT 344 - Branding

This course focuses in depth on the development, cultivation and evolution (and death) of brands. The goal of this course is to prepare students to understand how build brand assets and create an enduring advantage for brands in the marketplace. Focus is applied with a multi-industry and interdisciplinary perspective.

Credit Hours: 3

Prerequisite Courses: MKT 340.
Additional Restrictions/Requirements: Admission to the Cameron School of Business.
Course Repeatability: Course may not be repeated.
Major Restriction Admission to the Cameron School of Business

MKT 345 - Sports & Sponsorship Marketing

An overview of the marketing of sports at the professional and collegiate levels, as well as the use of sport sponsorships by commercial enterprises to help market products and services. The course will cover topics related to the economics of sports, the creation and management of sports brands, and the use of the marketing mix to increase the participation and consumption of sports products. Students will also learn how to utilize sponsorship activities, such as licensing, endorsements, and venue-naming rights, to create enduring emotional connections between sport properties and consumers.

Credit Hours: 3

Prerequisite Courses: MKT 340 with a grade of C- or better
Additional Restrictions/Requirements: Prerequisite course and admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

MKT 346 - Retail Management

Examination of the principles and methods of retailing. Study of social, political, ethical, and economic environments. Emphasis on market segmentation, merchandising, and managerial control.

Credit Hours: 3

Prerequisite Courses: MKT 340
Additional Restrictions/Requirements: Prerequisite course and admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.

MKT 347 - Promotion Management

Integrated marketing communications with an emphasis on advertising, public relations, direct marketing, and sales promotion, as a component of the marketing mix and overall organizational strategy from the perspective of the marketer, advertiser, agency, consumer and public.

Credit Hours: 3

Prerequisite Courses: MKT 340
Additional Restrictions/Requirements: Prerequisite

course and admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.

MKT 348 - Professional Selling

Examination of the theory and practice of sales skills designed to provide a professional foundation to students who will be involved in professional selling careers. Includes fundamentals of professional selling with an emphasis on self-confidence, persuasive presentation of ideas and products, customer orientation, and other selling behaviors.

Credit Hours: 3

Prerequisite Courses: MKT 340
Additional Restrictions/Requirements: Prerequisite course and admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.

MKT 441 - Sales Strategy and Technology

Focus is on key areas of modern sales technologies, changing markets, and specialized sales tactics. This course encompasses the capture and storage of data by sales professionals for assessing sales analytics to

better meet customer needs. An examination of effective negotiation techniques, market analysis, the structure of B2B markets and newly emerging sales technologies and tactics is provided.

Credit Hours: 3

Prerequisite Courses: MKT 348.
Additional Restrictions/Requirements: Prerequisite courses and admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.

MKT 442 - International Marketing

Focus is on the special framework in which international marketing is conducted. Influence of international institutions, culture, stage of economic development, geography and demography are covered. Emphasis on multinational marketing problems and opportunities in an ever-changing world.

Credit Hours: 3

Prerequisite Courses: MKT 340 and INB 300

Additional Restrictions/Requirements: Prerequisite course and admission to Cameron School of Business.
Crosslisting: INB 442
Course Repeatability: Course may not be repeated.

MKT 444 - Digital Marketing Analytics

Focus of the class will be on learning digital marketing skills and applying them to create effective marketing strategies. Emphasis is on project-oriented assignments with an application to real-world scenarios. Offers insight into a variety of digital promotional channels, such as search engine optimization (SEM), search engine marketing (SEM), mobile marketing, and social media marketing, as well as the analytics of their effectiveness.

Credit Hours: 3

Prerequisite or Corequisite Courses: MKT 343
Additional Restrictions/Requirements: Prerequisite or co-requisite course and admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

MKT 446 - Health Care Marketing

Survey course providing a comprehensive overview of the unique aspects of medical and health care marketing environments. Emphasis is on quantitative and qualitative data to support strategic and tactical marketing recommendations regarding health care. The course examines various types of health care organizations and offers marketing solutions to providers.

Credit Hours: 3

Prerequisite Courses: MKT 340 with a minimum grade of C-.
Additional Restrictions/Requirements: Admission to Cameron School of Business
Course Repeatability: Course may not be repeated.
Major Restriction Bachelor of Science in Business Administration

MKT 447 - Services Marketing

A study of the marketing of services with emphasis on the distinctions that exist between marketing intangibles and tangible products. The managerial

implications and strategies available in services marketing are also examined.

Credit Hours: 3

Prerequisite Courses: MKT 340
Additional Restrictions/Requirements: Prerequisite course and admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.

MKT 448 - Sales Management

Focus on developing and maintaining an effective sales organization. Emphasis on the role of the salesperson, motivating the sales force, and designing and implementing selling strategies.

Credit Hours: 3

Prerequisite Courses: MKT 348
Additional Restrictions/Requirements: Prerequisite course and admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.

MKT 449 - Advanced Sales

The purpose of this class is to prepare students for an entry-level professional selling position beyond the scope of the introductory Professional Selling class. Students will gain advanced instruction and skill development in interpersonal communication skills, career management, unique value, team selling, personal productivity, negotiation, and other relevant topics.

Credit Hours: 3

Prerequisite Courses: MKT 348, MKT 340, Admission to Cameron School of Business.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6
Additional Course Fees: None

MKT 495 - Seminar in Marketing

Special topics in marketing not addressed in depth in other courses. May be repeated under a different subtitle.

Credit Hours: 1 To 3

Prerequisite Courses: MKT 340
Additional Restrictions/Requirements: Prerequisite course and admission to Cameron School of Business.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6

Total: 21 semester hours

Marketing- Professional Selling

Take the following five courses:

MKT 343 - Content Marketing

Develop various forms of strategic marketing content that resonate with target audiences and help achieve marketing campaign objectives. Emphasis on curating and optimizing marketing content, including how to analyze, measure, track and report results against key performance indicators (KPIs).

Credit Hours: 3

Prerequisite Courses: MKT 340 with a grade of C- or better
Additional Restrictions/Requirements: Prerequisite

course and admission to Cameron School of Business.
University Studies: Building Competencies/Writing Intensive/Information Literacy
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

MKT 348 - Professional Selling

Examination of the theory and practice of sales skills designed to provide a professional foundation to students who will be involved in professional selling careers. Includes fundamentals of professional selling with an emphasis on self-confidence, persuasive presentation of ideas and products, customer orientation, and other selling behaviors.

Credit Hours: 3

Prerequisite Courses: MKT 340
Additional Restrictions/Requirements: Prerequisite course and admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.

MKT 441 - Sales Strategy and Technology

Focus is on key areas of modern sales technologies, changing markets, and specialized sales tactics. This course encompasses the capture and storage of data by sales professionals for assessing sales analytics to better meet customer needs. An examination of effective negotiation techniques, market analysis, the structure of B2B markets and newly emerging sales technologies and tactics is provided.

Credit Hours: 3

Prerequisite Courses: MKT 348.
Additional Restrictions/Requirements: Prerequisite courses and admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.

MKT 445 - Marketing Strategy

Concepts of Demand Analysis, formulating marketing strategy, establishing policies and procedures, coordinating marketing action, and evaluating performance.

Credit Hours: 3

Prerequisite Courses: MKT 343
Additional Restrictions/Requirements: Senior standing, prerequisite course, and completion of an additional 9 hours of upper division marketing courses.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

MKT 449 - Advanced Sales

The purpose of this class is to prepare students for an entry-level professional selling position beyond the scope of the introductory Professional Selling class. Students will gain advanced instruction and skill development in interpersonal communication skills, career management, unique value, team selling, personal productivity, negotiation, and other relevant topics.

Credit Hours: 3

Prerequisite Courses: MKT 348, MKT 340, Admission to Cameron School of Business.
Course Repeatability: Course may be repeated.

Maximum Repeatable Hours: 6
Additional Course Fees: None

Plus two courses from:

MKT 342 - Social Media Marketing

Survey course of the unique aspects of marketing through social media. Focus is on the application of new and emerging social media communication systems and practices that are becoming major elements in integrated marketing communication programs.

Credit Hours: 3

Prerequisite Courses: MKT 340 with a minimum grade of C-.
Additional Restrictions/Requirements: Admission to Cameron School of Business
Course Repeatability: Course may not be repeated.
Major Restriction Bachelor of Science in Business Administration**Minor Restriction** none

MKT 344 - Branding

This course focuses in depth on the development, cultivation and evolution (and death) of brands. The goal of this course is to prepare students to understand how build brand assets and create an enduring advantage for brands in the marketplace. Focus is applied with a multi-industry and interdisciplinary perspective.

Credit Hours: 3

Prerequisite Courses: MKT 340.
Additional Restrictions/Requirements: Admission to the Cameron School of Business.
Course Repeatability: Course may not be repeated.
Major Restriction Admission to the Cameron School of Business

MKT 345 - Sports & Sponsorship Marketing

An overview of the marketing of sports at the professional and collegiate levels, as well as the use of sport sponsorships by commercial enterprises to help market products and services. The course will cover topics related to the economics of sports, the creation and management of sports brands, and the use of the

marketing mix to increase the participation and consumption of sports products. Students will also learn how to utilize sponsorship activities, such as licensing, endorsements, and venue-naming rights, to create enduring emotional connections between sport properties and consumers.

Credit Hours: 3

Prerequisite Courses: MKT 340 with a grade of C- or better
Additional Restrictions/Requirements: Prerequisite course and admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

MKT 346 - Retail Management

Examination of the principles and methods of retailing. Study of social, political, ethical, and economic environments. Emphasis on market segmentation, merchandising, and managerial control.

Credit Hours: 3

Prerequisite Courses: MKT 340
Additional Restrictions/Requirements: Prerequisite course and admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.

MKT 347 - Promotion Management

Integrated marketing communications with an emphasis on advertising, public relations, direct marketing, and sales promotion, as a component of the marketing mix and overall organizational strategy from the perspective of the marketer, advertiser, agency, consumer and public.

Credit Hours: 3

Prerequisite Courses: MKT 340
Additional Restrictions/Requirements: Prerequisite course and admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.

MKT 349 - Consumer Behavior

Behavioral science concepts and principles and how they contribute to effective and efficient marketing activities from the perspective of the consumer,

marketer and public policy maker.

Credit Hours: 3

Prerequisite Courses: MKT 340
Additional Restrictions/Requirements: Prerequisite course and admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.

MKT 440 - Marketing Analytics

Focuses on the role of evidence-based data in decision-making and how to leverage data as a strategic asset. Emphasis on the predictive potential of data by translating vast amounts of complex data into manageable information in order to make sound decisions. The effective use of marketing metrics offers insights into customer preferences and trends and allows for the detection of patterns, the making of new associations, and the acquisition of a deeper understanding of customers.

Credit Hours: 3

Prerequisite or Corequisite Courses: MKT 343 with

a grade of C- or better
Additional Restrictions/Requirements: BS Business Administration and Admission to Cameron School of Business
Course Repeatability: Course may not be repeated.
Major Restriction BS Business Administration

MKT 442 - International Marketing

Focus is on the special framework in which international marketing is conducted. Influence of international institutions, culture, stage of economic development, geography and demography are covered. Emphasis on multinational marketing problems and opportunities in an ever-changing world.

Credit Hours: 3

Prerequisite Courses: MKT 340 and INB 300
Additional Restrictions/Requirements: Prerequisite course and admission to Cameron School of Business.
Crosslisting: INB 442
Course Repeatability: Course may not be repeated.

MKT 443 - Marketing Research Design

The development and utilization of the marketing research process and the components of a marketing research project for business decisions. Emphasis on the collection of qualitative and quantitative data to solve a specific business problem or identify opportunities used to develop and evaluate courses of marketing action.

Credit Hours: 3

Prerequisite or Corequisite Courses: MKT 343 with a grade of C- or better
Additional Restrictions/Requirements: BS Business Administration and Admission to Cameron School of Business
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3
Major Restriction BS Business Administration

MKT 444 - Digital Marketing Analytics

Focus of the class will be on learning digital marketing skills and applying them to create effective marketing strategies. Emphasis is on project-oriented assignments with an application to real-world

scenarios. Offers insight into a variety of digital promotional channels, such as search engine optimization (SEM), search engine marketing (SEM), mobile marketing, and social media marketing, as well as the analytics of their effectiveness.

Credit Hours: 3

Prerequisite or Corequisite Courses: MKT 343
Additional Restrictions/Requirements: Prerequisite or co-requisite course and admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

MKT 446 - Health Care Marketing

Survey course providing a comprehensive overview of the unique aspects of medical and health care marketing environments. Emphasis is on quantitative and qualitative data to support strategic and tactical marketing recommendations regarding health care. The course examines various types of health care organizations and offers marketing solutions to providers.

Credit Hours: 3

Prerequisite Courses: MKT 340 with a minimum grade of C-.
Additional Restrictions/Requirements: Admission to Cameron School of Business
Course Repeatability: Course may not be repeated.
Major Restriction Bachelor of Science in Business Administration

MKT 447 - Services Marketing

A study of the marketing of services with emphasis on the distinctions that exist between marketing intangibles and tangible products. The managerial implications and strategies available in services marketing are also examined.

Credit Hours: 3

Prerequisite Courses: MKT 340
Additional Restrictions/Requirements: Prerequisite course and admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.

MKT 448 - Sales Management

Focus on developing and maintaining an effective sales organization. Emphasis on the role of the salesperson, motivating the sales force, and designing and implementing selling strategies.

Credit Hours: 3

Prerequisite Courses: MKT 348
Additional Restrictions/Requirements: Prerequisite course and admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.

MKT 495 - Seminar in Marketing

Special topics in marketing not addressed in depth in other courses. May be repeated under a different subtitle.

Credit Hours: 1 To 3

Prerequisite Courses: MKT 340
Additional Restrictions/Requirements: Prerequisite course and admission to Cameron School of Business.

Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6

Total: 21 semester hours

Real Estate

Take the following five courses:

FIN 331 - Real Estate

Principles of property management and practices relating to appraisal, sales, ownership, control, financing, and transfer of real property.

Credit Hours: 3

Prerequisite Courses: ACG 201 and ECN 222
Additional Restrictions/Requirements: Prerequisite courses and admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.

FIN 431 - Real Estate Investment Analysis

The decision-making process in real estate investment analysis including risk and return, financing

alternatives, tax implications, and pricing and development alternatives.

Credit Hours: 3

Prerequisite Courses: FIN 335.
Additional Restrictions/Requirements: Prerequisite course and admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.

ECN 428 - Applied Regional Analysis

Theoretical and applied analysis of patterns and trends in local, state, and regional economic growth. Use of current computer-based methods in regional economic analysis including economic impact models. Applied analysis of current regional issues and government policies to address these issues.

Credit Hours: 3

Prerequisite Courses: ECN 222.
Additional Restrictions/Requirements: Prerequisite courses and either admission to Cameron School of Business or declared minor in economics.

University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

EBD 380 - Entrepreneurship

Primary focus is understanding entrepreneurship as a process and phenomenon that occurs in many different contexts. The course approaches entrepreneurship as a way of thinking and acting, as an attitude and a behavior. Specific areas include entrepreneuriial competencies (e.g., opportunity assessment and recognition techniques) and career paths, venture typologies, as well as basics of business and economic modeling, financing, marketing, legal and IP issues.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ACG 203.
Course Repeatability: Course may not be repeated

MKT 348 - Professional Selling

Examination of the theory and practice of sales skills designed to provide a professional foundation to

students who will be involved in professional selling careers. Includes fundamentals of professional selling with an emphasis on self-confidence, persuasive presentation of ideas and products, customer orientation, and other selling behaviors.

Credit Hours: 3

Prerequisite Courses: MKT 340
Additional Restrictions/Requirements: Prerequisite course and admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.

Plus two courses from:

BAN 480 - Business and Economic Forecasting

Development of an approach to forecasting through the study of time-series techniques including moving averages, exponential smoothing, regression, and Box-Jenkins.

Credit Hours: 3

Prerequisite Courses: BAN 280
Additional Restrictions/Requirements: Prerequisite

course or consent of department chair and admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.

ECN 377 - Introduction to Econometrics and Data Analytics

Introduction to applied estimation, testing and interpretation of economic models useful for business and policy decision-making. Emphasis on applied, client-driven model formulation, data acquisition and manipulation, and model estimation using statistical regression in a desktop computing environment. Extensive practice in interpretation of results for business and policy audiences.

Credit Hours: 3

Prerequisite Courses: ECN 222 and (MAT 151 or MAT 161) and (BAN 280 or STT 215).
Additional Restrictions/Requirements: Prerequisite courses and either admission to Cameron School of Business or declared minor in economics.
Course Repeatability: Course may not be repeated.

ECN 477 - Advanced Econometrics and Research Methods

An introduction to the formalization of economic hypotheses into testable relationships and the application of appropriate statistical techniques. Theoretical aspects are covered, but primary emphasis is on computer application utilizing regression analysis.

Credit Hours: 3

Prerequisite Courses: ECN 222 and (BAN 280 or STT 215) and ECN 377.
Additional Restrictions/Requirements: Prerequisite courses and either admission to Cameron School of Business or declared minor in Economics.
University Studies: Building Competencies/Writing Intensive, Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

FIN 330 - Principles of Investments

An introduction to alternative investments, with major emphasis on financial instruments. Practical descriptive material and relevant theoretical applications. Topics include stocks, bonds, and other financial alternatives.

Credit Hours: 3

Prerequisite Courses: ACG 201 and ECN 222 and FIN 335
University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

FIN 437 - Commercial Bank Management

A study of commercial bank operations and the regulatory environment of banking. Topics will include the evolution of regulation in the United States, industry structure, analysis of bank financial statements, asset/liability management, and capital requirements.

Credit Hours: 3

Prerequisite Courses: ECN 324 and FIN 335
Additional Restrictions/Requirements: Prerequisite courses and admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.

MGT 459 - Negotiation

Study of theory, research and practice in negotiation. Topics include social dilemmas, distributive bargaining, integrative agreements, multiple-party scenarios, dispute resolution, third-party interventions and ethics. Negotiation exercises provide experience in a variety of contexts.

Credit Hours: 3

Additional Restrictions/Requirements: Admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.

MKT 349 - Consumer Behavior

Behavioral science concepts and principles and how they contribute to effective and efficient marketing activities from the perspective of the consumer, marketer and public policy maker.

Credit Hours: 3

Prerequisite Courses: MKT 340
Additional Restrictions/Requirements: Prerequisite

course and admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.

MKT 440 - Marketing Analytics

Focuses on the role of evidence-based data in decision-making and how to leverage data as a strategic asset. Emphasis on the predictive potential of data by translating vast amounts of complex data into manageable information in order to make sound decisions. The effective use of marketing metrics offers insights into customer preferences and trends and allows for the detection of patterns, the making of new associations, and the acquisition of a deeper understanding of customers.

Credit Hours: 3

Prerequisite or Corequisite Courses: MKT 343 with a grade of C- or better
Additional Restrictions/Requirements: BS Business Administration and Admission to Cameron School of Business
Course Repeatability: Course may not be repeated.
Major Restriction BS Business Administration

MKT 445 - Marketing Strategy

Concepts of Demand Analysis, formulating marketing strategy, establishing policies and procedures, coordinating marketing action, and evaluating performance.

Credit Hours: 3

Prerequisite Courses: MKT 343
Additional Restrictions/Requirements: Senior standing, prerequisite course, and completion of an additional 9 hours of upper division marketing courses.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

MKT 449 - Advanced Sales

The purpose of this class is to prepare students for an entry-level professional selling position beyond the scope of the introductory Professional Selling class. Students will gain advanced instruction and skill development in interpersonal communication skills, career management, unique value, team selling, personal productivity, negotiation, and other relevant topics.

Credit Hours: 3

Prerequisite Courses: MKT 348, MKT 340, Admission to Cameron School of Business.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6
Additional Course Fees: None

Total: 21 semester hours

Supply Chain Management

Take the following four courses:

SCM 371 - Logistics and Distribution Management

This course provides an in-depth study of a wide range of logistics and distribution issues facing managers. Topics include an analysis of the following components of a typical logistics system: customer service, logisitics system analysis, network analysis, facility planning, warehouse operations, traffic and transportation management, and distribution planning. Attention is directed toward the establishment of sustainable

competitive advantage based on transportation, logistics and distribution activities.

Credit Hours: 3

Prerequisite Courses: SCM 370
Additional Restrictions/Requirements: Prerequisite course and admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SCM 375 - Quality Management

This course introduces quantitative and qualitative concepts and applications of quality management in manufacturing and service organizations. Topics include quality design, continuous improvement, cost of quality, employee involvement in quality, team building for quality, quality circles, service quality, statistical process control, and the relationship among quality, productivity, and competitiveness.

Credit Hours: 3

Prerequisite Courses: SCM 370

Additional Restrictions/Requirements: Prerequisite course and admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SCM 472 - Project Management

This course introduces the fundamentals of project management, beginning with project definition and culminating in the post-project review. Students will learn techniques, terms and guidelines that are used to manage costs, schedules, risk, group dynamics and technical aspects throughout the life cycle of the project.

Credit Hours: 3

Prerequisite Courses: SCM 370
Additional Restrictions/Requirements: Prerequisite course and admission to Cameron School of Business.
University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SCM 475 - Advanced Supply Chain Management

This course provides a detailed analysis of the materials planning and execution systems used to manage the flow of material in service and manufacturing organizations to facilitate all stages of the supply chain. Topics include systems for demand management and forecasting techniques, inventory control systems for distribution channels, materials and capacity requirements planning systems, scheduling and order dispatching systems.

Credit Hours: 3

Prerequisite Courses: SCM 370
Additional Restrictions/Requirements: Admission to Cameron School of Business
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3
Major Restriction BS Business Administration

Plus three courses from:

(at least one course must have a SCM prefix):

BAN 306 - Communicating Data with Storytelling

This course provides an introduction as well as hands-on experience in descriptive analytics and data visualization. It introduces students to principles for creating meaningful analysis and displays of quantitative and qualitative data to facilitate managerial decision-making.

Credit Hours: 3

Prerequisite Courses: MATH 111 or MATH 150 or MATH 160
Additional Restrictions/Requirements: Admission to Cameron School of Business or declared BS Information Technology major
University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.
Major Restriction BS Business Administration or BS Information Technology

BAN 309 - Health Care Analytics

This course develops an understanding of analytics in the healthcare field. Emphasis is given to how technology and analytics impact healthcare. Analytical tools are used to solve real healthcare challenges, improve processes, and help make important healthcare business decisions.

Credit Hours: 3

Prerequisite Courses: BAN 280.
Course Repeatability: Course may not be repeated.

BAN 310 - Sports Analytics

This course introduces fundamental analytics concepts in the context of sports. A variety of sports, professional and amateur, are covered with an emphasis on using analytics techniques and tools to add value and fuel competitive advantage. Software tools will be used extensively to illustrate concepts.

Credit Hours: 3

Prerequisite Courses: BAN 280 or STT 215
Additional Restrictions/Requirements: Admission to

Cameron School of Business or declared BS Information Technology major
Course Repeatability: Course may not be repeated.
Major Restriction BS Business Administration or BS Information Technology

BAN 402 - Predictive Analytics

Leveraging data to add value to business is of critical importance in our modern society. This course will focus on the analysis of data in order to create predictions and will examine a variety of predictive techniques to extract information from data. These topics will include: multiple linear regression, logistic regression, classification, clustering, text mining, neural networks, and others. This course will also discuss the challenges presented by large datasets and describe techniques such as data cleaning and visualization.

Credit Hours: 3

Prerequisite or Corequisite Courses: BAN 305.
Prerequisite Courses: BAN 304.
Additional Restrictions/Requirements: Admission to

Cameron School of Business and student in the BAN minor.
Course Repeatability: Course may not be repeated.
Major Restriction Information Technology (IT)**Minor Restriction** Business Analytics (BAN)

BAN 403 - Optimizing Data-driven Decisions

Prescriptive Analytics deals with developing analytical models to solve business problems. Prescriptive models are used when a business needs to optimize operational decisions. The solution from these models provide the best solution (profit maximization, cost minimization, minimization of resource utilization, etc.) to the operational decision problems. Students will use MS Excel and AMPL as software tools for optimization in this course.

Credit Hours: 3

Prerequisite Courses: BAN 304.
Additional Restrictions/Requirements: Admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.

BAN 417 - Supply Chain Analytics

This course introduces students to quantitative models the firms use to manage supply and demand. Managing supply and demand involves managing customer preferences, classify suppliers and customers, optimize product pricing, and promotion strategies. The applications of the above models in the hospitality industry, broadcasting, show business are discussed.

Credit Hours: 3

Prerequisite Courses: SCM 370
Additional Restrictions/Requirements: Admission to Cameron School of Business or declared BS Information Technology major
Course Repeatability: Course may not be repeated.
Major Restriction BS Business Administration or BS Information Technology

BAN 480 - Business and Economic Forecasting

Development of an approach to forecasting through the study of time-series techniques including moving averages, exponential smoothing, regression, and Box-Jenkins.

Credit Hours: 3

Prerequisite Courses: BAN 280
Additional Restrictions/Requirements: Prerequisite course or consent of department chair and admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.

BAN 485 - Introduction to Business Simulation

Introduction to simulation models as tools in the analysis of business problems. Discrete event simulation models for production and service systems are introduced through the use of a computer simulation language.

Credit Hours: 3

Prerequisite Courses: SCM 370
Additional Restrictions/Requirements: Prerequisite course and admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.

CYBR - 437 - Supply Chain Cybersecurity

MIS 315 - Management of Database Systems

Study of the design and administration of database systems in a business environment. The relational model is used along with database management software to facilitate the communication and distribution of data and its conversion into information, with an emphasis on sound design principles. Topics include entity-relationship modeling, normalization, and the structured query language (SQL).

Credit Hours: 3

Prerequisite Courses: MIS 213 or CIT 213
Course Repeatability: Course may not be repeated.

SCM 365 - Health Care Operations Management

Application of management tools to examine the health care value chain. Topics include designing health care delivery systems, capacity planning and decision making under uncertainty, process failure, learning and improvement, and innovations in health care.

Credit Hours: 3

Prerequisite Courses: BAN 280
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SCM 372 - Service Operations Management

Study of the tools necessary to effectively manage a service organization. Particular attention will be paid to subtle relationships among the systems, strategy, and technology that define service delivery systems and their implications for customer satisfaction and profitability. Topics include service strategy and market position, role of the information resource, the service delivery system, service facility location, service quality, and managing supply and demand.

Credit Hours: 3

Prerequisite Courses: SCM 370
Additional Restrictions/Requirements: Prerequisite course and admission to Cameron School of Business.
University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SCM 374 - Introduction to Six Sigma

This course covers the complete Six Sigma Green Belt body of knowledge. Through lectures, applications and case studies, the course focuses on the background, value proposition, methodology, techniques and statistical tools of Six Sigma.

Credit Hours: 3

Prerequisite Courses: SCM 370
Additional Restrictions/Requirements: Prerequisite course and admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SCM 376 - Transportation Management

This course develops an understanding of the strategic role of freight transportation systems in supply chain networks. Emphasis is given to the components of transportation systems, including their technological features, operational processes, and cost conditions, the buyer-seller channels for acquiring transportation services, and the strategic and tactical alternatives for transport procurement.

Credit Hours: 3

Prerequisite Courses: SCM 370
Additional Restrictions/Requirements: Prerequisite course and admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SCM 377 - International Operations Management

A study of global operations and logistics in the manufacturing and service sectors. Topics include organization of global operations, global manufacturing, global sourcing and logistics, global technology transfer, global risk management, and cultural and national comparisons of operations management practices. Case studies are used.

Credit Hours: 3

Prerequisite Courses: INB 300 and SCM 370
Additional Restrictions/Requirements: Prerequisite courses and admission to Cameron School of

Business.
University Studies: Approaches and Perspectives/Living in a Global Society, Building Competencies/Writing Intensive
Crosslisting: INB 377
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SCM 378 - Product and Service Development

This course provides basic product/service development concepts, a knowledge base for conversing with those familiar with product/service concepts, and builds both quantitative and qualitative analysis skills needed for designing and developing products and services.

Credit Hours: 3

Prerequisite Courses: SCM 370
Additional Restrictions/Requirements: Prerequisite course and admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SCM 379 - Procurement Management

This course provides an in-depth study of the concepts, methods, and responsibilities of the purchasing function for manufacturing and service organizations. Topics include the organization role of purchasing, strategic sourcing, contract and pricing practices, negotiation, quality assurance and reliability, inventory management, lean purchasing, make-or-buy decisions, and the acquisition of transportation and other services.

Credit Hours: 3

Prerequisite Courses: SCM 370
Additional Restrictions/Requirements: BS Business Administration and admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3
Major Restriction BS Business Administration

SCM 476 - Sustainable Supply Chain Systems

This course focuses on analyzing the implications of environmental considerations in logistics decisions. The course stresses learning how businesses can succeed while tackling sustainability challenges, emphasizing

the fundamental tools and techniques required for analyzing and designing environmentally sustainable supply chain systems. The course covers carbon footprint, sustainable logistics, closed-loop supply chains, reverse logistics and sustainable supply chain strategy. Students work on a team project that evaluates the sustainable supply chain strategy of an industry or a publicly traded company.

Credit Hours: 3

Prerequisite Courses: SCM 370
Additional Restrictions/Requirements: Prerequisite course and admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SCM 477 - Operations Planning and Scheduling

Application of scheduling in manufacturing and service organizations. Topics include machine scheduling, job shop scheduling, project scheduling, flexible assembly system scheduling, lot sizing and scheduling, interval scheduling, and personnel scheduling.

Credit Hours: 3

Prerequisite Courses: SCM 370
Additional Restrictions/Requirements: Prerequisite course and admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SCM 478 - Supply Chain Modeling and Analysis

This course is designed to provide students with the conceptual tools to understand the structure and dynamics of complex systems by integrating performance measurement and modeling simulation methodologies. It provides the students with the solid understanding needed to effectively apply strategic management tools and techniques for increased performance and competitive advantage in businesses. Ultimately, it will prepare them to become effective systems analysts in the field.

Credit Hours: 3

Prerequisite Courses: SCM 370
Additional Restrictions/Requirements: Prerequisite

course and admission to CSB.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SCM 495 - Seminar in Operations Management

This course may be repeated under a different subtitle.

Credit Hours: 1 To 3

Additional Restrictions/Requirements: Junior or senior standing, consent of the department chair and admission to Cameron School of Business.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

SCM 498 - Internship in Operations Management

Involves the application of quantitative and systems skills developed in the academic environment to problems in a real-world operating environment. The participant will receive practical training and experience under the guidance of the staff of a local business or government organization and a faculty supervisor. Available internships are filled on a competitive basis.

Credit Hours: 1 To 6

Additional Restrictions/Requirements: Consent of faculty supervisor and admission to Cameron School of Business.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6

Total: 21 semester hours

General Business Option for Nontraditional Students:

Nontraditional students who are unable to satisfy the requirements of the other business concentrations because of their full-time occupation may, with prior approval of the Dean's Office, select seven three-credit hour CSB undergraduate courses numbered 300 and above. A grade of C- or better is required in the 21 hours of coursework approved for the track. Students who pursue the general business track may not complete a second concentration.

Transatlantic Business School Alliance (TABSA)-International Dual Degree Program

The Transatlantic Business School Alliance (TABSA) program is a dual degree program designed for those students who have a high proficiency in a foreign language and are seeking career opportunities in international business. Upon completion of the program the student will receive a B.S. degree in business administration from UNCW as well as a business degree from the TABSA host institution. Currently UNCW has four host institutions, (1) KEDGE in Marseille, France that awards the International BBA, (2) Hochschule Bremen in Bremen, Germany that awards a Diplom-Kauffrau/Kaufmann (FH), (3) Hertfordshire in London, UK that awards the B.A. Honours International Business, and (4) the University of Valencia, Spain that awards the Graduato Europeo en Direccion de Empresas (GEDE). Students in the program pay tuition and fees to UNCW. Transportation, housing and other living costs are the responsibility of the student. Students electing to enter the Transatlantic Business School Alliance (TABSA)-International Dual Degree Program must complete the required coursework at UNCW and meet admission requirements for the

Cameron School of Business, approximately 70-79 credit hours in their two years at UNCW. The last two years of study will be completed at a TABSA European member institution. TABSA students studying at our partners in France, Spain, or Germany are required to complete an internship. At completion, students receive a Bachelor of Science in business degree from UNCW as well as the partner institution's equivalent degree. Successful completion of the International Dual Degree Program requires a highly structured program of study beginning in the freshman year at UNCW.

Courses which must be completed at UNCW may include:

ENG 103 - College Writing and Reading (Advanced)

College-level writing and reading for advanced students. Extensive practice in composing processes and in gathering, analyzing, synthesizing, and documenting information from sources.

Credit Hours: 3

Additional Restrictions/Requirements: Special

competence demonstrated in an English placement test, Advanced Placement test, or CLEP test.
University Studies: Foundations/Composition, Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

At least four semesters of foreign language designated by the host institution to include two 300 or higher level courses;

HST 102 - Europe in the World II

Introduction to modern European history. Examination of Europe's transformations and global interactions through the discussion of significant events, groups, and individuals that contributed to developments such as the French Revolution and the rise of democracy, the Industrial Revolution and the modern economy, world wars and dictatorships.

Credit Hours: 3

University Studies: Approaches and Perspectives/Historical and Philosophical Approaches, Approaches and Perspectives/Living in a Global

Society
Course Repeatability: Course may not be repeated.

MAT 151 - Basic Calculus with Applications I

Intended for majors that emphasize techniques and applications. Study of linear and nonlinear functions, differentiation with applications, Riemann sums, integration, and the Fundamental Theorem of Calculus.

Credit Hours: 3

Prerequisite Courses: MAT 111 or MAT 150 or MAT 160, or satisfactory performance on the UNCW mathematics placement test.
University Studies: Foundations/Mathematics and Statistics, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

PAR 202 - Modern Philosophy: Descartes to Kant

Introduction to the major topics of Western philosophy during the modern period, including skepticism, the existence of God, and the source of our ideas. Analysis of the thought of philosophers such as Descartes,

Elizabeth of Bohemia, Locke, Berkeley, Leibniz, Hume, and Kant.

Credit Hours: 3

University Studies: Approaches and Perspectives/Historical and Philosophical Approaches, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

WPA 101 - Wellness and Physical Activity

Introduces students to the fundamental concepts and practical experiences associated with the physical, emotional, intellectual, social and spiritual components of wellness. Promotes behavioral changes to enhance well-being and lifelong maintenance of personal health and fitness. Lecture and physical activity/lab are required components. Prerequisite for online lab sections: Permission of instructor.

Credit Hours: 1

Prerequisite or Corequisite Courses: WPAL 101
Additional Restrictions/Requirements: Prerequisite

for ext online lecture section: Extension student status.
University Studies: Lifetime Wellness
Course Repeatability: Course may not be repeated.

WPAL 101 - WPAL 101 - Wellness and Physical Activity Lab - Olsen

Participation in physical activity, increased awareness and development of using physical activity to enhance all aspects of well-being, increased awareness and development of a well-rounded lifestyle. Physical Activity and Wellness LAB is a 1-credit course. The purpose of this course is threefold: 1) to provide you with instruction and guidance during participation in lifetime physical activities (i.e., cardiovascular, resistance and flexibility) to improve your fitness, health and wellness, 2) to recognize the multidimensional nature of wellness and its reciprocal relationship with physical activity, and 3) to enhance self-awareness and self-management skills associated with lifelong physical activity. Course activities and assignments are specifically designed to improve your knowledge, beliefs, motivations, skills, and behaviors to aid in your lifetime journey of being active.

Credit Hours: 1

Prerequisite or Corequisite Courses: WPA 101
Additional Restrictions/Requirements: Prerequisite for online lecture/lab sections: Extension student status. Prerequisite for online lab sections: Permission of instructor.
University Studies: Lifetime Wellness
Course Repeatability: Course may not be repeated.

A life science and a physical science (one must be a lab course), (7 hours total)*; A literature course*; A fine arts course*;

ECN 221 - Principles of Economics-Micro

Analysis of decision-making processes and economic equilibrium for the individual firm and consumer at an introductory level.

Credit Hours: 3

Prerequisite Courses: MAT 111 or MAT 150 or MAT 151 or MAT 160 or MAT 161
University Studies: Approaches and

Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

ECN 222 - Principles of Economics-Macro

Aggregate economic analysis examining the effects of fiscal and monetary policy upon aggregate employment, income and prices at an introductory level.

Credit Hours: 3

Prerequisite Courses: ECN 221
University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.

ACG 201 - Financial Accounting

An introduction to the basic framework of accounting for students majoring in accountancy or other disciplines. Includes preparation of financial records and external financial reports. Emphasis on the

underlying accounting concepts and constraints. The lab for this course is ACGL 201.

Credit Hours: 3

Corequisite Courses: ACGL 201
Prerequisite Courses: MAT 111 or MAT 150 or MAT 160
Course Repeatability: Course may not be repeated.

ACGL 201 - Financial Accounting Lab

This course is the lab for ACG 201.

Credit Hours: 1

Corequisite Courses: ACG 201
Course Repeatability: Course may not be repeated.

ACG 203 - Managerial Accounting

An introduction to the concepts and techniques used by management to analyze and interpret accounting data in the organization.

Credit Hours: 3

Prerequisite Courses: ACG 201 and ACGL 201
Course Repeatability: Course may not be repeated.

BAN 280 - Statistical Analysis for Business and Economics

Classification and presentation of business and economics data, probability and expected value, statistical inference, simple linear regression and correlation analysis.

Credit Hours: 3

Prerequisite Courses: MAT 111 or MAT 150.
University Studies: Foundations/Mathematics and Statistics
Course Repeatability: Course may not be repeated.

BLA 361 - Legal Environment of Business

Study of the organization and role of business enterprises in society and their relationships in government. Examines how the legal environment is influenced by changing social and ethical values. Topics include agency, antitrust, forms of business

organization, environmental regulation, equal opportunity, labor law, product liability, and property rights.

Credit Hours: 3

Additional Restrictions/Requirements: Junior or senior standing, or admission to the Cameron School of Business, or students in the Accountancy and Business Law minor, or consent of department chair.
Course Repeatability: Course may not be repeated.

BUS 498 - Internship in Business

The chairperson may consider grade point average and individual course grades as they pertain to the internship being considered.

Credit Hours: 1 To 6

Additional Restrictions/Requirements: Junior or senior standing, consent of department chairperson, and admission to Cameron School of Business.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6

Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

FIN 335 - Principles of Financial Management

An introduction to the finance function of business enterprise and to the analytical techniques used in making investment and financing decisions.

Credit Hours: 3

Prerequisite Courses: Prerequisite ACG 201, ECN 222 and (BAN 280 or STT 215); or prerequisite STT 315 and corequisite MAT 381.
Course Repeatability: Course may not be repeated.

MGT 350 - Principles of Management

Study of theories, research and concepts underlying the structure and processes of complex organizations. Emphasis on problem solving issues and applications in organization design, leadership, motivation and interpersonal communications.

Credit Hours: 3

Additional Restrictions/Requirements: Sophomore standing or admission to the Cameron School of Business.
University Studies: Approaches and Perspectives/Living in Our Diverse Nation, Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.

MKT 340 - Principles of Marketing

Introduction to the concepts, activities and decisions that relate to the marketing function in domestic and international business. Focus on development and implementation of marketing strategies through the use of marketing mix variables of product, price, distribution, and promotion.

Credit Hours: 3

Additional Restrictions/Requirements: Sophomore standing or admission to the Cameron School of Business.
Course Repeatability: Course may not be repeated.

Note:

(* Indicates UNCW University Studies Program courses.) Students wishing to participate in the program should obtain a list of the specific courses to be taken at UNCW and the host institution from the Cameron School of Business Academic Advising & Career Success Center.

Chemistry, B.A.

The Department of Chemistry and Biochemistry offers two programs leading to undergraduate degrees in chemistry. The Bachelor of Science degree, certified by the American Chemical Society, prepares students intending to pursue a graduate degree or a career in chemistry. The Bachelor of Arts degree provides a broad chemistry-based background in preparation for a chemistry-related career or for those planning to teach chemistry. The minor in chemistry is designed for students who are majoring in other disciplines but would like additional coursework in chemistry.

Oral Communication Requirement:

To satisfy the oral communication requirement for the B.S. or B.A. degree in Chemistry a student must successfully complete CHM 495.

Applied Learning Requirement:

To satisfy the applied learning requirement for the B.A. or B.S. degree in Chemistry a student must successfully complete CHM 495.

Requirements for a Major in Chemistry for the B.A. Degree:

BIO 201 - Principles of Biology: Cells

Introduction to principles governing living systems, especially the cellular and molecular basis of life and the transmission and utilization of genetic information. The lab for this course is BIOL 201.

Credit Hours: 3

Prerequisite or Corequisite Courses: BIOL 201
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

BIOL 201 - Principles of Biology: Cells Laboratory

Introduction to basic cell biology sampling techniques and data analysis. Experience in laboratory approaches to introduce basic investigative skills and methods of biological inquiry. This course is the lab for BIO 201.

Credit Hours: 1

Prerequisite or Corequisite Courses: BIO 201
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

CHM 101 - General Chemistry I

Overview of the fundamental laws, principles and theories of chemistry. A 'C' or better in CHM 101 is required to take certain advanced courses in chemistry.

Credit Hours: 3

Corequisite Courses: CHML 101.
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural

World
Course Repeatability: Course may not be repeated.

CHML 101 - General Chemistry Laboratory I

Introduction to general chemistry laboratory techniques. This course is the lab companion course for general chemistry lecture CHM 101.

Credit Hours: 1

Corequisite Courses: CHM 101.
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

CHM 102 - General Chemistry II

Study of the fundamental laws, principles and theories of chemistry. Introduction to inorganic chemistry. Interpretation of experimental results. A 'C' or better in CHM 102 is required to take certain advanced courses in chemistry.

Credit Hours: 3

Corequisite Courses: CHML 102.
Prerequisite Courses: CHM 101 and CHML 101.
Course Repeatability: Course may not be repeated.

CHML 102 - General Chemistry Laboratory II

Introduction to techniques and equipment used in the chemical laboratory. Interpretation of experimental results. This course is the lab for CHM 102 .

Credit Hours: 1

Corequisite Courses: CHM 102.
Prerequisite Courses: CHML 101, CHM 101.
Course Repeatability: Course may not be repeated.

CHM 211 - Organic Chemistry I

Introduction to the chemistry of carbon compounds, including structure, reactions, mechanisms, and the concepts of organic synthesis. It is strongly recommended that students take the lab (CHML 211) concurrently with the lecture. The lab for this course is CHML 211.

Credit Hours: 3

Prerequisite Courses: CHM 102
Course Repeatability: Course may not be repeated.

CHM 212 - Organic Chemistry II

Reactions and reaction mechanisms of organic compounds. A 'C' or better in CHM 212 is required to take certain advanced courses in chemistry. The lab for this course is CHML 212. It is strongly recommended that students take the lab (CHML 212) concurrently with the lecture.

Credit Hours: 3

Prerequisite Courses: CHM 211 with a minimum grade of C
Course Repeatability: Course may not be repeated.

CHML 211 - Organic Chemistry Laboratory I

Introduction to reactions of organic compounds and basic laboratory techniques. This course is the lab for CHM 211.

Credit Hours: 1

Prerequisite or Corequisite Courses: CHM 211.
Prerequisite Courses: CHML 102
Course Repeatability: Course may not be repeated.

CHML 212 - Organic Chemistry Laboratory II

Reactions of organic compounds and the use of spectroscopic methods in the laboratory. This course is the lab for CHM 212.

Credit Hours: 1

Prerequisite Courses: Prerequisite:CHML 211. Prerequisite or corequisite: CHM 212.
Course Repeatability: Course may not be repeated.

CHM 220 - Physical and Quantitative Methods in Chemistry

Physical and quantitative methods in chemistry is an introductory course that surveys important physical and quantitative tools used in chemistry. Quantitative physical and mathematical methods are absolutely necessary to explore important concepts in in

chemistry. This course aims to teach chemistry majors how to apply the available physical and quantitative tools to chemistry using examples and problems from various areas in chemistry, such as physical, biological and analytical chemistry. The course starts from a review of basic calculus and then covers more advanced topics.

Credit Hours: 3

Prerequisite Courses: (MAT 152 or MAT 162) and (PHY 101 or PHY 201) and (CHM 102 and CHML 102).
Course Repeatability: Course may not be repeated.

CHM 235 - Quantitative Analysis

Data analysis and statistical methods; chemical equilibrium and analytical applications; volumetric analysis and spectrophotometry; acid-base chemistry; activities and other topics as time permits. Normally taken concurrently with CHML 235. The lab for this course is CHML 235.

Credit Hours: 3

Prerequisite Courses: CHM 101 and CHML 101, and CHM 102 and CHML 102 with a minimum grade of C.
Course Repeatability: Course may not be repeated.

CHML 235 - Quantitative Analysis Laboratory

Laboratory techniques in classical and modern chemical analysis, including volumetric analysis, chromatography, and spectrophotometry. Application of statistical methods to laboratory data. Chemical equilibrium. This course is the lab for CHM 235.

Credit Hours: 1

Prerequisite or Corequisite Courses: CHM 235.
Course Repeatability: Course may not be repeated.

CHM 312 - Advanced Techniques Organic Chemistry

Theory and practice of chromatographic methods of separation and spectroscopic methods of identification.

Credit Hours: 2

Prerequisite Courses: CHM 212 with a minimum grade of C.
Course Repeatability: Course may not be repeated.

CHM 320 - Physical Chemistry I: Quantum Chemistry and Spectroscopy

Overview of topics in physical chemistry stressing fundamental concepts in quantum chemistry, statistical mechanics and spectroscopy. The lab for this course is CHML 320.

Credit Hours: 3

Prerequisite or Corequisite Courses: CHM 220.
Prerequisite Courses: CHM 102 and CHML 102 and (PHY 101 or PHY 201) and (MAT 151 and MAT 152) or (MAT 161 and MAT 162)
Course Repeatability: Course may not be repeated.

CHM 350 - Introduction to Chemical Research

Introduction to chemical investigation, including use of the chemical literature, experimental design, proposal preparation, and communication of findings.

Credit Hours: 1

Prerequisite Courses: CHM 211 or CHM 235.
University Studies: Building Competencies/Writing Intensive, Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.
Major Restriction Biochemistry B.S., Chemistry B.S., or Chemistry B.A.

CHM 365 - Biochemistry I

The structures of macromolecules, amino acids and vitamins, and the chemical principles governing their actions. Solution properties of macromolecules, enzyme kinetics and mechanisms, and metabolic regulation, emphasizing organic/physical chemistry. Basics of nucleic acids and biological transfer information.

Credit Hours: 3

Prerequisite Courses: BIO 201 and CHM 212.
University Studies: Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

CHM 445 - Inorganic Chemistry

Study of periodic relationships; crystal lattice theory; transition metals and ions; crystal field theory; organometallic structures and reactions; and reaction mechanisms. The lab for this course is CHML 445.

Credit Hours: 3

Prerequisite Courses: CHM 320 with a minimum grade of C and CHM 350 with a minimum grade of C
Course Repeatability: Course may not be repeated.

CHM 495 - Senior Seminar

Discussion of selected topics.

Credit Hours: 1

Prerequisite Courses: CHM 350
Additional Restrictions/Requirements: 25 semester hours of chemistry courses including prerequisite course.
University Studies: Explorations Beyond the Classroom, Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

MAT 161 - Calculus with Analytical Geometry I

Calculus of a single variable intended for students in the mathematical and natural sciences. Functions and limits; differentiation with applications including maxima and minima, related rates, and approximations; theory of integration with applications; and transcendental functions.

Credit Hours: 4

Prerequisite Courses: MAT 112 or MAT 160, or satisfactory performance on the UNCW mathematics placement test.
University Studies: Foundations/Mathematics and Statistics, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

MAT 162 - Calculus with Analytical Geometry II

The second course in a three-course sequence. Further techniques and applications of integration; infinite sequences and series; conic sections, parametrized curves and polar coordinates; and, elementary differential equations.

Credit Hours: 4

Prerequisite Courses: MAT 161.
University Studies: Foundations/Mathematics and Statistics, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

or

MAT 151 - Basic Calculus with Applications I

Intended for majors that emphasize techniques and applications. Study of linear and nonlinear functions, differentiation with applications, Riemann sums, integration, and the Fundamental Theorem of Calculus.

Credit Hours: 3

Prerequisite Courses: MAT 111 or MAT 150 or MAT 160, or satisfactory performance on the UNCW mathematics placement test.
University Studies: Foundations/Mathematics and Statistics, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

MAT 152 - Basic Calculus with Applications II

Intended for majors that emphasize techniques and applications. The second course in a two-course sequence. Topics to include further techniques and applications of integration and multivariable calculus including trigonometric functions, differential equations, probability, and sequences & series.

Credit Hours: 3

Prerequisite Courses: MAT 151 and (MAT 112 or MAT 160).
University Studies: Foundations/Mathematics and Statistics, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

PHY 101 - Elementary College Physics I

First semester of a two semester algebra-based introduction to the fundamental principles of physics. Topics include kinematics, Newtonian statics and dynamics, gravitation, oscillations, and mechanical waves.

Credit Hours: 4

Prerequisite or Corequisite Courses: MAT 111 or MAT 112 or MAT 150 or MAT 151 or MAT 160 or MAT 161
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

PHY 102 - Elementary College Physics II

Second semester of a two semester algebra-based introduction to the fundamental principles of physics. Topics include electric and magnetic fields, circuits, electromagnetic waves, and optics.

Credit Hours: 4

Prerequisite Courses: PHY 101
Course Repeatability: Course may not be repeated.

or

PHY 201 - General Physics I

First semester of a two semester calculus-based introduction to the fundamental principles of physics for the physical and mathematical sciences. Topics include

kinematics, Newtonian statics and dynamics, gravitation, oscillations, and mechanical waves.

Credit Hours: 4

Prerequisite or Corequisite Courses: MAT 161
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

PHY 202 - General Physics II

Second semester of a two semester calculus-based introduction to the fundamental principles of physics for the physical and mathematical sciences. Topics include electric and magnetic fields, circuits, Maxwell's equations, electromagnetic waves, and optics.

Credit Hours: 4

Prerequisite or Corequisite Courses: MAT 162
Prerequisite Courses: PHY 201
Course Repeatability: Course may not be repeated.

And at least seven semester hours including one laboratory course from:

CHML 312 - Advanced Techniques of Organic Chemistry Laboratory

Advanced laboratory techniques for the synthesis, purification, and identification of organic compounds using chromatographic and spectroscopic methods including HPLC, GC-MS, UV-Vis, IR, and NMR. This course is the lab for CHM 312.

Credit Hours: 2

Prerequisite or Corequisite Courses: CHM 312.
Prerequisite Courses: CHML 212.
Course Repeatability: Course may not be repeated.

CHML 320 - Physical Chemistry Laboratory I

Laboratory course that will reinforce the concepts of quantum chemistry learned in the accompanying lecture course (CHM 320). Writing intensive course with a focus on writing laboratory reports in professional fashion. This course is the lab for CHM 320.

Credit Hours: 1

Prerequisite or Corequisite Courses: CHM 320.
University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

CHM 321 - Physical Chemistry II: Thermodynamics and Kinetics

An overview of topics in physical chemistry stressing fundamental concepts in thermodynamics and kinetics. The lab for this course is CHML 321.

Credit Hours: 3

Prerequisite Courses: CHM 320.
Course Repeatability: Course may not be repeated.

CHML 321 - Physical Chemistry Laboratory II

This course is the lab for CHM 321.

Credit Hours: 1

Prerequisite Courses: Prerequisite or corequisite: CHM 321.
University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

CHM 325 - Biophysical Chemistry

Introduction to the fundamentals of thermodynamics and kinetics in the context of biochemical systems. A brief review of the structures of proteins, nucleic acids and membranes followed by a treatment of the thermodynamics and kinetics of binding reactions and phase transitions involving these macromolecules and assemblies. CHML 325 is the laboratory course for CHM 325.

Credit Hours: 3

Prerequisite Courses: BIO 201, CHM 211, CHM 220.
Course Repeatability: Course may not be repeated.

CHML 325 - Biophysical Chemistry Laboratory

Essential experimental approaches used in the study of proteins, lipids, and nucleic acids, and their

interactions. The molecular structure, thermodynamics and kinetics of binding reactions, phase transitions, and other processes involving these macromolecules will be studied using calorimetry and modern spectroscopic methods.

Credit Hours: 1

Prerequisite or Corequisite Courses: CHM 325.
Prerequisite Courses: CHM 220.
Course Repeatability: Course may not be repeated.

CHML 365 - Biochemistry Laboratory

Theory and practice of biochemical techniques. Topics may include protein assays, protein purification, electrophoresis, enzyme kinetics, HPLC or proteins, buffers and pH, DNA isolation, and molecular visualization and modeling.

Credit Hours: 2

Prerequisite or Corequisite Courses: CHM 365.
Prerequisite Courses: CHML 212.
Course Repeatability: Course may not be repeated.

CHM 377 - Environmental Chemistry

Introduction to the chemistry of air, soil, and natural waters. Processes of environmental degradation, cleanup, and pollution prevention. Selected current topics. The lab for this course is CHML 377.

Credit Hours: 3

Prerequisite Courses: CHM 102 and CHML 102.
Course Repeatability: Course may not be repeated.

CHM 380 - Forensic Chemistry

Theory and applications of trace organics and metals analyses, fiber and polymer analyses, toxicology, serology, drug and DNA chemistry, fingerprinting techniques, and chain of custody procedures. The optional 3-hour laboratory (CHML 380) may be registered for separately.

Credit Hours: 3

Prerequisite Courses: CHM 211 and CHML 211
Course Repeatability: Course may not be repeated.

CHML 380 - Forensic Chemistry Laboratory

Laboratory techniques in forensic chemistry, including analyses of trace organics, metals and analyses, fibers and polymers; toxicology; serology; drug and DNA chemistry; fingerprinting; and chain of custody procedures.

Credit Hours: 1

Prerequisite or Corequisite Courses: CHM 380.
Prerequisite Courses: CHM 211 and CHML 211.
Course Repeatability: Course may not be repeated.

CHM 415 - Physical Organic Chemistry

Theoretical and physical organic chemistry, including chemical bonding, stereochemistry and conformational analysis with applications to selected reaction mechanisms.

Credit Hours: 3

Prerequisite Courses: CHM 212.
Course Repeatability: Course may not be repeated.

CHM 417 - Medicinal Chemistry

Study of the principles involved in, and the multidisciplinary nature of, modern drug design. Focus on chemical and biological principles that are fundamental to medicinal chemistry and on understanding how and why certain chemicals interact at biological targets.

Credit Hours: 3

Prerequisite or Corequisite Courses: CHM 365 or BIO 465
Prerequisite Courses: CHM 212
Crosslisting: CHM 517
Course Repeatability: Course may not be repeated.

CHM 425 - Computational Chemistry

Theory and hands-on training of basic computational chemistry; including molecular mechanics, semi-empirical and ab initio molecular orbit theory, density functional theory, and molecular dynamics.

Credit Hours: 3

Prerequisite Courses: CHM 320.
Course Repeatability: Course may not be repeated.

CHM 435 - Instrumental Analysis

Study of modern analytical instrumentation and techniques. Emphasis on spectroscopic, separation, electrochemical, and materials analysis techniques.

Credit Hours: 3

Corequisite Courses: CHML 435.
Prerequisite Courses: CHM 235 and CHML 235 and CHM 312 with grades of "C-" or better, and PHY 102 or PHY 202.
Course Repeatability: Course may not be repeated.

CHML 435 - Instrumental Analysis Lab

Theory and application of modern analytical instrumentation and techniques. Emphasis on atomic spectroscopy, molecular spectroscopy, chromatography, electrochemistry, mass spectrometry, statistical analysis, report writing, and laboratory safety.

Credit Hours: 2

Corequisite Courses: CHM 435.
Prerequisite Courses: CHML 235
Course Repeatability: Course may not be repeated.

CHML 445 - Inorganic Synthesis Laboratory

Synthesis and techniques in inorganic chemistry. Normally taken concurrently with CHM 445. This course is the lab for CHM 445.

Credit Hours: 1

Prerequisite or Corequisite Courses: CHM 445.
Course Repeatability: Course may not be repeated.

CHM 461 - Biochemistry of Immunity

Introduction to the reactions underlying the immune response, emphasizing biochemical principles. The principles underlying the innate and adaptive immune systems, and the structure and function of the molecules involved. Exploration of the functional immune system as a coordinated collective of individual components.

Credit Hours: 3

Prerequisite Courses: CHM 365.
Course Repeatability: Course may not be repeated.

CHM 462 - Biochemistry of Cell Signaling

Introduction to the general principles of cell signaling. The molecules responsible for signaling processes will be discussed, including synthetic or natural product molecules which affect cell signaling. Specific examples may be discussed including neurotransmission, metabolic regulation, and targeting of cell signaling proteins for therapeutic benefit.

Credit Hours: 3

Prerequisite Courses: CHM 365.
Course Repeatability: Course may not be repeated.

CHM 463 - Peptide Synthesis

Exploration of peptide synthesis techniques, covering both solution-phase and solid-phase (on-resin) methods. Includes discussions on amino acid coupling strategies, protecting group approaches, activation

processes, peptide synthesizers, and ligation techniques. Prepares students for practical applications in biochemical research, drug design, and protein chemistry by examining current methodologies and challenges in peptide assembly.

Credit Hours: 3

Prerequisite Courses: CHM 365
Course Repeatability: Course may not be repeated.

CHM 466 - Biochemistry II

Examination of bioenergetics, structure and function of biomembranes, biosynthesis, degradation of fatty acids, amino acids, and nucleotides, integration of metabolism, signal transduction, and the action of hormones. Consideration of the structure and enzymology of DNA and RNA, genetic information, protein biosynthesis, and gene regulation.

Credit Hours: 3

Prerequisite Courses: CHM 365 or BIO 465.
Course Repeatability: Course may not be repeated.

CHM 467 - Bioinorganic Chemistry

Exploration of the roles that metal ions play in biochemical systems, bridging the gap between inorganic chemistry and biochemistry and providing a comprehensive understanding of how metals contribute to the structure and function of biomolecules. Examines the principles of coordination chemistry, the function of metalloenzymes, and the application of various spectroscopic techniques to study metal-containing biomolecules.

Credit Hours: 3

Prerequisite Courses: CHM 220 and CHM 365
Crosslisting: CHM 567
Course Repeatability: Course may not be repeated.

CHM 468 - Structure and Function of Nucleic Acids

Study of the structure of DNA and RNA, the denaturation and renaturation of DNA and RNA, DNA techniques including cloning, the central dogma (including DNA replication, transcription and translation), and DNA-Protein interactions.

Credit Hours: 3

Prerequisite Courses: CHM 365
Course Repeatability: Course may not be repeated.

CHML 468 - Plasmid Design and Production

Study of advanced experimental skills for constructing, producing, and purifying plasmids used in the synthesis of biological macromolecules. Students will learn to design plasmids for the expression of recombinant proteins, in-vitro transcription of mRNAs, and the production of viral vectors. Course topics include DNA cloning techniques and plasmid production methods.

Credit Hours: 1

Prerequisite Courses: CHM 365 and CHML 365
Course Repeatability: Course may not be repeated.

CHM 469 - Enzymology

Investigation of enzyme mechanisms and their regulation. Exploration of the theoretical and practical

aspects of studying enzymes and their biological implications. A particular focus will be placed on binding, steady-state kinetics, transient kinetics, allosteric regulation, and inhibition.

Credit Hours: 3

Prerequisite Courses: CHM 365, CHM 220.
Course Repeatability: Course may not be repeated.

CHM 475 - Chemical Oceanography

Introduction to chemical oceanography, including discussion of sources, distribution, forms of occurrence of chemical species in seawater; chemistry of salty solutions; air-sea interactions; marine carbonate system; organic compounds and trace elements in seawater; estuarine chemistry.

Credit Hours: 3

Prerequisite Courses: Prerequisite: CHM 102 and CHML 102. Recommended prerequisite or corequisite: CHM 235 and OCN 150.
Course Repeatability: Course may not be repeated.

CHM 480 - Chemistry Education Research and Practice

Selected topics from chemistry education research. Focus on current research about learning theories, epistemology, representations of chemical structure, technology use in the chemistry classroom, and laboratories.

Credit Hours: 3

Prerequisite Courses: CHM 212
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Crosslisting: CHM 580
Course Repeatability: Course may not be repeated.

CHM 485 - Industrial and Polymer Chemistry

An overview of major industrial processes, the synthesis and significance of major industrial chemicals. Polymer chemistry to include synthesis, properties, and applications is covered. Some specialty topics such as pharmaceutical chemistry and agricultural chemistry are also briefly covered.

Credit Hours: 3

Prerequisite Courses: CHM 212 with a minimum grade of C
Course Repeatability: Course may not be repeated.

CHM 486 - Fundamentals of Heterocycles with Emphasis on Pharmaceuticals

Well over half of all known organic compounds and most pharmaceuticals are heterocyles (containing an atom other than C in the ring), yet their chemistry is hardly touched on in conventional courses. Topics include the nomenclature, properties, synthesis, and pharmaceutical applications of heterocycles.

Credit Hours: 3

Prerequisite Courses: CHM 212 with a minimum grade of C
Course Repeatability: Course may not be repeated.

CHM 490 - Special Topics In Chemistry

Selected topics in chemistry that are beyond the scope of regular course offerings.

Credit Hours: 1 To 3

Additional Restrictions/Requirements: Junior or senior standing and consent of instructor.
Crosslisting: CHM 592
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6 **Repeat Limit:** 1

CHM 291 - Introductory Research

Laboratory and computational research under faculty supervision beyond what is offered in existing courses.

Credit Hours: 1 To 3

Additional Restrictions/Requirements: Freshman, sophomore, junior, or senior standing and consent of instructor and department chair.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6

CHM 491 - Directed Individual Study

Involves investigation under faculty supervision beyond what is offered in existing courses. For further

information, consult the Enrichment Courses and Programs section in this catalogue.

Credit Hours: 1 To 3

Additional Restrictions/Requirements: Junior or senior standing, overall GPA of at least 2.00, and consent of instructor, department chair and dean.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

CHM 498 - Internship In Chemistry

Practical field experience and academic training related to the student's principal area of interest through a program of work and study within a business or agency. Student is supervised and evaluated jointly by a chemistry faculty member and an on-site supervisor. (Only three hours may count toward a major in chemistry.)

Credit Hours: 1 To 3

Prerequisite Courses: CHM 212 and CHML 212 and CHM 235 and CHML 235

Additional Restrictions/Requirements: Prerequisite course, junior or senior standing, consent of instructor; and GPA of at least 2.80 in chemistry.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12
Additional Course Fees: Student Blanket Professional Liability Insurance Additional Course Fee Schedule

CHM 499 - Honors Work in Chemistry

Independent study for honors students.

Credit Hours: 2 To 3

Additional Restrictions/Requirements: Junior or senior standing.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6

Note:

**A student may only count a total of 3 credit hours of CHM 291, CHM 491, CHM 498, and CHM 499 toward the major.

Total: 61 - 63 hours

Interest Areas:

Consult with your advisor about recommended courses for particular interest areas.

Additional Information:

An overall grade point average of "C" (2.00) is required in all chemistry courses counted toward the major.

Chemistry, B.S.

The Department of Chemistry and Biochemistry offers two programs leading to undergraduate degrees in chemistry. The Bachelor of Science degree, certified by the American Chemical Society, prepares students intending to pursue a graduate degree or a career in chemistry. The Bachelor of Arts degree provides a broad chemistry-based background in preparation for a chemistry-related career or for those planning to teach chemistry. The minor in chemistry is designed for students who are majoring in other disciplines but would like additional coursework in chemistry.

Oral Communication Requirement:

To satisfy the oral communication requirement for the B.S. or B.A. degree in Chemistry a student must successfully complete CHM 495.

Applied Learning Requirement:

To satisfy the applied learning requirement for the B.A. or B.S. degree in Chemistry a student must successfully complete CHM 495.

Requirements for a Major in Chemistry for the B.S. Degree:

BIO 201 - Principles of Biology: Cells

Introduction to principles governing living systems, especially the cellular and molecular basis of life and the transmission and utilization of genetic information. The lab for this course is BIOL 201.

Credit Hours: 3

Prerequisite or Corequisite Courses: BIOL 201
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural

World
Course Repeatability: Course may not be repeated.

BIOL 201 - Principles of Biology: Cells Laboratory

Introduction to basic cell biology sampling techniques and data analysis. Experience in laboratory approaches to introduce basic investigative skills and methods of biological inquiry. This course is the lab for BIO 201.

Credit Hours: 1

Prerequisite or Corequisite Courses: BIO 201
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

CHM 101 - General Chemistry I

Overview of the fundamental laws, principles and theories of chemistry. A 'C' or better in CHM 101 is required to take certain advanced courses in chemistry.

Credit Hours: 3

Corequisite Courses: CHML 101.
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

CHML 101 - General Chemistry Laboratory I

Introduction to general chemistry laboratory techniques. This course is the lab companion course for general chemistry lecture CHM 101.

Credit Hours: 1

Corequisite Courses: CHM 101.
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

CHM 102 - General Chemistry II

Study of the fundamental laws, principles and theories of chemistry. Introduction to inorganic chemistry. Interpretation of experimental results. A 'C' or better in

CHM 102 is required to take certain advanced courses in chemistry.

Credit Hours: 3

Corequisite Courses: CHML 102.
Prerequisite Courses: CHM 101 and CHML 101.
Course Repeatability: Course may not be repeated.

CHML 102 - General Chemistry Laboratory II

Introduction to techniques and equipment used in the chemical laboratory. Interpretation of experimental results. This course is the lab for CHM 102 .

Credit Hours: 1

Corequisite Courses: CHM 102.
Prerequisite Courses: CHML 101, CHM 101.
Course Repeatability: Course may not be repeated.

CHM 211 - Organic Chemistry I

Introduction to the chemistry of carbon compounds, including structure, reactions, mechanisms, and the concepts of organic synthesis. It is strongly

recommended that students take the lab (CHML 211) concurrently with the lecture. The lab for this course is CHML 211.

Credit Hours: 3

Prerequisite Courses: CHM 102
Course Repeatability: Course may not be repeated.

CHML 211 - Organic Chemistry Laboratory I

Introduction to reactions of organic compounds and basic laboratory techniques. This course is the lab for CHM 211.

Credit Hours: 1

Prerequisite or Corequisite Courses: CHM 211.
Prerequisite Courses: CHML 102
Course Repeatability: Course may not be repeated.

CHM 212 - Organic Chemistry II

Reactions and reaction mechanisms of organic compounds. A 'C' or better in CHM 212 is required to take certain advanced courses in chemistry. The lab for

this course is CHML 212. It is strongly recommended that students take the lab (CHML 212) concurrently with the lecture.

Credit Hours: 3

Prerequisite Courses: CHM 211 with a minimum grade of C
Course Repeatability: Course may not be repeated.

CHML 212 - Organic Chemistry Laboratory II

Reactions of organic compounds and the use of spectroscopic methods in the laboratory. This course is the lab for CHM 212.

Credit Hours: 1

Prerequisite Courses: Prerequisite:CHML 211. Prerequisite or corequisite: CHM 212.
Course Repeatability: Course may not be repeated.

CHM 220 - Physical and Quantitative Methods in Chemistry

Physical and quantitative methods in chemistry is an introductory course that surveys important physical and quantitative tools used in chemistry. Quantitative physical and mathematical methods are absolutely necessary to explore important concepts in in chemistry. This course aims to teach chemistry majors how to apply the available physical and quantitative tools to chemistry using examples and problems from various areas in chemistry, such as physical, biological and analytical chemistry. The course starts from a review of basic calculus and then covers more advanced topics.

Credit Hours: 3

Prerequisite Courses: (MAT 152 or MAT 162) and (PHY 101 or PHY 201) and (CHM 102 and CHML 102).
Course Repeatability: Course may not be repeated.

CHM 235 - Quantitative Analysis

Data analysis and statistical methods; chemical equilibrium and analytical applications; volumetric analysis and spectrophotometry; acid-base chemistry;

activities and other topics as time permits. Normally taken concurrently with CHML 235. The lab for this course is CHML 235.

Credit Hours: 3

Prerequisite Courses: CHM 101 and CHML 101, and CHM 102 and CHML 102 with a minimum grade of C.
Course Repeatability: Course may not be repeated.

CHML 235 - Quantitative Analysis Laboratory

Laboratory techniques in classical and modern chemical analysis, including volumetric analysis, chromatography, and spectrophotometry. Application of statistical methods to laboratory data. Chemical equilibrium. This course is the lab for CHM 235.

Credit Hours: 1

Prerequisite or Corequisite Courses: CHM 235.
Course Repeatability: Course may not be repeated.

CHM 312 - Advanced Techniques Organic Chemistry

Theory and practice of chromatographic methods of separation and spectroscopic methods of identification.

Credit Hours: 2

Prerequisite Courses: CHM 212 with a minimum grade of C.
Course Repeatability: Course may not be repeated.

CHM 320 - Physical Chemistry I: Quantum Chemistry and Spectroscopy

Overview of topics in physical chemistry stressing fundamental concepts in quantum chemistry, statistical mechanics and spectroscopy. The lab for this course is CHML 320.

Credit Hours: 3

Prerequisite or Corequisite Courses: CHM 220.
Prerequisite Courses: CHM 102 and CHML 102 and (PHY 101 or PHY 201) and (MAT 151 and MAT 152) or (MAT 161 and MAT 162)
Course Repeatability: Course may not be repeated.

CHML 320 - Physical Chemistry Laboratory I

Laboratory course that will reinforce the concepts of quantum chemistry learned in the accompanying lecture course (CHM 320). Writing intensive course with a focus on writing laboratory reports in professional fashion. This course is the lab for CHM 320.

Credit Hours: 1

Prerequisite or Corequisite Courses: CHM 320.
University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

CHM 321 - Physical Chemistry II: Thermodynamics and Kinetics

An overview of topics in physical chemistry stressing fundamental concepts in thermodynamics and kinetics. The lab for this course is CHML 321.

Credit Hours: 3

Prerequisite Courses: CHM 320.
Course Repeatability: Course may not be repeated.

CHML 321 - Physical Chemistry Laboratory II

This course is the lab for CHM 321.

Credit Hours: 1

Prerequisite Courses: Prerequisite or corequisite: CHM 321.
University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

CHM 350 - Introduction to Chemical Research

Introduction to chemical investigation, including use of the chemical literature, experimental design, proposal preparation, and communication of findings.

Credit Hours: 1

Prerequisite Courses: CHM 211 or CHM 235.
University Studies: Building Competencies/Writing Intensive, Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.
Major Restriction Biochemistry B.S., Chemistry B.S., or Chemistry B.A.

CHM 365 - Biochemistry I

The structures of macromolecules, amino acids and vitamins, and the chemical principles governing their actions. Solution properties of macromolecules, enzyme kinetics and mechanisms, and metabolic regulation, emphasizing organic/physical chemistry. Basics of nucleic acids and biological transfer information.

Credit Hours: 3

Prerequisite Courses: BIO 201 and CHM 212.
University Studies: Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

CHM 435 - Instrumental Analysis

Study of modern analytical instrumentation and techniques. Emphasis on spectroscopic, separation, electrochemical, and materials analysis techniques.

Credit Hours: 3

Corequisite Courses: CHML 435.

Prerequisite Courses: CHM 235 and CHML 235 and CHM 312 with grades of "C-" or better, and PHY 102 or PHY 202.
Course Repeatability: Course may not be repeated.

CHML 435 - Instrumental Analysis Lab

Theory and application of modern analytical instrumentation and techniques. Emphasis on atomic spectroscopy, molecular spectroscopy, chromatography, electrochemistry, mass spectrometry, statistical analysis, report writing, and laboratory safety.

Credit Hours: 2

Corequisite Courses: CHM 435.
Prerequisite Courses: CHML 235
Course Repeatability: Course may not be repeated.

CHM 445 - Inorganic Chemistry

Study of periodic relationships; crystal lattice theory; transition metals and ions; crystal field theory; organometallic structures and reactions; and reaction mechanisms. The lab for this course is CHML 445.

Credit Hours: 3

Prerequisite Courses: CHM 320 with a minimum grade of C and CHM 350 with a minimum grade of C
Course Repeatability: Course may not be repeated.

CHML 445 - Inorganic Synthesis Laboratory

Synthesis and techniques in inorganic chemistry. Normally taken concurrently with CHM 445. This course is the lab for CHM 445.

Credit Hours: 1

Prerequisite or Corequisite Courses: CHM 445.
Course Repeatability: Course may not be repeated.

CHM 495 - Senior Seminar

Discussion of selected topics.

Credit Hours: 1

Prerequisite Courses: CHM 350
Additional Restrictions/Requirements: 25 semester hours of chemistry courses including prerequisite

course.
University Studies: Explorations Beyond the Classroom, Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

CHML 312 - Advanced Techniques of Organic Chemistry Laboratory

Advanced laboratory techniques for the synthesis, purification, and identification of organic compounds using chromatographic and spectroscopic methods including HPLC, GC-MS, UV-Vis, IR, and NMR. This course is the lab for CHM 312.

Credit Hours: 2

Prerequisite or Corequisite Courses: CHM 312.
Prerequisite Courses: CHML 212.
Course Repeatability: Course may not be repeated.

Or

CHML 365 - Biochemistry Laboratory

Theory and practice of biochemical techniques. Topics may include protein assays, protein purification, electrophoresis, enzyme kinetics, HPLC or proteins,

buffers and pH, DNA isolation, and molecular visualization and modeling.

Credit Hours: 2

Prerequisite or Corequisite Courses: CHM 365.
Prerequisite Courses: CHML 212.
Course Repeatability: Course may not be repeated.

MAT 161 - Calculus with Analytical Geometry I

Calculus of a single variable intended for students in the mathematical and natural sciences. Functions and limits; differentiation with applications including maxima and minima, related rates, and approximations; theory of integration with applications; and transcendental functions.

Credit Hours: 4

Prerequisite Courses: MAT 112 or MAT 160, or satisfactory performance on the UNCW mathematics placement test.
University Studies: Foundations/Mathematics and

Statistics, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

MAT 162 - Calculus with Analytical Geometry II

The second course in a three-course sequence. Further techniques and applications of integration; infinite sequences and series; conic sections, parametrized curves and polar coordinates; and, elementary differential equations.

Credit Hours: 4

Prerequisite Courses: MAT 161.
University Studies: Foundations/Mathematics and Statistics, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

PHY 101 - Elementary College Physics I

First semester of a two semester algebra-based introduction to the fundamental principles of physics. Topics include kinematics, Newtonian statics and dynamics, gravitation, oscillations, and mechanical waves.

Credit Hours: 4

Prerequisite or Corequisite Courses: MAT 111 or MAT 112 or MAT 150 or MAT 151 or MAT 160 or MAT 161
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

PHY 102 - Elementary College Physics II

Second semester of a two semester algebra-based introduction to the fundamental principles of physics. Topics include electric and magnetic fields, circuits, electromagnetic waves, and optics.

Credit Hours: 4

Prerequisite Courses: PHY 101
Course Repeatability: Course may not be repeated.

or

PHY 201 - General Physics I

First semester of a two semester calculus-based introduction to the fundamental principles of physics for the physical and mathematical sciences. Topics include kinematics, Newtonian statics and dynamics, gravitation, oscillations, and mechanical waves.

Credit Hours: 4

Prerequisite or Corequisite Courses: MAT 161
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

PHY 202 - General Physics II

Second semester of a two semester calculus-based introduction to the fundamental principles of physics for the physical and mathematical sciences. Topics include electric and magnetic fields, circuits, Maxwell's equations, electromagnetic waves, and optics.

Credit Hours: 4

Prerequisite or Corequisite Courses: MAT 162

Prerequisite Courses: PHY 201
Course Repeatability: Course may not be repeated.

Electives

Plus 6 hours from the following electives, with at least 3 hours from courses in Block I

Block I

CHM 325 - Biophysical Chemistry

Introduction to the fundamentals of thermodynamics and kinetics in the context of biochemical systems. A brief review of the structures of proteins, nucleic acids and membranes followed by a treatment of the thermodynamics and kinetics of binding reactions and phase transitions involving these macromolecules and assemblies. CHML 325 is the laboratory course for CHM 325.

Credit Hours: 3

Prerequisite Courses: BIO 201, CHM 211, CHM 220.
Course Repeatability: Course may not be repeated.

CHM 380 - Forensic Chemistry

Theory and applications of trace organics and metals analyses, fiber and polymer analyses, toxicology, serology, drug and DNA chemistry, fingerprinting techniques, and chain of custody procedures. The optional 3-hour laboratory (CHML 380) may be registered for separately.

Credit Hours: 3

Prerequisite Courses: CHM 211 and CHML 211
Course Repeatability: Course may not be repeated.

CHM 415 - Physical Organic Chemistry

Theoretical and physical organic chemistry, including chemical bonding, stereochemistry and conformational analysis with applications to selected reaction mechanisms.

Credit Hours: 3

Prerequisite Courses: CHM 212.
Course Repeatability: Course may not be repeated.

CHM 417 - Medicinal Chemistry

Study of the principles involved in, and the multidisciplinary nature of, modern drug design. Focus on chemical and biological principles that are fundamental to medicinal chemistry and on understanding how and why certain chemicals interact at biological targets.

Credit Hours: 3

Prerequisite or Corequisite Courses: CHM 365 or BIO 465
Prerequisite Courses: CHM 212
Crosslisting: CHM 517
Course Repeatability: Course may not be repeated.

CHM 425 - Computational Chemistry

Theory and hands-on training of basic computational chemistry; including molecular mechanics, semi-empirical and ab initio molecular orbit theory, density functional theory, and molecular dynamics.

Credit Hours: 3

Prerequisite Courses: CHM 320.
Course Repeatability: Course may not be repeated.

CHM 461 - Biochemistry of Immunity

Introduction to the reactions underlying the immune response, emphasizing biochemical principles. The principles underlying the innate and adaptive immune systems, and the structure and function of the molecules involved. Exploration of the functional immune system as a coordinated collective of individual components.

Credit Hours: 3

Prerequisite Courses: CHM 365.
Course Repeatability: Course may not be repeated.

CHM 462 - Biochemistry of Cell Signaling

Introduction to the general principles of cell signaling. The molecules responsible for signaling processes will be discussed, including synthetic or natural product molecules which affect cell signaling. Specific examples may be discussed including neurotransmission, metabolic regulation, and targeting of cell signaling

proteins for therapeutic benefit.

Credit Hours: 3

Prerequisite Courses: CHM 365.
Course Repeatability: Course may not be repeated.

CHM 463 - Peptide Synthesis

Exploration of peptide synthesis techniques, covering both solution-phase and solid-phase (on-resin) methods. Includes discussions on amino acid coupling strategies, protecting group approaches, activation processes, peptide synthesizers, and ligation techniques. Prepares students for practical applications in biochemical research, drug design, and protein chemistry by examining current methodologies and challenges in peptide assembly.

Credit Hours: 3

Prerequisite Courses: CHM 365
Course Repeatability: Course may not be repeated.

CHM 466 - Biochemistry II

Examination of bioenergetics, structure and function of biomembranes, biosynthesis, degradation of fatty acids, amino acids, and nucleotides, integration of metabolism, signal transduction, and the action of hormones. Consideration of the structure and enzymology of DNA and RNA, genetic information, protein biosynthesis, and gene regulation.

Credit Hours: 3

Prerequisite Courses: CHM 365 or BIO 465.
Course Repeatability: Course may not be repeated.

CHM 467 - Bioinorganic Chemistry

Exploration of the roles that metal ions play in biochemical systems, bridging the gap between inorganic chemistry and biochemistry and providing a comprehensive understanding of how metals contribute to the structure and function of biomolecules. Examines the principles of coordination chemistry, the function of metalloenzymes, and the application of various spectroscopic techniques to study metal-containing biomolecules.

Credit Hours: 3

Prerequisite Courses: CHM 220 and CHM 365
Crosslisting: CHM 567
Course Repeatability: Course may not be repeated.

CHM 468 - Structure and Function of Nucleic Acids

Study of the structure of DNA and RNA, the denaturation and renaturation of DNA and RNA, DNA techniques including cloning, the central dogma (including DNA replication, transcription and translation), and DNA-Protein interactions.

Credit Hours: 3

Prerequisite Courses: CHM 365
Course Repeatability: Course may not be repeated.

CHM 469 - Enzymology

Investigation of enzyme mechanisms and their regulation. Exploration of the theoretical and practical aspects of studying enzymes and their biological

implications. A particular focus will be placed on binding, steady-state kinetics, transient kinetics, allosteric regulation, and inhibition.

Credit Hours: 3

Prerequisite Courses: CHM 365, CHM 220.
Course Repeatability: Course may not be repeated.

CHM 480 - Chemistry Education Research and Practice

Selected topics from chemistry education research. Focus on current research about learning theories, epistemology, representations of chemical structure, technology use in the chemistry classroom, and laboratories.

Credit Hours: 3

Prerequisite Courses: CHM 212
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Crosslisting: CHM 580
Course Repeatability: Course may not be repeated.

CHM 485 - Industrial and Polymer Chemistry

An overview of major industrial processes, the synthesis and significance of major industrial chemicals. Polymer chemistry to include synthesis, properties, and applications is covered. Some specialty topics such as pharmaceutical chemistry and agricultural chemistry are also briefly covered.

Credit Hours: 3

Prerequisite Courses: CHM 212 with a minimum grade of C
Course Repeatability: Course may not be repeated.

CHM 486 - Fundamentals of Heterocycles with Emphasis on Pharmaceuticals

Well over half of all known organic compounds and most pharmaceuticals are heterocyles (containing an atom other than C in the ring), yet their chemistry is hardly touched on in conventional courses. Topics include the nomenclature, properties, synthesis, and pharmaceutical applications of heterocycles.

Credit Hours: 3

Prerequisite Courses: CHM 212 with a minimum grade of C
Course Repeatability: Course may not be repeated.

CHM 291 - Introductory Research

Laboratory and computational research under faculty supervision beyond what is offered in existing courses.

Credit Hours: 1 To 3

Additional Restrictions/Requirements: Freshman, sophomore, junior, or senior standing and consent of instructor and department chair.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6

CHM 491 - Directed Individual Study

Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Enrichment Courses and Programs section in this catalogue.

Credit Hours: 1 To 3

Additional Restrictions/Requirements: Junior or senior standing, overall GPA of at least 2.00, and consent of instructor, department chair and dean.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

CHM 499 - Honors Work in Chemistry

Independent study for honors students.

Credit Hours: 2 To 3

Additional Restrictions/Requirements: Junior or senior standing.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6

Block II

CHM 377 - Environmental Chemistry

Introduction to the chemistry of air, soil, and natural waters. Processes of environmental degradation, cleanup, and pollution prevention. Selected current

topics. The lab for this course is CHML 377.

Credit Hours: 3

Prerequisite Courses: CHM 102 and CHML 102.
Course Repeatability: Course may not be repeated.

CHM 475 - Chemical Oceanography

Introduction to chemical oceanography, including discussion of sources, distribution, forms of occurrence of chemical species in seawater; chemistry of salty solutions; air-sea interactions; marine carbonate system; organic compounds and trace elements in seawater; estuarine chemistry.

Credit Hours: 3

Prerequisite Courses: Prerequisite: CHM 102 and CHML 102. Recommended prerequisite or corequisite: CHM 235 and OCN 150.
Course Repeatability: Course may not be repeated.

CHM 490 - Special Topics In Chemistry

Selected topics in chemistry that are beyond the scope of regular course offerings.

Credit Hours: 1 To 3

Additional Restrictions/Requirements: Junior or senior standing and consent of instructor.
Crosslisting: CHM 592
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6 **Repeat Limit:** 1

CHM 498 - Internship In Chemistry

Practical field experience and academic training related to the student's principal area of interest through a program of work and study within a business or agency. Student is supervised and evaluated jointly by a chemistry faculty member and an on-site supervisor. (Only three hours may count toward a major in chemistry.)

Credit Hours: 1 To 3

Prerequisite Courses: CHM 212 and CHML 212 and CHM 235 and CHML 235

Additional Restrictions/Requirements: Prerequisite course, junior or senior standing, consent of instructor; and GPA of at least 2.80 in chemistry.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12
Additional Course Fees: Student Blanket Professional Liability Insurance Additional Course Fee Schedule

Additional Information:

An overall grade point average of "C" (2.00) is required in all chemistry courses counted toward the major. Students working for the B.S. degree should arrange their work so as to take CHM 320 and CHM 321 in the junior year. (**If CHM 291 or CHM 491 are used to fulfill requirements from Block I, a student must take a combined total of 3 credit hours in CHM 291 and CHM 491, and a comprehensive written report is required. A student may only count up to a total of 3 credit hours of CHM 291, CHM 491, CHM 498, and CHM 499 toward the major.)

Clinical Research, B.S.

Program Coordinator: Annemarie Petroff, MS I
Program Coordinator & Lecturer

(Clinical Research, B.S. Details | UNCW)

The UNCW Clinical Research Program prepares individuals for participation in the science and business of developing drugs, biologics, and biomedical devices with emphasis on pre-approval human clinical trials and post-marketing safety studies. Most graduates work for pharmaceutical and biotechnology companies, contract research organizations, clinical research service providers, or clinical sites enrolling clinical trial subjects. This is an online distance education program that requires 2 semesters of internship at a clinical research organization.

The Clinical Research Program is not a nursing or laboratory-based program.

Student Learning Outcomes

Upon completion of the BS in Clinical Research curriculum, the graduate will be able to:

1. Explain scientific concepts related to the design and analysis of clinical trials. Explain the care of patients, aspects of human subject protection, and safety in the conduct of a clinical trial.

2. Describe how investigational products are developed and regulated.
3. Explain the study management (adverse event identification and reporting, post-market surveillance, and pharmacovigilance), and handling of investigational product.
4. Explain the operations at the site level to run a study (financial and personnel aspects).
5. Demonstrate how data are acquired and managed during a clinical trial, including source data, data entry, queries, quality control, and correction and the concept of a locked database.
6. Demonstrate the principles and practice of leadership and professionalism in clinical research.
7. Describe elements of communication within the site and between the site and sponsor, CRO, and regulators including the teamwork skills necessary for conducting a clinical trial.

Requirements for a Major in Clinical Research for the B.S. Degree:

Collateral Courses (28 hrs)

BIO 201 - Principles of Biology: Cells

Introduction to principles governing living systems, especially the cellular and molecular basis of life and the transmission and utilization of genetic information. The lab for this course is BIOL 201.

Credit Hours: 3

Prerequisite or Corequisite Courses: BIOL 201
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

BIO 246 - Microbiology of Human Diseases

An introduction to and survey of the biology of pathogenic microorganisms responsible for human infectious diseases including: bacteria, viruses, fungi, single-celled protozoans, and parasitic worms, with an emphasis on transmission, diagnosis, prevention, and clinical management. The lab for this course is BIOL 246.

Credit Hours: 3

Prerequisite Courses: BIO 201 and CHM 101 and CHML 101.
Course Repeatability: Course may not be repeated.

CHM 101 - General Chemistry I

Overview of the fundamental laws, principles and theories of chemistry. A 'C' or better in CHM 101 is required to take certain advanced courses in chemistry.

Credit Hours: 3

Corequisite Courses: CHML 101.
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

CHML 101 - General Chemistry Laboratory I

Introduction to general chemistry laboratory techniques. This course is the lab companion course for general chemistry lecture CHM 101.

Credit Hours: 1

Corequisite Courses: CHM 101.
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

MAT 101 - The Art of Mathematics

Exploration of real-life contexts which discuss geometry, rates of growth, consumer statistics, and practical probabilities so students can utilize quantitative information in degree programs and make personal, professional, and civic decisions.

Credit Hours: 3

University Studies: Foundations/Mathematics and Statistics, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

PSY 105 - General Psychology

Principles of psychology with emphasis on scientific methods used in studying human behavior.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

STT 210 - Introduction to Statistics with Applications in the Health Sciences

Topics include descriptive statistics, probability, probability distributions, sampling distributions, confidence intervals, hypothesis testing, correlation and regression. Instruction tailored to applications in the health sciences.

Credit Hours: 3

University Studies: Foundations/Mathematics and Statistics
Course Repeatability: Course may not be repeated.

Complete one of the following sequences:

EXS 216 - Human Anatomy and Physiology I

Examines seven of the major organ systems that includes the human integumentary, skeletal, muscular, circulatory, and respiratory structures and functions as related to health and movement.

Credit Hours: 3

Corequisite Courses: EXSL 216
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural Word
Course Repeatability: Course may not be repeated.

EXSL 216 - Human Anatomy and Physiology I Laboratory

EXSL 216 is the study of the anatomical and functional characteristics of the human body including the skeletal, muscular, circulatory, and respiratory systems with emphasis on health and physical activity.

Credit Hours: 1

Prerequisite Courses: Prerequisite or corequisite: EXS 216.
Course Repeatability: Course may not be repeated.

EXS 217 - Human Anatomy and Physiology II

Examines six major organ systems that include the human nervous, endocrine, immune, digestive, urinary and reproductive systems as related to health and movement.

Credit Hours: 3

Corequisite Courses: EXSL 217
Prerequisite Courses: EXS 216
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

EXSL 217 - Human Anatomy and Physiology II Laboratory

EXSL 217 provides the laboratory experience for EXS 217 via examining the anatomy and physiology of the nervous, endocrine, immune, digestive, urinary and reproductive systems including the special senses and metabolism.

Credit Hours: 1

Prerequisite Courses: Prerequisite or corequisite: EXS 217.
Course Repeatability: Course may not be repeated.

OR

BIO 240 - Human Anatomy and Physiology I

Lecture must be taken concurrent with BIOL 240 . An introduction to the human organism with particular emphasis on maintenance of an internal steady state. Tissues, musculoskeletal, nervous, and endocrine systems are stressed. The lab for this course is BIOL 240.

Credit Hours: 3

Corequisite Courses: BIOL 240.
Prerequisite Courses: BIO 201 and CHM 101 and CHML 101.
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

BIOL 240 - Human Anatomy and Physiology Laboratory I

Basic histology, dissections, and physiology experiments to demonstrate principles explored in BIO 240. This course is the lab for BIO 240.

Credit Hours: 1

Prerequisite Courses: Prerequisite or corequisite: BIO 240.
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

BIO 241 - Human Anatomy and Physiology II

A comprehensive study of human organ systems as relates to the maintenance of homeostasis. Topics include cardiovascular, respiratory, digestive, urinary, and reproductive systems. The lab for this course is BIOL 241.

Credit Hours: 3

Corequisite Courses: BIOL 241
Prerequisite Courses: BIO 240
Course Repeatability: Course may not be repeated.

BIOL 241 - Human Anatomy and Physiology Laboratory II

Basic histology, dissections, and physiology experiments to demonstrate principles explored in BIO 241. This course is the lab for BIO 241.

Credit Hours: 1

Prerequisite Courses: Prerequisite or corequisite: BIO 241.
Course Repeatability: Course may not be repeated.

Core Courses (52 hrs):

CLR 301 - Introduction to Clinical Research

Provides overview of people, terminology, execution, and regulations involved in clinical research process. Focuses on phases of biopharmaceutical product development and protection of human subjects. Emphasis on FDA evaluation of new products for the

pharmaceutical and biotechnology industries. Open to non-majors.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

CLR 310 - Clinical Research Writing and Communications

Examines principles and practice of scientific writing in clinical research field with emphasis on critical thinking, researching, and writing processes. Includes writing of such documents as standard operating procedures, proposals, literature reviews, short reports and letters.

Credit Hours: 3

Prerequisite or Corequisite Courses: CLR 301 with a C or better
Additional Restrictions/Requirements: Open only to students within the Clinical Research major or Clinical Research minor.
University Studies: Building Competencies/Writing Intensive

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3
Major Restriction Restricted to Clinical Research majors**Minor Restriction** Restricted to Clinical Research minors

CLR 325 - Pharmacotherapeutics

Focuses on therapeutic uses and effects of drugs. Discusses drug classes that may be encountered in clincal protocols during new drug development. Reviews various medical conditions and summarizes basic pathophysiology, clinical presentation, diagnosis, desired outcome, disease prevention, pharmacologic and non-pharmocologic therapy.

Credit Hours: 3

Prerequisite Courses: CLR 301 with a C or better.
Additional Restrictions/Requirements: Restricted to Clincal Research majors and minors.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

CLR 330 - Fundamentals of Biopharmaceutical Product Development

This completely on-line course provides an overview of the development of pharmaceutical and biotechnology products for the marketplace. This course reviews the theoretical and practical aspects of the discovery of new entities, the preclinical process, chemistry manufacturing and controls (CMC), manufacturing and scale-up of candidate products, over-the-counter and generic drugs, production and stability of marketed products as well as the overall costs of drug development.

Credit Hours: 3

Prerequisite Courses: CLR 301 with a C or better
Additional Restrictions/Requirements: Open only to students within the Clinical Research major or Clinical Research minors.
Course Repeatability: Course may not be repeated.
Major Restriction Restricted to Clinical Research majors**Minor Restriction** Restricted to Clinical Research minors

CLR 340 - Study and Site Management for Clinical Trials

Operational aspects of clinical trials at the site level, including financial, personnel, and legal considerations. Introduces relevant regulations and guidelines including ICH GCP. Includes discussion of roles, responsibilities, and perspectives of the subject, clinical study coordinator, prinicipal investigator, sponsor, and contract research organization.

Credit Hours: 3

Prerequisite Courses: CLR 301 with a C or better.
Additional Restrictions/Requirements: Only open to students within the Clinical Research major.
University Studies: Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

CLR 350 - Understanding Medical Terminology and Clinical Endpoints

Audio-visual approach to study of medical terminology, body systems, diagnostic procedures, and pharmacology. Emphasizes word construction, spelling, usage, comprehension, pronunciation, abbreviations.

Applies terminology to clinical study endpoints commonly used to measure safety and efficacy of a biopharmaceutical product.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

CLR 410 - Collaborative Writing for Clinical Studies

Focuses on collaborative writing approaches, style, and sources of information used to create clinical research documents. Encourages critical thinking by summarizing information from multiple sources with varying degrees of quality.

Credit Hours: 3

Prerequisite Courses: CLR 310 with a C or better.
Additional Restrictions/Requirements: Restricted to students with declared major in Clinical Research.
University Studies: Building Competencies/Writing Intensive

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

CLR 420 - Regulatory Affairs

In-depth coverage of the requirements for worldwide marketing applications. Examination of the regulatory review process and regulatory agency interactions. Emphasis on late phase of clinical investigations and marketing considerations, including safety reporting.

Credit Hours: 3

Prerequisite Courses: CLR 301 with a C or better
Additional Restrictions/Requirements: Open only to students within the Clinical Research major or Clinical Research minor.
Course Repeatability: Course may not be repeated.
Major Restriction Restricted to Clinical Research majors**Minor Restriction** Restricted to Clinical Research minors

CLR 430 - Managing and Monitoring Clinical Trials

Reviews theoretical principles and practices guiding trial monitoring, project management, and trial phases including planning, initiation, monitoring and closing. Discusses roles and responsibilities of people and groups focusing on protocol development, site monitoring, quality assurance, data management and overall trial management.

Credit Hours: 3

Prerequisite Courses: CLR 301 with a C or better and CLR 330 with a C or better and CLR 340 with a C or better.
Additional Restrictions/Requirements: Restricted to Clinical Research majors.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

CLR 440 - Bioanalytics

Examines study designs and statistical analyses commonly used in biopharmaceutical clinical trials and post-marketing studies with focus on interpreting descriptive and inferential statistics. Explores techniques such as randomization, blinding, and

placebo-control. Reviews industry processes for data analysis. Discusses basic concepts in epidemiology, pharmacoeconomics, psychometrics/patient-reported outcomes.

Credit Hours: 3

Prerequisite Courses: CLR 301 with a C or better and CLR 330 with a C or better and CLR 350 with a C or better.
Additional Restrictions/Requirements: Restricted to CLR majors and CLR minors.
University Studies: Building Competencies/Information Literacy, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

CLR 450 - Data Management

Examines role and responsibilities of data management in clinical research. Topics include organization, collection, review, and tracking of data; technology platforms; case report form design, and regulations. Includes an applied component to learn data structure

and manipulation.

Credit Hours: 4

Prerequisite Courses: CLR 301 with a C or better.
Additional Restrictions/Requirements: Open only to students in the CLR major and CLR minor.
University Studies: Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 4

CLR 470 - The Business of Clinical Research

Examines financial aspects of clinical research spanning from individual studies to the business models supporting clinical research organizations. Focuses on contract research services, vendor management, study team labor costs, contracts and proposals. Disucsses accountability for study budgets at the individual level.

Credit Hours: 3

Corequisite Courses: CLR 497

Additional Restrictions/Requirements: Open to Clinical Research majors only.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

CLR 496 - Clinical Research Internship I

Students must work with faculty placement in prior semester. Practical experience, 14 hours weekly at clinical research site, includes online course with learning modules that enhance the experience and discuss issues arising in the practicum. Students and participating organizations are matched to provide a comprehensive clinical research experience.

Credit Hours: 6

Prerequisite Courses: CLR 301 with a C or better and CLR 310 with a C or better and CLR 325 with a C or better and CLR 330 with a C or better and CLR 340 with a C or better and CLR 350 with a C or better.
Additional Restrictions/Requirements: Restricted to Clinical Research majors.
University Studies: Explorations Beyond the Classroom

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 6
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

CLR 497 - Clinical Research Internship II

Students must work with faculty on placement in prior semester. Continuation of practical experience, 14 hours weekly at clinical research site, includes online courses with learning modules that enhance the experience and discuss issues arising in the practicum. Students and participating organizations are matched to provide a compreshensive clinical research experience.

Credit Hours: 6

Prerequisite Courses: CLR 496 with a P.
Additional Restrictions/Requirements: Restricted to Clinical Research majors.

University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.

Maximum Repeatable Hours: 6
Additional Course Fee Schedule

PAR 215 - Medical Ethics: Life and Death Decisions in Health Care

Examination of the principles and problems in the application of ethical theory to medical research and practice.

Credit Hours: 3

University Studies: Approaches and Perspectives/Historical and Philosophical Approaches
Course Repeatability: Course may not be repeated.

Select one of the following as a Core Course elective (3-4 hrs):

CHM 102 - General Chemistry II

Study of the fundamental laws, principles and theories of chemistry. Introduction to inorganic chemistry. Interpretation of experimental results. A 'C' or better in CHM 102 is required to take certain advanced courses in chemistry.

Credit Hours: 3

Corequisite Courses: CHML 102.
Prerequisite Courses: CHM 101 and CHML 101.
Course Repeatability: Course may not be repeated.

CHML 102 - General Chemistry Laboratory II

Introduction to techniques and equipment used in the chemical laboratory. Interpretation of experimental results. This course is the lab for CHM 102 .

Credit Hours: 1

Corequisite Courses: CHM 102.
Prerequisite Courses: CHML 101, CHM 101.
Course Repeatability: Course may not be repeated.

ECN 327 - Health Economics

Analysis of health-care delivery using economic reasoning. Specific topics include the demand for health, medical care, and insurance; socio-economic patterns in health-related behaviors and outcomes; physician and hospital services; private and public

financing of care; regulation of the health-care marketplace; and medical innovation.

Credit Hours: 3

Prerequisite Courses: ECN 125 or ECN 221
Course Repeatability: Course may not be repeated.

LED 211 - Principles of Leadership

Introduction to leadership. Study of leadership theories, styles, and strategies. Emphasis on developing leadership skills in a variety of settings.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.

ENG 313 - Writing About Science, Medicine, and the Environment

Exploration of scientific discourse focusing on analyzing scientific texts and rewriting scientific and

technical information for a variety of audiences. Includes the development of relevant research skills.

Credit Hours: 3

University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

GRN 101 - Introduction to Gerontology

Introduction to the social, psychological, physiological, and philosophical aspects of aging through reading, writing, and fieldwork.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

MKT 340 - Principles of Marketing

Introduction to the concepts, activities and decisions that relate to the marketing function in domestic and international business. Focus on development and implementation of marketing strategies through the use of marketing mix variables of product, price, distribution, and promotion.

Credit Hours: 3

Additional Restrictions/Requirements: Sophomore standing or admission to the Cameron School of Business.
Course Repeatability: Course may not be repeated.

PSY 245 - Drugs and Behavior

Psychological aspects of drug use and abuse. Emphasis on the effects of major psychoactive drugs (including alcohol) on behavior, the psychological determinants of drug use, and treatment of drug abuse.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

PSY 256 - PSY 256 - Brain and Behavior - Hungerford

An introductory survey of the functional anatomy of the nervous system and the roles which various neural systems play in normal and abnormal behavior.

Credit Hours: 3

Prerequisite Courses: PSY 105 and (BIO 105, BIO 140+BIOL 140, BIO 201, BIO 202, or BIO 240+BIOL 240)
Additional Restrictions/Requirements: Prerequisite courses or consent of the instructor.
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

PSY 425 - Psychometrics

Introduction to theories and research related to the practice of psychological test construction, including a survey of intelligence, achievement and personality tests, and laboratory experience demonstrating development and applications of these tests.

Credit Hours: 6

Prerequisite Courses: (PSY 246 or PSY 264 or PSY 247) and PSY 355.
University Studies: Building Competencies/Writing Intensive, Building Competencies/Information Literacy, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

STT 305 - Statistical Programming

Introduction to statistical programming in SAS with emphasis on data step programming; applications to data management and report generation, simulation, graphical and numerical analysis of univariate and multivariate data. Comparison of current statistical software.

Credit Hours: 3

Prerequisite Courses: STT 215
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

STT 350 - Survey Sampling

Elementary survey sampling on the design and analysis of sample surveys. Topics include design of questionnaires; methods of data collection; sample-survey designs including simple random sampling, stratified sampling, cluster sampling, and systematic sampling; ratio and regression estimation; two-stage cluster sampling; sampling from wildlife populations; sources of errors.

Credit Hours: 3

Additional Restrictions/Requirements: An introductory statistics course from any department.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

Total Degree Requirements: 83-84 hours

Additional Information:

A "C" (2.00) or better is required in each required CLR core course to progress. A cumulative grade point average of 2.00 or better is required for graduation.

A "C" (2.0) or better is required in all required non-CLR courses to apply to/progress in the program.

All required CLR 300 level courses must be taken prior to enrollment in internship (CLR 496).

Many of the required courses are sequential, have prerequisites, and may be offered only once a year; therefore, it is imperative that students consult with the academic advisor and follow the prescribed program of study. Students are also expected to complete the university studies requirements during the freshman and sophomore years because of the rigor and concentration of lab courses and the internship in the major. The recommended 15-17 semester hour course load each semester is necessary to complete the program in four academic years. In addition to the university studies and required prerequisite courses, elective credits are also included in the 124 hours required for graduation. To qualify for the Bachelor of Science in Clinical Research, 25% of the total semester hours must be taken in residence at UNCW.

Coastal Engineering, B.S.

The B.S. Coastal Engineering program teaches students to address critical issues affecting coastal

communities around the world by applying fundamentals of engineering in a problem-based learning environment. The program focuses on foundational courses in mathematics, statics, and fluid mechanics and specialized courses in coastal processes, numerical modeling, and field techniques. Students are prepared for careers in consulting, local, state, and federal government, and cutting-edge research.

Oral Communication Requirement

To satisfy the oral communication requirement for the B.S. degree in Coastal Engineering, a student must successfully complete EGN 495.

Applied Learning Requirement

To satisfy the applied learning requirement for the B.S. degree in Coastal Engineering, a student must successfully complete EGN 495.

Requirements for a Major in Coastal Engineering for the B.S. Degree

Core Courses (71 Credit Hours)

CHM 101 - General Chemistry I

Overview of the fundamental laws, principles and theories of chemistry. A 'C' or better in CHM 101 is required to take certain advanced courses in chemistry.

Credit Hours: 3

Corequisite Courses: CHML 101.
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

CHML 101 - General Chemistry Laboratory I

Introduction to general chemistry laboratory techniques. This course is the lab companion course for general chemistry lecture CHM 101.

Credit Hours: 1

Corequisite Courses: CHM 101.
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural

World
Course Repeatability: Course may not be repeated.

EGN 101 - Introduction to Engineering

Profession and practice of engineering. Ethics, professionalism, unit systems, problem solving, data presentation, communication, teamwork, and design.

Credit Hours: 2

Additional Restrictions/Requirements: This course is restricted to Freshman students only.
University Studies: Foundations/First Year Seminar
Course Repeatability: Course may not be repeated.

EGN 102 - Introduction to Coastal Engineering

Introduction to the field of coastal engineering and its relationship to other engineering disciplines (civil, structural, environmental) and sciences (geology, oceanography). Examination of basic wave mechanics, tide theory, coastal storm processes and sediment transport processes to support a basic understanding of coastal erosion and approaches to address coastal erosion.

Credit Hours: 3

Prerequisite Courses: EGN 101 (C- or better), MAT 161
University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

EGN 201 - Engineering Statics

An introduction to concepts in engineering based on forces in equilibrium. Topics include basic force concepts and equilibrium analysis, distributed forces, centroids, moments of inertia, application to structural elements. Upon completion, students should be able to solve problems which require the ability to analyze systems of forces in static equilibrium.

Credit Hours: 3

Prerequisite Courses: PHY 201.
Course Repeatability: Course may not be repeated.

EGN 220 - Engineering Graphics

Introduction to basic engineering graphics principles, skills and practices using Computer Aided Drafting and Design (CADD) software. Topics include sketching, selection of methods and tools, and hands on use of current CADD software applications. Considers design, creation of drawings, plan sheets, and cross-sections, calculations, and assembly of construction drawings.

Course Repeatability: Course may not be repeated.

EGN 301 - Mechanics of Solids

Elementary analysis of deformable solids subjected to force systems. Topics include material behavior; relationship between external forces acting on elastic and inelastic bodies and the resulting behavior; stress and deformation of bars, beams, shafts, pressure vessels, stress and strain; combined stresses; columns.

Credit Hours: 3

Prerequisite Courses: EGN 201 (C- or better)
Course Repeatability: Course may not be repeated.

EGN 310 - Fluid Mechanics for Engineers

Fluid mechanics uses knowledge from mathematics, physics, statics, and dynamics to analyze problems involving the fluid medium. Topics include fluid properties, hydrostatic pressure, pressure on surfaces, conservative equations of mass, momentum and energy, pumps and turbines, open channel flows, and pipe flows in relation to real world engineering problems.

Credit Hours: 3

Prerequisite Courses: MAT 361 and EGN 201 (C- or better)
Course Repeatability: Course may not be repeated.

EGN 311 - Coastal Engineering and Fluids Lab

Applied methods in laboratory investigations into coastal engineering and fluid mechanics principles in a sequence of seven experiments: hydrostatic pressure on submerged surface, stability of a floating body, flow from a hole, hydraulic jump, flow measurement, wave measurements in a wave flume, and beach sediment analysis.

Credit Hours: 1

Prerequisite Courses: EGN 330 (C- or better)
Course Repeatability: Course may not be repeated.

EGN 320 - Water Resources Engineering

Introduction to quantitative methods in water resource systems. Topics include hydrology, precipitation, hydrograph analysis, reservoir and steam routing; groundwater, Darcy equation, well equation, well design; probability concepts in design; water law;dams; reserviors; spillways; open channel and pipe network hydraulics; pumps; urban stormwater drainage; flood damage mitigation.

Credit Hours: 3

Prerequisite Courses: EGN 310 (C- or better)
Course Repeatability: Course may not be repeated.

EGN 330 - Coastal Wave Mechanics

Examination of the mechanics of water wave motion using linear and non-linear wave theories. Exploration of wave generation, forecasting and measurement.

Covers wave propagation and transformation from offshore to the nearshore where waves interact with the bottom causing shoaling, breaking and initiating sediment movement.

Credit Hours: 3

Prerequisite Courses: MAT 361
Course Repeatability: Course may not be repeated.

EGN 340 - Matlab for Engineering Analysis

An introduction to the MATrix LABoratory (MATLAB) software. Topics to be covered include: basic programming; data management and manipulation; curve fitting and interpolation; image processing; advanced 3D plotting and movie generation; and basic applied numerical methods.

Credit Hours: 3

Prerequisite Courses: MAT 261.
Course Repeatability: Course may not be repeated.

EGN 400 - Fundamentals of Engineering Review

Review of topics on the National Council of Examiners for Engineering and Surveying (NCEES) Fundamentals of Engineering (FE) exam. Students become familiar with exam topics and get hands-on problem-solving skills. All 14 topics for the "Other Disciplines" exam specification are covered.

Credit Hours: 1

Prerequisite Courses: EGN 301 (C- or better), EGN 320 (C- or better), and EGN 340 (C- or better).
Course Repeatability: Course may not be repeated.

EGN 402 - Dredging and Beach Nourishment

This course will examine types of dredges and their operation and the process of dredging for beach nourishment. Students will learn about the elements of beach nourishment design including cross-shore and planform design considerations, borrow areas (upland, offshore and inlets), environmental effects of beach nourishment and current dredging/beach nourishment costs. Numerical modeling of beach and dune erosion, shoreline change and storm induced impacts will be introduced. Local examples and ongoing beach

nourishment projects will be examined.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

EGN 410 - Field Methods in Coastal Engineering

Introduction to the concepts, instrumentation, and field methods used to observe physical processes specific to the highly-dynamic coastal environment, such as wind, waves, currents, tides, and sediment transport. Hands-on experience in operating, deploying, and analyzing data from sensors that measure waves and currents, as well as with advanced surveying techniques for monitoring beach morphology (e.g., LIDAR, RTK GPS, and SONAR).

Credit Hours: 3

Prerequisite Courses: EGN 340 (C- or better) and EGN 330 (C- or better).
Course Repeatability: Course may not be repeated.

EGN 420 - Applied Coastal Modeling

Provides the knowledge and tools necessary to apply state of the art numerical models in coastal settings. Specific models vary depending on the instructor's expertise. Examples include ADCIRC, FUNWAVE, DELFT3D, or XBeach.

Credit Hours: 3

Prerequisite Courses: EGN 340 (C- or better) and EGN 330 (C- or better).
Course Repeatability: Course may not be repeated.

EGN 430 - Coastal Structures

Examine the functional design of coastal structures distinguishing between groins, jetties, seawalls, breakwaters, revetments and bulkhealds. Hydraulic design and structural stability as a result of breaking and non-breaking wave loading are also covered. In addtion, students examine the materials used and cost implications of coastal structures.

Credit Hours: 3

Prerequisite Courses: EGN 301 (C- or better) and

EGN 330 (C- or better).
Course Repeatability: Course may not be repeated.

EGN 495 - Engineering Capstone I

A coastal engineering design-focused senior capstone experience with students working either individually or in small teams to research, evaluate alternatives, prepare design documents (plans and specifications) and present solutions to a design review board composed of faculty, local government agencies and/or consultants.

Credit Hours: 4

Additional Restrictions/Requirements: Senior standing.
University Studies: Explorations Beyond the Classroom, Building Competencies/Information Literacy, Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

MAT 161 - Calculus with Analytical Geometry I

Calculus of a single variable intended for students in the mathematical and natural sciences. Functions and

limits; differentiation with applications including maxima and minima, related rates, and approximations; theory of integration with applications; and transcendental functions.

Credit Hours: 4

Prerequisite Courses: MAT 112 or MAT 160, or satisfactory performance on the UNCW mathematics placement test.
University Studies: Foundations/Mathematics and Statistics, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

MAT 162 - Calculus with Analytical Geometry II

The second course in a three-course sequence. Further techniques and applications of integration; infinite sequences and series; conic sections, parametrized curves and polar coordinates; and, elementary differential equations.

Credit Hours: 4

Prerequisite Courses: MAT 161.

University Studies: Foundations/Mathematics and Statistics, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

MAT 261 - Multivariate Calculus

Calculus of functions of several variables. Vectors and analytic geometry of three dimensional space; partial derivatives, gradients, directional derivatives, maxima and minima; multiple integrals; line and surface integrals, Green's Theorem, Divergence Theorem, and Stokes' Theorem.

Credit Hours: 4

Prerequisite Courses: MAT 162
Course Repeatability: Course may not be repeated.

MAT 361 - Differential Equations

Theory, methods of solution, and applications of ordinary differential equations with emphasis on first and second order (linear and nonlinear) equations, and systems of first order equations. Methods used include Laplace transforms, matrices, eigenvalues and eigenvectors. Additional topics from power series

solutions and numerical methods.

Credit Hours: 3

Prerequisite Courses: MAT 162.
Course Repeatability: Course may not be repeated.

PHY 201 - General Physics I

First semester of a two semester calculus-based introduction to the fundamental principles of physics for the physical and mathematical sciences. Topics include kinematics, Newtonian statics and dynamics, gravitation, oscillations, and mechanical waves.

Credit Hours: 4

Prerequisite or Corequisite Courses: MAT 161
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

PHY 202 - General Physics II

Second semester of a two semester calculus-based introduction to the fundamental principles of physics for the physical and mathematical sciences. Topics include electric and magnetic fields, circuits, Maxwell's equations, electromagnetic waves, and optics.

Credit Hours: 4

Prerequisite or Corequisite Courses: MAT 162
Prerequisite Courses: PHY 201
Course Repeatability: Course may not be repeated.

Elective Courses (9 Credit Hours)

9 hours, of which 6 hours must be at the 300 level or higher, and including *at least one course from List A and one from List B:*

LIST A:

EGN 401, EGN 490, EGN 498, EGN 499

LIST B:

BIO 487, CHM 377, EVS 364, EVS 476, MAT 335, MAT 365, MAT 367, OCN 350, PHY 315, PHY 470, PHY 480, PHY 475, STT 315

BIO 487 - Introduction to Coastal Management

Interdisciplinary study of human impact on coastal environments and organisms. Physical and biotic settings of worldwide coastal regions, principles of coastal management, current topics in coastal management, and analysis of potential solutions to coastal problems.

Credit Hours: 0 Or 4

Additional Restrictions/Requirements: Junior or senior standing or consent of instructors.
Crosslisting: OCN 458, GLY 558
Course Repeatability: Course may not be repeated.

CHM 102 - General Chemistry II

Study of the fundamental laws, principles and theories of chemistry. Introduction to inorganic chemistry. Interpretation of experimental results. A 'C' or better in CHM 102 is required to take certain advanced courses in chemistry.

Credit Hours: 3

Corequisite Courses: CHML 102.
Prerequisite Courses: CHM 101 and CHML 101.
Course Repeatability: Course may not be repeated.

CHML 102 - General Chemistry Laboratory II

Introduction to techniques and equipment used in the chemical laboratory. Interpretation of experimental results. This course is the lab for CHM 102 .

Credit Hours: 1

Corequisite Courses: CHM 102.
Prerequisite Courses: CHML 101, CHM 101.
Course Repeatability: Course may not be repeated.

CHM 377 - Environmental Chemistry

Introduction to the chemistry of air, soil, and natural waters. Processes of environmental degradation, cleanup, and pollution prevention. Selected current topics. The lab for this course is CHML 377.

Credit Hours: 3

Prerequisite Courses: CHM 102 and CHML 102.
Course Repeatability: Course may not be repeated.

EGN 210 - Engineering Economic Analysis

This course is focused on engineering and managerial decision making. Topics will include the theory of interest; equivalent annual costs; present worth; internal rates of return; benefit/cost ratios. Techniques in cost minimization models and sensitivity analysis will be developed in the context of engineering examples.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

EGN 401 - Sediment Transport Processes

This course will examine the physical processes of sandy beaches, coastal sediments, surf zone dynamics, beach profile evolution and cross-shore and longshore sediment transport. The class will also cover beach profile response and sediment transport as a result of waves, currents and storms.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

EGN 490 - Special Topics in Coastal Engineering

Selected topics in coastal engineering that are beyond the scope of regular course offerings. May be repeated under a separate course title.

Credit Hours: 1 To 3

Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6 **Repeat Limit:** 1

EGN 491 - Directed Individual Study

Investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Enrichment Courses and Programs section in the catalogue.

Credit Hours: 1 To 3

Additional Restrictions/Requirements: Junior or

senior standing, overall GPA of at least 2.00, and consent of instructor, department chair and dean.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6 **Repeat Limit:** 2

EGN 498 - Internship in Engineering

Practical experience and academic training in the student's principal area of interest. Joint supervision and evaluation by a engineering faculty member and an on-site supervisor.

Additional Restrictions/Requirements: Junior or senior standing, overall GPA of at least 2.50 and a GPA in EGN courses of at least 2.80. Students must be pre-approved by the faculty supervisor, department chair and dean.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6 **Repeat Limit:** 1

EGN 499 - Honors Work in Coastal Engineering

Independent work for honors students.

Credit Hours: 2 To 3

Additional Restrictions/Requirements: Junior or senior standing.
University Studies: Building Competencies/Writing Intensive, Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6 **Repeat Limit:** 2

EVS 325 - Environmental Economics

Application of basic economic principles to help understand environmental problems and evaluate alternative solutions. Economic principles used to analyze fundamental environmental issues such as property rights, externalities, conservation, public good, environmental protection, natural resource damage assessment, and pollution control. Specific focus on methods for non-market valuation.

Credit Hours: 3

Prerequisite Courses: ECN 125 or ECN 221
Crosslisting: ECN 325
Course Repeatability: Course may not be repeated.

EVS 364 - Natural Resource Policy

Existing natural resource laws, institutions and programs are summarized in their historical context and in relation to current natural resource issues. Philosophical underpinnings of policy positions are examined and discussed. Models of policy creation, implementation, and reform, with specific examples focusing on natural resource management.

Credit Hours: 3

Prerequisite Courses: EVS 195 or permission of instructor.
Additional Restrictions/Requirements: Junior or senior standing, or permission of instructor.
Course Repeatability: Course may not be repeated.

EVS 410 - Environmental Modeling

Overview of environmental modeling as used in practice. Consideration of selected abiotic and biotic models with applications to bacteria, plankton, fish, plants, trees, amphibians, reptiles, birds, and mammals. Hands-on ecological modeling with spreadsheet software.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

EVS 422 - Marine Environmental Survey Techniques

Introduction to the fundamentals of environmental marine survey techniques for conservation and management purposes. Use of bathymetric, acoustic imaging, underwater video and seabed sampling techniques to collect, process, export and characterize data related to a range of marine environments in coastal North Carolina.Additional Course Fees: Student Blanket Professional Liability Insurance.

Credit Hours: 3

Prerequisite Courses: GGY 321
Additional Restrictions/Requirements: Junior/Senior standing required, or permission of instructor.
Course Repeatability: Course may not be repeated.

EVS 476 - Topics and Issues in Sustainability

Study of fundamental concepts related to a sustainable society including current global and local issues. Focus on environmental topics (energy, water, climate, soil, forests, food, and population) with consideration of current social and economic issues. Additional Course Fees: Student Blanket Professional Liability Insurance.

Credit Hours: 3

Prerequisite Courses: EVS 195 and EVSL 195
Additional Restrictions/Requirements: Prerequisite courses or consent of the instructor.
Course Repeatability: Course may not be repeated.

EVS 483 - Fisheries Policy and Management

Overview of fisheries policy and management. Considers important international, national, and regional fisheries, with extended consideration of North Carolina fisheries. Reviews fisheries management agencies, policies, data sources, trends and issues. Examines common biological fishery models, fishing methods and gear, and fishery regulations. Explores methods for assessing the economic impacts of fishing and the recreational value of fishing.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

GGY 322 - Introduction to Remote Sensing

Theory and application of remote sensing techniques and software applications for environmental sciences, geography, earth sciences, hydrology, archaeology, forestry, and public health. Includes satellite data collection, digital image processing, multispectral image analysis, introduction to thermal infrared and microwave data through laboratory exercises. Students work in small groups to apply remote sensing concepts to solve complex problems. Two lecture and two laboratory hours each week.

Credit Hours: 3

Prerequisite Courses: GGY 130 or GGY 215 or GLY 101 or GLY 120 or OCN 150 or EVS 195 or consent of instructor.
Additional Restrictions/Requirements: Prerequisite

course or consent of instructor.
Course Repeatability: Course may not be repeated.

GLY 101 - Earth Revealed

An introduction to Geology covering fundamental topics including plate tectonics, geologic time, and Earth materials with emphasis on how geology affects the natural environment, controls distribution of natural resources, and poses risks to humans. Contemporary issues covered include natural resource use (water, energy), geohazards, coastal processes, and climate change.

Credit Hours: 3

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World, Living in a Global Society
Course Repeatability: Course may not be repeated.

MAT 335 - Linear Algebra and Matrices

Systems of linear equations, vector spaces, algebra of matrices and linear transformations, determinants, eigenvalues and eigenvectors, applications.

Credit Hours: 3

Prerequisite Courses: MAT 161
Course Repeatability: Course may not be repeated.

MAT 365 - Vector Calculus

A thorough study of differential and integral calculus of vector-valued functions of a vector variable. Jacobians, inverse and implicit function theorems, change of variables in multiple integrals; theorems of Green, Gauss, and Stokes; applications.

Credit Hours: 3

Prerequisite Courses: MAT 261 and MAT 335
Course Repeatability: Course may not be repeated.

MAT 367 - Methods of Mathematics for Scientists and Engineers

Applied mathematics topics encountered in the physical sciences and engineering disciplines: Fourier series and orthogonal functions; Fourier and Laplace transforms; elementary applications to differential

equations and boundary value problems; introduction to complex variables and residue theory.

Credit Hours: 3

Prerequisite Courses: MAT 261
Additional Restrictions/Requirements: Prerequisite course; MAT 335 recommended.
Course Repeatability: Course may not be repeated.

OCN 150 - Introduction to Oceanography

An introduction to the geology, physics, chemistry, and biology of the ocean; instruments and techniques of oceanography; resources of the ocean. The lab for this course is OCNL 150.

Credit Hours: 3

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

OCN 350 - Advanced Oceanography

An in-depth examination of the structure and formation of ocean basins, the role of oceans in the hydrological cycle, the physical properties of seawater, atmospheric and ocean circulation, waves, and tides. Emphasis on data analysis and quantitative problem solving.

Credit Hours: 3

Prerequisite Courses: OCN 150
University Studies: Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

OCN 479 - Smart Coasts

Advanced design and analysis of Smart Coastal monitoring systems and datasets. Study and application of the techniques used to observe coastal dynamics in near real time and provide not just data but also distilled information for research, operational, and educational uses.

Credit Hours: 2

Prerequisite Courses: OCN 350.
Course Repeatability: Course may not be repeated.

PHY 315 - Computational Physics and Complexity

Corequisites: PHY 321 or MAT 361. Introduction to numerial modeling techniques for solving problems in physics and complex systems. Numerial techniques will be applied to classical mechanics, bifurcation and dynamical systems, chaotic systems, thermodynamics, optimization, cellular automata, and self-organization.

Credit Hours: 3

University Studies: Explorations Beyond the Classroom, Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

PHY 470 - Data Analysis

Data analysis techniques used in experimental and applied physical science. Topics include propagation of errors, probability distributions, data reduction techniques, covariance and convolution, autocorrelation, linear regression, time series analysis,

and spectral analysis.

Credit Hours: 3

Prerequisite Courses: PHY 202.
Course Repeatability: Course may not be repeated.

PHY 480 - Coastal And Estuarine Systems

Introduction to the physical processes operating within coastal and estuarine systems. Focus on the dynamical description of topics such as gravity waves, surf zone hydrodynamics, storm surge, tides, estuarine hydraulics, sediment transport, and morphodynamics. Credit is not allowed for both PHY 480 and PHY 580.

Credit Hours: 3

Prerequisite Courses: PHY 475
Crosslisting: PHY 580
Course Repeatability: Course may not be repeated.

PHY 475 - Physical Oceanography

An introduction to the descriptive and dynamical features of ocean circulation. Topics include: the

physical properties of seawater; oceanic heat budget; dynamics of ocean currents; descriptive oceanography; waves and tides.

Credit Hours: 3

Prerequisite Courses: (MAT 152 or MAT 162) and (PHY 102 or PHY 202)
Crosslisting: PHY 575
Course Repeatability: Course may not be repeated.

PHY 477 - Observational Methods in Physical Oceanography

Description of instrumentation used to measure temperature, salinity, pressure, and current in the ocean. Hands-on use of techniques and instrumentation to collect and analyze real oceanographic data. Credit is not allowed for both PHY 477 and PHY 577.

Credit Hours: 3

Prerequisite Courses: PHY 315 and PHY 475
University Studies: Explorations Beyond the

Classroom, Building Competencies/Writing Intensive
Crosslisting: PHY 577
Course Repeatability: Course may not be repeated.
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

STT 315 - Introduction to Probability

Introduction to calculus-based probability. Topics include: discrete and continuous random variables and probability distributions; mathematical expectation and variance; sampling distributions and the central limit theorem.

Credit Hours: 3

Prerequisite Courses: MAT 152 or MAT 162.
Course Repeatability: Course may not be repeated.
Any EGN-prefix course

Total Credit Hours: 80

Additional Information

Students must attain a grade point average of "C" (2.00) or better computed over all the courses used to fulfill the requirements of the major, and a grade of "C-"

or better for each EGN course used to fill the requirements of the major.

Note:

Students interested in the B.S. degree in Coastal Engineering are strongly advised to take the MAT 161 and EGN 101 in the fall of the freshman year.

Communication Studies, B.A.

none

Oral Requirement:

To satisfy the oral communication requirement for the B.A. degree in Communication Studies a student must successfully complete COM 101.

Applied Learning Requirement:

To satisfy the applied learning requirement for the B.A. degree in Communication Studies a student must successfully complete COM 400. Additional elective opportunities include COM 491, COM 498, COM 499.

Requirements for a Major in Communication Studies for the B.A. Degree:

COM 101 - Public Speaking

Preparation and delivery of public presentations, with emphasis on creativity, reasoning, evidence, organization, and delivery. Course content will also be applied to analysis of speeches by self and others.

Credit Hours: 3

University Studies: Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

COM 105 - Introduction to Communication Studies

Designed specifically for potential communication studies majors. Deeper overview of the discipline and our department. Emphasis on foundational concepts for practicing, describing, and evaluating communication; and on skills necessary to understand, evaluate, and apply research in the discipline as a communication specialist. Non majors see COM 104: Concepts in Communication Studies.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

COM 200 - Research Methods in Communication Studies

Introduction to critical thinking and overview of research methods in communication studies. Students will develop a research mindset and learn how research is used to answer questions and support claims. Methods include secondary, quantitative, qualitative, textual, and critical research.

Credit Hours: 3

Prerequisite or Corequisite Courses: COM 101
Prerequisite Courses: COM 105 with a minimum grade of B.
University Studies: Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

COM 301 - Rhetorical Theory

Introduction to classical and contemporary theories of rhetoric from Plato to the present. Emphasis on

applying such theories for greater description, analysis, and evaluation of rhetorical process and outcomes.

Credit Hours: 3

Prerequisite Courses: COM 200 with a minimum grade of B
Additional Restrictions/Requirements: Restricted to COM majors.
Course Repeatability: Course may not be repeated.

COM 305 - Communication Theory

Theoretical perspectives concerning how and why people communicate. Emphasis on applying theories for greater description, analysis, and evaluation of the human communication processes and outcomes.

Credit Hours: 3

Prerequisite Courses: COM 200 with a minimum grade of B
Additional Restrictions/Requirements: Restricted to COM majors.
University Studies: Building Competencies/Writing

Intensive
Course Repeatability: Course may not be repeated.

COM 400 - Communication Studies Capstone

Reflection and synthesis of philosophical, theoretical, and applied dimensions of curriculum and other experiences as they apply to personal and professional aspirations. Students engage in a variety of assignments that demonstrate senior-level competence in the discipline and the student's chosen sub-disciplines of study.

Credit Hours: 3

Prerequisite Courses: COM 301 or COM 305.
Additional Restrictions/Requirements: Senior COM Studies Majors
Course Repeatability: Course may not be repeated.
Major Restriction COM Studies

- plus 24 additional hours of communication studies coursework
  At least 12 of these 24 hours must be at the 300 or 400 level.

At least three of these 12 must include a 400-level course other than COM 491 or COM 498.

Restrictions:

With respect to these 24 hours, note the following restrictions on the maximum number of credit hours from these courses:

COM 104 - Concepts in Communication Studies

Introduction to communication concepts central to interpersonal relationships, organizations, mass media and other contexts of communication. Focus on concepts and skills that have a practical impact on the student's understanding and practice of communication. Designed specifically for students not intending to become communication studies majors.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.

COM 160 - Engaging Contemporary Media

Exploration of the structures, systems, effects, conventions, and genres of contemporary media. Emphasis on improving media literacy to foster informed, critical, and discerning interaction with media.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behavior
Course Repeatability: Course may not be repeated.

COM 212 - Storytelling in the Community

Storytelling in real-life contexts with an emphasis on performing for elementary school children; theoretical foundations of performance strategies for participatory storytelling; audience-adaptation storytelling techniques for literary and personal stories. (A maximum of three hours may be used toward major degree requirements.)

Credit Hours: 3

Additional Restrictions/Requirements: Consent of

instructor.
Course Repeatability: Course may not be repeated.

COM 295 - Introductory Seminar in Communication Studies

Special topics in communication that are not explored in other courses. Additional restrictions based on topic.

Credit Hours: 1 To 3

Additional Restrictions/Requirements: PCOM and COM Majors or permission of instructor.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 9 **Repeat Limit:** 2
Major Restriction PCOM and COM Majors

COM 491 - Directed Individual Study

Involves investigation under faculty supervision beyond what is offered in existing upper-division courses. For further information, consult the Directed Individual Studies section in this catalogue.

Credit Hours: 1 To 6

Additional Restrictions/Requirements: Restricted to junior and senior COM majors, with overall GPA of at least 2.50 and consent of instructor, department chair, and dean.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 9 **Repeat Limit:** 2-8
Major Restriction COM

COM 495 - Advanced Seminar in Communication Studies

Advanced special topics in communication that are not dealt with in other courses. This course may be repeated under different subtitles. Additional restrictions may be required based on subtitle.

Credit Hours: 3

Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 9 **Repeat Limit:** 2
Major Restriction COM Majors

COM 498 - Internship in Communication Studies

Practical field experience within an organization, emphasizes reflection and application of communication theories, concepts and skills. May be repeated up to 3 times for 12 credit hours total, but only 3 credit hours count toward major. Does not fulfill COM 400-level additional course requirement.

Credit Hours: 3 or 6

Additional Restrictions/Requirements: Restricted to junior and senior COM majors, with overall GPA of at least 2.5 and consent of instructor, department chair, and dean.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12 **Repeat Limit:** 3
Additional Course Fee Schedule

Major Restriction COM Majors

Total: 42 hours

Additional Information:

A student may declare pre-communication studies (PCOM) as the intended major after earning a minimum 24 semester credit hours and a grade of "B" or above in COM 105. A PCOM major may declare communication studies (COM) as their major after earning a grade of "B" or above in COM 200. A student may repeat or audit one foundations class, either COM 105 or COM 200, one time in order to replace one grade lower than a "B" for admittance to the department. A final grade of "F" due to admitted or adjudicated academic dishonesty shall not be replaced if the course is repeated. Further, because it cannot be replaced, a failing grade in either COM 105 or COM 200 received due to admitted or adjudicated academic dishonesty shall be the grade considered for admission into the COM major and thus will disqualify a student from admission to the major. All UNCW continuing and transfer students are subject to this gateway requirement at the time of application.

A minimum "C" (2.00) average across the six core courses and 24 additional hours of communication studies coursework is required. Differently titled courses with the numbers 295 or 495 may be repeated for additional credit.

A maximum number of credit hours may be counted toward graduation from these courses as follows: COM 212 (8 hours), COM 491 (9 hours), COM 498 (12 hours).

COM 160 may be used to fulfill university studies or be counted toward the COM major but not both.

Computer Science, B.S.

The Department of Computer Science offers two programs of study leading to the Bachelor of Science degree in computer science. Both options prepare students to attend graduate school and to pursue career opportunities in computer science or closely related areas. Both options follow the systems-based approach set forth by the Association for Computing Machinery and the IEEE Computer Society for undergraduate degree programs in computer science.

Oral Communication Requirement

To satisfy the oral communication requirement for the B.S. degree in Computer Science a student must successfully complete either CSC 385 or CSC 495.

Applied Learning Requirement

To satisfy the applied learning requirement for the B.S. degree in Computer Science a student must successfully complete CSC 450 or CSC 355.

Requirements for a Major in Computer Science for the B.S. Degree

The Department of Computer Science offers two programs of study leading to the Bachelor of Science degree in computer science. Both options prepare students to attend graduate school and to pursue career opportunities in computer science or closely related areas. Both options follow the systems-based approach set forth by the Association for Computing Machinery and the IEEE Computer Society for undergraduate degree programs in computer science. A grade point average of "C" (2.00) or better computed over all the courses used to fulfill the requirements of the major is required; in addition, a grade point average of "C" (2.00) or better computed over all the CSC courses used to fulfill the requirements of the major is required.

A student must complete one of the following options to fulfill the degree requirements. Option 1 (Systems Option) covers the core of the Computer Science discipline and focuses on the study of the field from a scientific perspective. Option 2 (Applied Option) focuses on the use and application of Computer Science to other disciplines.

Systems Option (Option 1)

Option 1 (Systems Option), which is accredited by the Accreditation Board for Engineering and Technology (ABET), contains more thorough coverage of concepts in operating systems, scientific computing, and has more elective credit hours in upper-level computer science courses to allow you the flexibility to explore additional advanced topics.

CSC 131 - Introduction to Computer Science

Problem solving methods and algorithms in a modern high-level programming language. Introduces one or more programming environments. Emphasis on a programming style and the design, coding, and testing of complete programs. Recommended primarily for computer science majors.

Credit Hours: 4

Prerequisite Courses: MAT 112 or MAT 150 or MAT 160.
University Studies: Common Requirements/Critical Reasoning, Foundations/Mathematics and Statistics
Course Repeatability: Course may not be repeated. You must achieve a 'C' (2.00) or better if you intend to use this course as a prerequisite for another course.

CSC 133 - Discrete Mathematical Structures

Introduction to discrete mathematics applicable to computer science. Propositional and predicate logic, basic proof techniques, set algebra and Boolean algebra, recursion and induction, and introductory graphs and combinatorics.

Credit Hours: 3

Prerequisite Courses: MAT 112 or MAT 150 or MAT 160.
University Studies: Foundations/Mathematics and

Statistics
Course Repeatability: Course may not be repeated.

CSC 231 - Introduction to Data Structures

Study of basic data structures and their applications. Lists and trees; searching and sorting algorithms; hashing; analysis and design of efficient algorithms. Recommended for CSC majors only. A grade of 'C' (2.00) or better is required for taking courses for which CSC 231 is a prerequisite.

Credit Hours: 4

Corequisite Courses: CSC 133
Prerequisite Courses: CSC 131 with a minimum grade of C
Course Repeatability: Course may not be repeated.

CSC 242 - Computer Organization

Topics include data representation, CPU organization, I/O memory and communication, machine-level representation of programs, introduction to a modern instruction set, introduction to assembly language programming.

Credit Hours: 3

Prerequisite Courses: CSC 131 with a minimum grade of C and CSC 133
Course Repeatability: Course may not be repeated.

CSC 331 - Object-Oriented Programming and Design

Object-oriented programming with a focus on software modeling of objects, classes, methods, inheritance, interfaces, polymorphism, and multi-threading. Completion of a team software project is required.

Credit Hours: 3

Prerequisite Courses: CSC 231 with a minimum grade of C.
Additional Restrictions/Requirements: A grade of 'C' (2.00) or better is required for taking courses for which CSC 331 is a prerequisite.
Course Repeatability: Course may not be repeated.

CSC 340 - Scientific Computing

Introduction to the design, application, and performance of numerical algorithms fundamental to scientific computation. Topics may include error and error propagation; matrix applications such as finding solutions to linear systems, finding eigenvalues and eigenvectors, or finding linear principal components; optimization; basic Markov modeling; Fourier processing; and curve fitting. Emphasizes relative merits and implementations of algorithms.

Credit Hours: 3

Prerequisite Courses: CSC 231 with a minimum grade of C and MAT 162
Course Repeatability: Course may not be repeated.

CSC 342 - Operating Systems

Study of the internal operations of operating system. Topics include system services; CPU scheduling; multi-core scheduling; threading; computer security; privileges vs. user modes; memory management; virtual memory; file systems; disk scheduling; concurrent processes; semaphores; critical sections; synchronization.

Credit Hours: 3

Prerequisite or Corequisite Courses: CSC 331 with a minimum grade of "C", or instructor approval.
Prerequisite Courses: CSC 242.
Course Repeatability: Course may not be repeated.

CSC 355 - Database Design and Implementation

Introduction to database concepts and database management systems. Topics include data models (hierarchical, network, relational, parallel, distributed and NoSQL), data modeling, data description languages, data manipulation languages, database administration, data warehouses, and front-end development. A group project designing and implementing a relational database is required.

Prerequisite Courses: CSC 231 (with a minimum grade of C)
Additional Restrictions/Requirements: Junior or senior standing, or permission of instructor.
Course Repeatability: Course may not be repeated.

CSC 360 - Formal Languages and Computability

An introduction to theoretical computer science. Topics include regular expression and finite state concepts; basic automata theory; formal grammars and languages; computability; Turing machines; elementary recursive function theory.

Credit Hours: 3

Prerequisite Courses: CSC 231 with a minimum grade of C and CSC 242
Course Repeatability: Course may not be repeated.

CSC 380 - Design and Analysis of Algorithms

Algorithm design paradigms such as divide and conquer, greedy, and dynamic programming; techniques for algorithm analysis, such as asymptotic notations and estimates, as well as time/space trade-offs. Topics may include sorting, searching, scheduling, string matching, graph algorithms, amortized analysis, and computational geometry.

Credit Hours: 3

Prerequisite Courses: CSC 133 and CSC 231 with a

minimum grade of C and MAT 161
Course Repeatability: Course may not be repeated.

CSC 385 - Professional and Ethical Issues in Computing

Professional and ethical issues arising from the impact of computer science and related technologies on society. Topics include ethical issues, obligations of professional practice, privacy and security, intellectual property, work and health issues, and the impact of emerging technologies. Students give both oral and written presentations and discuss case studies.

Credit Hours: 3

Prerequisite Courses: ENG 101, and (CSC 131 with a minimum grade of "C").
Additional Restrictions/Requirements: Junior or senior standing in computer science or information technology or Digital Arts or Software Engineering
University Studies: Building Competencies/Writing Intensive, Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.
Major Restriction Computer Science or Information

Technology or Digital Arts or Software Engineering**Minor Restriction** Computer Science or Information Technology or Digital Arts or Software Engineering

CSC 434 - Programming Languages

Comparative study of programming languages from both theoretical and applied viewpoints. Typical issues include syntax and semantics, scope and binding times, storage allocation, parameter-passing techniques, control structures, run-time representation of programs and data. Detailed examples from the imperative, functional, parallel, object-oriented, and logical programming paradigms.

Credit Hours: 3

Prerequisite Courses: CSC 331 with a minimum grade of C and CSC 360
Course Repeatability: Course may not be repeated.

CSC 450 - Software Engineering

Study of the design and production of large and small software systems. Topics include systems engineering,

software life-cycle and characterization, use of software tools, and software quality attributes including product security. Substantial software project required.

Credit Hours: 3

Prerequisite Courses: CSC 331 with a minimum grade of C.
Additional Restrictions/Requirements: Senior standing.

University Studies: Building Competencies/Writing Intensive, Explorations Beyond the Classroom, Critical Reasoning
Course Repeatability: Course may not be repeated.
Major Restriction Computer Science, B.S., Three-Plus-Two Computer Science and Electrical or Computer Engineering Program**Minor Restriction** Computer Science

9 additional hours of 300-400 level CSC courses

MAT 161 - Calculus with Analytical Geometry I

Calculus of a single variable intended for students in the mathematical and natural sciences. Functions and

limits; differentiation with applications including maxima and minima, related rates, and approximations; theory of integration with applications; and transcendental functions.

Credit Hours: 4

Prerequisite Courses: MAT 112 or MAT 160, or satisfactory performance on the UNCW mathematics placement test.
University Studies: Foundations/Mathematics and Statistics, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

MAT 162 - Calculus with Analytical Geometry II

The second course in a three-course sequence. Further techniques and applications of integration; infinite sequences and series; conic sections, parametrized curves and polar coordinates; and, elementary differential equations.

Credit Hours: 4

Prerequisite Courses: MAT 161.

University Studies: Foundations/Mathematics and Statistics, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

STT 215 - Introduction to Statistics

Methods of data collection; numerical and graphical analyses of univariate and bivariate data; axioms of probability; conditional probability; independence; distributions of random variables; introduction to confidence intervals and hypothesis testing; simple linear regression and correlation; use of statistical software to analyze data and simulate random variables.

Credit Hours: 3

University Studies: Foundations/Mathematics and Statistics
Course Repeatability: Course may not be repeated.

One of the sequences with labs

PHY 201 - General Physics I

First semester of a two semester calculus-based introduction to the fundamental principles of physics for

the physical and mathematical sciences. Topics include kinematics, Newtonian statics and dynamics, gravitation, oscillations, and mechanical waves.

Credit Hours: 4

Prerequisite or Corequisite Courses: MAT 161
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

PHY 202 - General Physics II

Second semester of a two semester calculus-based introduction to the fundamental principles of physics for the physical and mathematical sciences. Topics include electric and magnetic fields, circuits, Maxwell's equations, electromagnetic waves, and optics.

Credit Hours: 4

Prerequisite or Corequisite Courses: MAT 162
Prerequisite Courses: PHY 201
Course Repeatability: Course may not be repeated.

or

BIO 201 - Principles of Biology: Cells

Introduction to principles governing living systems, especially the cellular and molecular basis of life and the transmission and utilization of genetic information. The lab for this course is BIOL 201.

Credit Hours: 3

Prerequisite or Corequisite Courses: BIOL 201
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

BIOL 201 - Principles of Biology: Cells Laboratory

Introduction to basic cell biology sampling techniques and data analysis. Experience in laboratory approaches to introduce basic investigative skills and methods of biological inquiry. This course is the lab for BIO 201.

Credit Hours: 1

Prerequisite or Corequisite Courses: BIO 201
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

BIO 202 - Principles of Biology: Biodiversity

Evolution, classification, and diversity of life, stressing morphology, physiology, principles of adaptation, and relationships between biotic and abiotic components of ecosystems. The lab for this course is BIOL 202.

Credit Hours: 3

Prerequisite or Corequisite Courses: BIOL 202
University Studies: Building Competencies/Information Literacy, Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

BIOL 202 - Principles of Biology: Biodiversity Laboratory

Introduction to basic biodiversity sampling techniques and data analysis. Experience in laboratory approaches to introduce major taxonomic groups and biotic principles. This course is the lab for BIO 202.

Credit Hours: 1

Prerequisite or Corequisite Courses: BIO 202
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

or

CHM 101 - General Chemistry I

Overview of the fundamental laws, principles and theories of chemistry. A 'C' or better in CHM 101 is required to take certain advanced courses in chemistry.

Credit Hours: 3

Corequisite Courses: CHML 101.
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural

World
Course Repeatability: Course may not be repeated.

CHML 101 - General Chemistry Laboratory I

Introduction to general chemistry laboratory techniques. This course is the lab companion course for general chemistry lecture CHM 101.

Credit Hours: 1

Corequisite Courses: CHM 101.
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

CHM 102 - General Chemistry II

Study of the fundamental laws, principles and theories of chemistry. Introduction to inorganic chemistry. Interpretation of experimental results. A 'C' or better in CHM 102 is required to take certain advanced courses in chemistry.

Credit Hours: 3

Corequisite Courses: CHML 102.
Prerequisite Courses: CHM 101 and CHML 101.
Course Repeatability: Course may not be repeated.

CHML 102 - General Chemistry Laboratory II

Introduction to techniques and equipment used in the chemical laboratory. Interpretation of experimental results. This course is the lab for CHM 102 .

Credit Hours: 1

Corequisite Courses: CHM 102.
Prerequisite Courses: CHML 101, CHM 101.
Course Repeatability: Course may not be repeated.

One additional course chosen from

CHM 101 - General Chemistry I

Overview of the fundamental laws, principles and theories of chemistry. A 'C' or better in CHM 101 is required to take certain advanced courses in chemistry.

Credit Hours: 3

Corequisite Courses: CHML 101.
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

CHML 101 - General Chemistry Laboratory I

Introduction to general chemistry laboratory techniques. This course is the lab companion course for general chemistry lecture CHM 101.

Credit Hours: 1

Corequisite Courses: CHM 101.
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

or

CHM 211 - Organic Chemistry I

Introduction to the chemistry of carbon compounds, including structure, reactions, mechanisms, and the concepts of organic synthesis. It is strongly

recommended that students take the lab (CHML 211) concurrently with the lecture. The lab for this course is CHML 211.

Credit Hours: 3

Prerequisite Courses: CHM 102
Course Repeatability: Course may not be repeated.

CHML 211 - Organic Chemistry Laboratory I

Introduction to reactions of organic compounds and basic laboratory techniques. This course is the lab for CHM 211.

Credit Hours: 1

Prerequisite or Corequisite Courses: CHM 211.
Prerequisite Courses: CHML 102
Course Repeatability: Course may not be repeated.

or

GLY 101 - Earth Revealed

An introduction to Geology covering fundamental topics including plate tectonics, geologic time, and Earth

materials with emphasis on how geology affects the natural environment, controls distribution of natural resources, and poses risks to humans. Contemporary issues covered include natural resource use (water, energy), geohazards, coastal processes, and climate change.

Credit Hours: 3

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World, Living in a Global Society
Course Repeatability: Course may not be repeated.

GLYL 101 - Earth Revealed Laboratory

Introduction to applied use of rock and mineral samples, maps, and models in geology. Topics include plate tectonics, mineral and rock identification and resources, geologic time, mountain building, earthquakes, volcanoes, river processes and flooding, groundwater, coastal processes and storms, energy, and climate change.

Credit Hours: 1

Prerequisite or Corequisite Courses: GLY 101.
University Studies: Approaches and Perspectives: Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

or

GLY 120 - Environmental Geology

Introduction to the relationships between man and his geologic environment. Concerned with the problems that people have in using the earth and the reaction of the earth to that use. Emphasis is placed on earth processes, earth resources, and properties of rocks and surficial deposits insofar as they are important to or affect human activities. The lab for this course is GLYL 120.

Credit Hours: 3

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

GLYL 120 - Environmental Geology Lab

Laboratory analysis of earth materials and resources. Applications of geologic principles to solving current environmental problems. This course is the lab for GLY 120.

Credit Hours: 1

Prerequisite Courses: Prerequisite or corequisite: GLY 120.
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

PHY 201 - General Physics I

First semester of a two semester calculus-based introduction to the fundamental principles of physics for the physical and mathematical sciences. Topics include kinematics, Newtonian statics and dynamics, gravitation, oscillations, and mechanical waves.

Credit Hours: 4

Prerequisite or Corequisite Courses: MAT 161
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

BIO 201 - Principles of Biology: Cells

Introduction to principles governing living systems, especially the cellular and molecular basis of life and the transmission and utilization of genetic information. The lab for this course is BIOL 201.

Credit Hours: 3

Prerequisite or Corequisite Courses: BIOL 201
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

BIOL 201 - Principles of Biology: Cells Laboratory

Introduction to basic cell biology sampling techniques and data analysis. Experience in laboratory approaches

to introduce basic investigative skills and methods of biological inquiry. This course is the lab for BIO 201.

Credit Hours: 1

Prerequisite or Corequisite Courses: BIO 201
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

BIO 202 - Principles of Biology: Biodiversity

Evolution, classification, and diversity of life, stressing morphology, physiology, principles of adaptation, and relationships between biotic and abiotic components of ecosystems. The lab for this course is BIOL 202.

Credit Hours: 3

Prerequisite or Corequisite Courses: BIOL 202
University Studies: Building Competencies/Information Literacy, Approaches and Perspectives/Scientific Approaches to the Natural

World
Course Repeatability: Course may not be repeated.

BIOL 202 - Principles of Biology: Biodiversity Laboratory

Introduction to basic biodiversity sampling techniques and data analysis. Experience in laboratory approaches to introduce major taxonomic groups and biotic principles. This course is the lab for BIO 202.

Credit Hours: 1

Prerequisite or Corequisite Courses: BIO 202
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

BIO 240 - Human Anatomy and Physiology I

Lecture must be taken concurrent with BIOL 240 . An introduction to the human organism with particular emphasis on maintenance of an internal steady state. Tissues, musculoskeletal, nervous, and endocrine systems are stressed. The lab for this course is BIOL

240.

Credit Hours: 3

Corequisite Courses: BIOL 240.
Prerequisite Courses: BIO 201 and CHM 101 and CHML 101.
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

BIOL 240 - Human Anatomy and Physiology Laboratory I

Basic histology, dissections, and physiology experiments to demonstrate principles explored in BIO 240. This course is the lab for BIO 240.

Credit Hours: 1

Prerequisite Courses: Prerequisite or corequisite: BIO 240.
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural

World
Course Repeatability: Course may not be repeated.

Total Credit Hours: 73

Applied Option (Option 2)

Option 2 is designed to give you a sound background in computer science and the opportunity for in-depth study of a computer science application area.

Students in the Artificial Intelligence, Digital Arts, Security, or Software Engineering concentration can take various special courses that could be used as substitutes for standard electives based on their relevance. These courses are "CSC 475 - Topics in Computer Science," "CSC 491 - Directed Individual Study," "CSC 498 - Internship in Computer Science," and "CSC 499 - Honors Work in Computer Science," which offer flexibility and individualized learning experiences. These options allow for personalized exploration or hands-on experience in specific areas, which can enrich the student's academic path depending on their interests. The use of these four courses must be advisor approved for a substitution.

CSC 131 - Introduction to Computer Science

Problem solving methods and algorithms in a modern high-level programming language. Introduces one or more programming environments. Emphasis on a programming style and the design, coding, and testing of complete programs. Recommended primarily for computer science majors.

Credit Hours: 4

Prerequisite Courses: MAT 112 or MAT 150 or MAT 160.
University Studies: Common Requirements/Critical Reasoning, Foundations/Mathematics and Statistics
Course Repeatability: Course may not be repeated. You must achieve a 'C' (2.00) or better if you intend to use this course as a prerequisite for another course.

CSC 133 - Discrete Mathematical Structures

Introduction to discrete mathematics applicable to computer science. Propositional and predicate logic, basic proof techniques, set algebra and Boolean algebra, recursion and induction, and introductory graphs and combinatorics.

Credit Hours: 3

Prerequisite Courses: MAT 112 or MAT 150 or MAT 160.
University Studies: Foundations/Mathematics and Statistics
Course Repeatability: Course may not be repeated.

CSC 231 - Introduction to Data Structures

Study of basic data structures and their applications. Lists and trees; searching and sorting algorithms; hashing; analysis and design of efficient algorithms. Recommended for CSC majors only. A grade of 'C' (2.00) or better is required for taking courses for which CSC 231 is a prerequisite.

Credit Hours: 4

Corequisite Courses: CSC 133
Prerequisite Courses: CSC 131 with a minimum grade of C
Course Repeatability: Course may not be repeated.

CSC 242 - Computer Organization

Topics include data representation, CPU organization, I/O memory and communication, machine-level representation of programs, introduction to a modern instruction set, introduction to assembly language programming.

Credit Hours: 3

Prerequisite Courses: CSC 131 with a minimum grade of C and CSC 133
Course Repeatability: Course may not be repeated.

CSC 331 - Object-Oriented Programming and Design

Object-oriented programming with a focus on software modeling of objects, classes, methods, inheritance, interfaces, polymorphism, and multi-threading. Completion of a team software project is required.

Credit Hours: 3

Prerequisite Courses: CSC 231 with a minimum grade of C.
Additional Restrictions/Requirements: A grade of 'C'

(2.00) or better is required for taking courses for which CSC 331 is a prerequisite.
Course Repeatability: Course may not be repeated.

CSC 344 - Computer Networks

Introduction to computer networks, focusing on Internet architecture and protocols. Topics include layered network architectures, addressing, naming, forwarding, routing, communication reliability, client-server model, distributed computing, web and email protocols, and network security. Students acquire practical experience by using a network protocol analyzer and programming reduced versions of real Internet protocols.

Credit Hours: 3

Prerequisite or Corequisite Courses: CSC 231 or CYBR 251, or instructor approval.
Course Repeatability: Course may not be repeated.

CSC 355 - Database Design and Implementation

Introduction to database concepts and database management systems. Topics include data models (hierarchical, network, relational, parallel, distributed

and NoSQL), data modeling, data description languages, data manipulation languages, database administration, data warehouses, and front-end development. A group project designing and implementing a relational database is required.

Prerequisite Courses: CSC 231 (with a minimum grade of C)
Additional Restrictions/Requirements: Junior or senior standing, or permission of instructor**.**
Course Repeatability: Course may not be repeated.

CSC 360 - Formal Languages and Computability

An introduction to theoretical computer science. Topics include regular expression and finite state concepts; basic automata theory; formal grammars and languages; computability; Turing machines; elementary recursive function theory.

Credit Hours: 3

Prerequisite Courses: CSC 231 with a minimum grade of C and CSC 242
Course Repeatability: Course may not be repeated.

CSC 380 - Design and Analysis of Algorithms

Algorithm design paradigms such as divide and conquer, greedy, and dynamic programming; techniques for algorithm analysis, such as asymptotic notations and estimates, as well as time/space trade-offs. Topics may include sorting, searching, scheduling, string matching, graph algorithms, amortized analysis, and computational geometry.

Credit Hours: 3

Prerequisite Courses: CSC 133 and CSC 231 with a minimum grade of C and MAT 161
Course Repeatability: Course may not be repeated.

CSC 385 - Professional and Ethical Issues in Computing

Professional and ethical issues arising from the impact of computer science and related technologies on society. Topics include ethical issues, obligations of professional practice, privacy and security, intellectual property, work and health issues, and the impact of emerging technologies. Students give both oral and written presentations and discuss case studies.

Credit Hours: 3

Prerequisite Courses: ENG 101, and (CSC 131 with a minimum grade of "C").
Additional Restrictions/Requirements: Junior or senior standing in computer science or information technology or Digital Arts or Software Engineering
University Studies: Building Competencies/Writing Intensive, Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.
Major Restriction Computer Science or Information Technology or Digital Arts or Software Engineering**Minor Restriction** Computer Science or Information Technology or Digital Arts or Software Engineering

CSC 434 - Programming Languages

Comparative study of programming languages from both theoretical and applied viewpoints. Typical issues include syntax and semantics, scope and binding times, storage allocation, parameter-passing techniques, control structures, run-time representation of programs and data. Detailed examples from the

imperative, functional, parallel, object-oriented, and logical programming paradigms.

Credit Hours: 3

Prerequisite Courses: CSC 331 with a minimum grade of C and CSC 360
Course Repeatability: Course may not be repeated.

CSC 450 - Software Engineering

Study of the design and production of large and small software systems. Topics include systems engineering, software life-cycle and characterization, use of software tools, and software quality attributes including product security. Substantial software project required.

Credit Hours: 3

Prerequisite Courses: CSC 331 with a minimum grade of C.
Additional Restrictions/Requirements: Senior standing.

University Studies: Building Competencies/Writing

Intensive, Explorations Beyond the Classroom, Critical Reasoning
Course Repeatability: Course may not be repeated.
Major Restriction Computer Science, B.S., Three-Plus-Two Computer Science and Electrical or Computer Engineering Program**Minor Restriction** Computer Science

6 additional hours of 300-400 level CSC courses

MAT 161 - Calculus with Analytical Geometry I

Calculus of a single variable intended for students in the mathematical and natural sciences. Functions and limits; differentiation with applications including maxima and minima, related rates, and approximations; theory of integration with applications; and transcendental functions.

Credit Hours: 4

Prerequisite Courses: MAT 112 or MAT 160, or satisfactory performance on the UNCW mathematics placement test.
University Studies: Foundations/Mathematics and

Statistics, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

MAT 162 - Calculus with Analytical Geometry II

The second course in a three-course sequence. Further techniques and applications of integration; infinite sequences and series; conic sections, parametrized curves and polar coordinates; and, elementary differential equations.

Credit Hours: 4

Prerequisite Courses: MAT 161.
University Studies: Foundations/Mathematics and Statistics, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

BAN 280 - Statistical Analysis for Business and Economics

Classification and presentation of business and economics data, probability and expected value, statistical inference, simple linear regression and correlation analysis.

Credit Hours: 3

Prerequisite Courses: MAT 111 or MAT 150.
University Studies: Foundations/Mathematics and Statistics
Course Repeatability: Course may not be repeated.

STT 215 - Introduction to Statistics

Methods of data collection; numerical and graphical analyses of univariate and bivariate data; axioms of probability; conditional probability; independence; distributions of random variables; introduction to confidence intervals and hypothesis testing; simple linear regression and correlation; use of statistical software to analyze data and simulate random variables.

Credit Hours: 3

University Studies: Foundations/Mathematics and Statistics
Course Repeatability: Course may not be repeated.

Artificial Intelligence Concentration (18 Credit Hours)

The Artificial Intelligence (AI) concentration is ideal for students who desire to learn how to program computer systems to 'learn' from data and perform complex tasks. AI includes studying topics such as generative AI, computer vision, natural language processing, robotics, machine learning, deep learning, and knowledge acquisition and representation.

Required Courses (9 hours):

- CSC 302 - Introduction to Artificial Intelligence
- CSC 322 - Data & Machine Learning
- CSC 340 - Scientific Computing

Concentration Electives (9 hours):

Choose three courses from the following:

- CSC 402 - Advanced Artificial Intelligence
- CSC 432 - Deep Machine Learning
- CSC 433 - Natural Language Processing
- CSC 452 - Computer Vision
- CSC 472 - Generative Deep Learning

Digital Arts Concentration (18 Credit Hours)

The Digital Arts concentration trains you in computer science, studio art, and the fusion of the two. You will

develop technical, aesthetic, analytical, and problem-solving skills to work in computer-art and design-related fields such as mobile application and web design, game development, visual effects, animation, film, interactive media, and other emerging opportunities at the intersection of computer technology and the arts.

Required Courses (15 hours):

- ART 101 - Two-Dimensional Design
- ART 260 - Introduction To Graphic Design
- CSC 220 - 3-D Computer Graphics Tools and Literacy
- CSC 320 - Computer Animation
- CSC 370 - Computer Graphics

Concentration Electives (3 hours):

Choose one course from the following:

- CSC 315 - Mobile Application Development
- CSC 365 - Client-Side Web Development
- CSC 368 - Visual Design for Multi-Media
- CSC 421 - Game Development
- CSC 430 - Digital Visual Effects
- CSC 461 - Virtual Reality
- CSC 465 - Server-Side Web Development

- CSC 491 - Directed Individual Study
- CSC 498 - Internship in Computer Science
- DART 475 - Special Topics in Digital Arts

Security Concentration (18 Credit Hours)

The Security concentration will teach you the mechanics of cryptography, computer security, software vulnerabilities, and network analysis. Graduates are prepared to design and implement secure hardware, software, and network systems.

Required Courses (15 hours):

- CYBR 201 - Fundamentals of Cybersecurity
- CYBR 343 - Systems Security
- CSC/CYBR 358 - Cyber Operations
- CSC 364 - Introduction to Cryptography
- CSC/CYBR 424 - Computer Security

Concentration Electives (3 hours):

Choose one course from the following:

- CSC 342 - Operating Systems
- CSC 351 - Applied Software Security
- CSC 427 - Quantum Cryptography
- CSC 451 - Software Assurance

- CSC 464 - Advanced Cryptography and Blockchain
- CSC 465 - Server-Side Web Development
- CSC 466 - Malware Analysis
- CSC 468 - Reverse Engineering
- CSC 470 - Hardware Security
- CYBR 345 - Blockchain and Decentralized Security
- CYBR 354 - Computer and Mobile Forensics
- CYBR 363 - Artificial Intelligence for Cybersecurity

Software Engineering Concentration (18 Credit Hours)

The software engineering concentration prepares you to create high-quality and secure software systems. Courses in this concentration emphasize modern tools, large projects, and practical experiences in developing software. Subjects include web development, mobile application development, and software security.

Concentration Electives (18 hours):

Select six courses, where two courses must be at the 400 level, from the following:

- CSC 315 - Mobile Application Development
- CSC 342 - Operating Systems
- CSC 351 - Applied Software Security

- CSC 365 - Client-Side Web Development
- CSC 368 - Visual Design for Multi-Media
- CSC 421 - Game Development
- CSC 451 - Software Assurance
- CSC 458 - Software Practicum
- CSC 461 - Virtual Reality
- CSC 465 - Server-Side Web Development

Other Concentrations (18-23 Credit Hours)

Computer Science majors can expand their studies by focusing on the sciences/business with the following concentrations. These concentrations earn a Minor in the chosen program.

- Biology: Complete the requirements for the Biology Minor.
- Business: Complete the requirements for the Business Minor.
- Chemistry: Complete the requirements for the Chemistry Minor.
- Geographic Information Systems: Complete requirements for the Geospatial Technologies Minor.

- Neuroscience: Complete requirements for the Neuroscience Minor.
- Statistics: Complete requirements for the Statistics Minor.

Total Credit Hours: 73-78 (core plus concentration)

- Option 2 with Artificial Intelligence Concentration (67 hours)
- Option 2 with Digital Arts Concentration (76 hours)
- Option 2 with Security Concentration (67 hours)
- Option 2 with Software Engineering Concentration (67 hours)
- Option 2 with Biology Concentration (76 hours)
- Option 2 with Business Concentration (77 hours)
- Option 2 with Chemistry Concentration (77 hours)
- Option 2 with Geographic Information Systems Concentration (78 hours)
- Option 2 with Neuroscience Concentration (78 hours)
- Option 2 with Statistics Concentration (73 hours)

Creative Writing, B.F.A.

The Department of Creative Writing offers a major leading to the Bachelor of Fine Arts degree, the

optional Certificate in Publishing, and a minor in creative writing. The Bachelor of Fine
Arts program offers an intensive apprenticeship in writing, informed by the close study of literature, to serious, aspiring writers, among a community of accomplished professional writers. The BFA degree provides training in the art of writing within the context of studies in aesthetics, the literary tradition, the craft and profession of publishing, and broad liberal arts subject matter relevant to the student's needs and goals. Students take writing workshops in all three of the department's writing genres: fiction, poetry, and creative nonfiction.

Oral Communication Requirement

To satisfy the oral communication requirement for the B.F.A. degree in Creative Writing, students must successfully complete CRW 496.

Applied-Learning Requirement

To satisfy the applied-learning requirement for the B.F.A. in Creative Writing, a student must successfully complete CRW 496.

Requirements for the Major in Creative Writing for the B.F.A. Degree

63 hours including 45 hours in core courses and 18 hours in related study:

Core Requirements: 45 hours

CRW 201 - Introduction to Creative Writing

Introduction to the principles and techniques of creative writing, aimed at developing the creative process. Includes lectures, reading, and writing exercises in poetry, fiction, and creative nonfiction.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives
Course Repeatability: Course may not be repeated.

CRW 203 - The Evolution of Creative Writing: Fiction, Poetry, and Creative Nonfiction

Introduction to the historical development of poetic, narrative, and other forms of creative writing. Analytical

and creative assignments develop student understanding of techniques such as metrics, point of view, and narrative structure. This course is a core requirement for the CRW major and CRW minor.

Credit Hours: 3

University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

CRW 207 - Fiction Writing I: Invention and Story Craft

Instruction in writing fiction, including critical evaluation by instructor and class of students' original works. Students also critique and relate to their own work the fiction of relevant professional authors.

Credit Hours: 3

Prerequisite Courses: Prerequisite:CRW 201, or prerequisite/corequisite: CRW 203.
Course Repeatability: Course may not be repeated.

CRW 208 - Poetry Writing I: Image and Pattern

Instruction in writing poetry, including critical evaluation by instructor and class of students' original works. Students also critique and relate to their own work the poetry of relevant professional poets.

Credit Hours: 3

Prerequisite Courses: Prerequisite: CRW 201; prerequisite or corequisite: CRW 203.
Course Repeatability: Course may not be repeated.

CRW 209 - Creative Nonfiction I: Discovery and Story Craft

Instruction in writing creative nonfiction, including critical evaluation by instructor and class of students' original works. Students also critique and relate to their own work, the work of relevant professional authors.

Credit Hours: 3

Prerequisite Courses: Prerequisite: CRW 201; prerequisite or corequisite: CRW 203.
Course Repeatability: Course may not be repeated.

CRW 300 - Research for Creative Writers

Instruction for writers of creative nonfiction, fiction, and poetry in searching electronic, print, and physical archives; historical artifacts; the geographical and built environment; and living sources, with special emphasis on interviewing techniques and ethics, and on integrating research into artistic writing.

Prerequisite Courses: CRW 209
Additional Restrictions/Requirements: A grade of C- or higher is required for the course to count toward the Major in Creative Writing or the Minor in Coastal and Environmental Writing. A grade point average of C (2.00) or higher is required for all courses counted toward the major or minor.
Course Repeatability: Course may not be repeated.
Major Restriction Pre-Creative Writing, Creative Writing**Minor Restriction** Coastal and Environmental Writing

One course in Reading for Craft:

CRW 302 - Creative Nonfiction: Reading for Craft

Study of the aesthetics and techniques of creative nonfiction and of the history of nonfictional forms such

as the memoir and the literary essay, as developed by classic and contemporary writers.

Credit Hours: 3

Prerequisite Courses: CRW 209
Additional Restrictions/Requirements: Restricted to CRW majors, pre-CRW majors, CRW minors.
Course Repeatability: Course may not be repeated.

CRW 303 - Poetry: Reading for Craft

Study of the aesthetics of poetry, poetic technique, and the history of poetic forms such as the ballad, the sonnet, the ode, and free verse, as developed by classic and contemporary writers.

Credit Hours: 3

Prerequisite Courses: CRW 208
Additional Restrictions/Requirements: Restricted to CRW majors, pre-CRW majors, CRW minors.
Course Repeatability: Course may not be repeated.

CRW 304 - Forms of Dramatic Writing

Study of the aesthetics of dramatic writing, dramatic technique, and the history of dramatic forms such as tragedy, comedy, the screenplay, and the musical, as developed by classic and contemporary writers.

Credit Hours: 3

Prerequisite Courses: CRW 207 or CRW 208 or CRW 209
Additional Restrictions/Requirements: Restricted to CRW majors, pre-CRW majors, CRW minors.
Course Repeatability: Course may not be repeated.

CRW 306 - Fiction: Reading for Craft

Study of the aesthetics and technique of fiction, and the history of fictional forms such as the epic, the short story, and the novel, as developed by classic and contemporary writers.

Credit Hours: 3

Prerequisite Courses: CRW 207
Additional Restrictions/Requirements: Restricted to

CRW majors and pre-CRW majors.
Course Repeatability: Course may not be repeated.

CRW 307 - Fiction Writing II: Voice and Vision

Techniques of writing fiction and development of the creative process, including writing exercises, editing, and workshop discussion.

Credit Hours: 3

Prerequisite Courses: CRW 207
Additional Restrictions/Requirements: Restricted to CRW and Pre-CRW majors.
Course Repeatability: Course may not be repeated.

CRW 308 - Poetry Writing II: Voice and Vision

Techniques of writing poetry and development of the creative process, including writing exercises, editing, and workshop discussion.

Credit Hours: 3

Prerequisite Courses: CRW 208
Course Repeatability: Course may not be repeated.

CRW 309 - Creative Nonfiction Writing II: Voice and Vision

Techniques of writing creative nonfiction and development of the creative process, including writing exercises, editing, and workshop discussion.

Credit Hours: 3

Prerequisite Courses: CRW 209
Course Repeatability: Course may not be repeated.

CRW 322 - Editing for Publication

Intensive course in applied self-editing. Course content focuses on grammar, spelling, writing mechanics, usage, precision, and best practices to prepare manuscripts for critique and consideration for publication. This core is a requirement for both the CRW major and the Certificate in Publishing.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: CRW 207 or CRW 208 or CRW 209.
Additional Restrictions/Requirements: Restricted to

CRW and Pre-CRW majors and CRW minors.
University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

2 courses in:

CRW 420 - Advanced Manuscript Workshop: (Topic)

Advanced manuscript writing workshop in a single genre or mixed genres of creative writing.

Credit Hours: 3

Corequisite Courses: CRW 302, CRW 303, CRW 304, or CRW 306.
Prerequisite Courses: CRW 307 or CRW 308 or CRW 309.
Additional Restrictions/Requirements: CRW majors only.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

6 hours in:

CRW 496 - Senior Seminar in Creative Writing

Seminar addressing issues of the profession, including preparing a manuscript for submission to publishers, publishing, advanced study, the writing life, ethics, and employment. Senior thesis, chapbook created in conjunction with the UNCW Publishing Laboratory, and public oral presentation of creative work required.

Credit Hours: 6

Prerequisite Courses: CRW 420 Advanced Manuscript Workshop: Topic
Additional Restrictions/Requirements: Prerequisite courses, restricted to senior class standing, CRW majors, and consent of the department.
University Studies: Building Competencies/Writing Intensive, Explorations Beyond the Classroom/Certified Internship Program, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.
Major Restriction BFA in Creative Writing

Related Study: 18 hours

18 hours, selected from these courses:

CRW 210 - Writing for Digital Media

Instruction in writing narrative as a foundation for digital-arts projects. Focus will be on the writing process, from story ideas to revised drafts, with the aim of applying the written works to digital-arts projects.

Credit Hours: 3

Prerequisite Courses: CRW 201 or CRW 203
Course Repeatability: Course may not be repeated.

CRW 305 - The Creative Process

Investigation through reading, lectures, discussions, writing, and exercises of the creative process in general and its particular application to literary art. Readings include studies of the creative process in a variety of other disciplines.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: CRW 207 or CRW 208 or CRW 209, or consent of instructor.
Course Repeatability: Course may not be repeated.

CRW 314 - Theory and Practice of Literary Translation

Introduction to the theory and practice of literary translation. Includes translation exercises, workshop discussion, reading on the history and theory of translation.

Credit Hours: 3

Prerequisite Courses: CRW 307 or CRW 308 or CRW 309
University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

CRW 315 - Special Topics in Creative Writing

An intensive study of a particular subject in creative writing. The course varies from semester to semester and to include such topics as the short story; contemporary poets and movements or writing and the visual arts.

Credit Hours: 3

Prerequisite Courses: CRW 207 or CRW 208 or CRW 209
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 9 **Repeat Limit:** 2

CRW 316 - Playwriting I

Intensive and imaginative exploration of playwriting through various exercises designed to foster and challenge personal creativity, ensure aesthetic understanding and application, while advancing fundamentals of craft. Concludes with the creation of a ten-minute play, or short form play.

Credit Hours: 3

Crosslisting: THR 316
Course Repeatability: Course may not be repeated.

CRW 318 - Screenwriting I: Introduction to Screenwriting

Theory and practice of screenwriting an emphasis on the fundamentals of narrative structure. Students write original scripts, including a short screenplay for possible use in FST 495.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: FST 201; or prerequisite:CRW 207 or CRW 208 or CRW 209; or consent of instructor.
Additional Restrictions/Requirements: Restricted to PCRW or CRW majors.
Crosslisting: FST 318
Course Repeatability: Course may not be repeated.

CRW 320 - Special Workshop in Writing

Workshop in one or more genres of creative writing.

Credit Hours: 1 To 3

Prerequisite Courses: CRW 207 or CRW 208 or CRW 209
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 9

CRW 321 - Introduction to Book Publishing

Introduction to the culture and commerce of books. Examines the life cycle of a book; the people and

processes involved in book publishing including editorial practice and the issues involved in editorial decision-making; and the business, economics, and ethics of the publishing industry. Engagement in a variety of publishing activities, such as a book proposal and mock book auction.

Credit Hours: 3

Prerequisite Courses: CRW 201
University Studies: Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

CRW 323 - Bookbuilding

Introduction to principles of effective graphic design and typography for book publishing, using desktop publishing applications in a computer lab setting and including hands-on production of several publications. Includes survey history and future trends in printing and publishing.

Credit Hours: 3

Prerequisite Courses: CRW 207 or CRW 208 or CRW 209
Additional Restrictions/Requirements: Prerequisite courses or consent of instructor.
Course Repeatability: Course may not be repeated.

CRW 324 - Special Topics in Publishing

Intensive examination of a special area of publishing, such as electronic publishing, editing poetry, or history of the book.

Credit Hours: 3

Prerequisite Courses: CRW 207 or CRW 208 or CRW 209
Additional Restrictions/Requirements: Prerequisite courses or consent of instructor.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 9

CRW 325 - Literary Magazine Practicum

Applied course in the publication of a literary journal. The practical business of running a literary magazine, including editorial, marketing, and sales decisions.

Assignments include reading submissions, proofreading and fact-checking, assisting in the creation and production of promotional materials, commenting on design decisions, selecting artwork/illustrations, and meeting production deadlines.

Credit Hours: 3

Prerequisite Courses: CRW 201
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6

CRW 350 - Beyond the BFA

Examines the prospects of the lives of creative writers beyond college. Focus is on career options for creative writers, job searches, graduate school applications, writing the resume, interviewing for jobs, submitting creative work for publication, and considering creative/alternative professional paths.

Credit Hours: 3

Additional Restrictions/Requirements: CRW majors

and Pre-CRW majors only.
Course Repeatability: Course may not be repeated.

CRW 418 - Screenwriting II: Writing the Feature Film

The craft of screenwriting applied to the feature form.

Credit Hours: 3

Prerequisite Courses: FST 318
Additional Restrictions/Requirements: Prerequisite course, restricted to CRW or FST majors, or consent of instructor.
Crosslisting: FST 418, FST 518
Course Repeatability: Course may not be repeated.

CRW 419 - Screenwriting III: Film Adaptation

Writing, revision, and completion of screen adaptation of literary work.

Credit Hours: 3

Prerequisite Courses: FST 318
Additional Restrictions/Requirements: Prerequisite

course or consent of instructor.
Crosslisting: FST 419, FST 519
Course Repeatability: Course may not be repeated.

CRW 425 - Advanced Topics in Publishing

Intensive examination of an advanced area of publishing, such as an area of specialization within book editing, book arts or design, the history of independent book or magazine publishng, or for a course taught by a guest instructor.

Credit Hours: 3

Prerequisite Courses: CRW 321 and CRW 323
Crosslisting: CRW 525
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

CRW 460 - Publishing Practicum

Practical course in book and periodical publishing, in conjunction with the CRW Publishing Laboratory. Hands-on experience editing, designing, and producing publications such as books, chapbooks, literary broadsides, and promotional materials.

Credit Hours: 1 To 3

Prerequisite Courses: CRW 323 and (CRW 321 or CRW 322)
Additional Restrictions/Requirements: Prerequisite courses or consent of instructor.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6

CRW 498 - CRW 498 - Internship in Writing - Bass

Academic training and practical writing experience through work in a private company or public agency. Faculty supervision and evaluation of all study and on-site activity. Open to students of junior or senior standing in all majors who have been approved by the faculty internship advisor.

Credit Hours: 1

Prerequisite Courses: CRW 209
Additional Restrictions/Requirements: Prerequisite course and nine additional hours of CRW writing

courses, of which at least three are at the 300-400 level. Open to students of junior or senior standing in all majors who have been approved by the faculty internship advisor.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6 **Repeat Limit:** 2

CRW 499 - Honors Work in Creative Writing

Independent study for honors students.

Credit Hours: 2 To 3

Additional Restrictions/Requirements: Eligibility for honors program and nine hours of literature or CRW writing courses (depending on project focus), at least three hours at the 300-400 level.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6

FNA 102 - Explorations in the Creative Process

Explorations of the creative process informed by a variety of allied arts including, but not limited to:

creative writing, music, painting, sculpture, theater, dance and film. Includes lectures, readings, and creative exercises.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives
Course Repeatability: Course may not be repeated.

Optional Non-Department Related Study, up to 6 hours

Up to 6 hours from these courses outside the Department of Creative Writing may count toward the 18 hours of Related Study: AFN 130–495; ARH 201–499, ART 101–499; CLA 209–345; ENG 190, 202–499; FST 200-499; FRH 209, 321, 322, 420, 421, 470; GER 209, 321, 331, 333; HST 101–499; LIB 101, 203; MUS 105–499; PAR 101–499; PRT 212; SPN 321, 322, 323, 421, 422; THR 110–499; WGS 210–495.

Total: 63 hours

Additional Information

Students may declare the major in Pre-Creative Writing upon completion of 24 credit hours. To gain admission to the full creative writing major and enter the BFA Program, Pre-Creative Writing majors must apply upon completion of the following courses:

- CRW 201 - Introduction to Creative Writing, with a grade of "C-" or higher
- CRW 203 - The Evolution of Creative Writing: Fiction, Poetry, and Creative Nonfiction, with a grade of "C-" or higher
- CRW 207 - Fiction Writing I: Invention and Story Craft
- CRW 208 - Poetry Writing I: Image and Pattern
- CRW 209 - Creative Nonfiction I: Discovery and Story Craft

A grade of B or higher is required in at least one of these: CRW 207, CRW 208, CRW 209.

Applications include an application page, plus a sample of the applicant's writing in fiction, poetry, and creative nonfiction. The department solicits applications in in the first month of classes during each semester. Applications are not accepted during the summer.

A grade of C- or higher is required in each course counted toward the major, and a grade point average of C (2.00) or higher for all courses counted toward the major.

Criminology, B.A.

none

Computer Requirement

To satisfy the computer requirement for the B.A. degree in Criminology a student must successfully complete CRM 301 (SOC 301).

Oral Communication Requirement

To satisfy the oral communication requirement for the B.A. degree in Criminology a student must successfully complete CRM 495 or CRM 496 (SOC 496) or CRM 499.

Applied Learning Requirement

To satisfy the applied learning requirement for the B.A. degree in Criminology a student must successfully complete one of the following: CRM 256 (SOC

256), CRM 300 (SOC 300), CRM 301 (SOC 301), CRM 490, CRML 490, or CRM 491.

Requirements for a Major in Criminology for the B.A. Degree

Core Courses (18 Credit Hours)

CRM 105 - Introduction to Criminal Justice

Study of criminal law and the criminal justice system in the U.S. Emphasis on structure and function of police, courts and corrections.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.

SOC 105 - Introduction to Sociology

Introduction to the scientific study of human society and social behavior.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

CRM 255 - Criminology

May not be taken for credit if student has already completed SOC 256 or CRM 256. The scientific study of the nature, extent, correlates and etiology of crime, with an emphasis on sociological theories of crime. Topics include crimes against persons and property, public order crimes, and both informal and formal reactions to crime.

Credit Hours: 3

Prerequisite Courses: CRM 105or SOC 105
University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Crosslisting: SOC 255
Course Repeatability: Course may not be repeated.

CRM 300 - Methods of Social Research

Introduction to logic and methods of sociological research. Topics include connections between theory and research, problem formulation and research design, conceptualization and measurement, sampling, modes of observation and analysis, ethical issues, and the political context of research. Open only to the students in the sociology or criminology major or minor.

Credit Hours: 3

Prerequisite or Corequisite Courses: STT 215 or MAT 101 or higher (excluding MAT 141 and MAT 142)
Prerequisite Courses: SOC 105 or CRM 105
University Studies: Building Competencies/Information Literacy
Crosslisting: SOC 300
Course Repeatability: Course may not be repeated.

CRM 301 - Sociological Data Analysis and Interpretation

Instruction in computer-assisted univariate and bivariate analysis and interpretation of social science

data. This course satisfies the department computer competency requirement.

Credit Hours: 3

Prerequisite Courses: CRM 105 or SOC 105, and CRM 300 or SOC 300, STT 215 or MAT 101 or higher (excluding MAT 141, MAT 142)
University Studies: Common Requirements/Critical Reasoning
Crosslisting: SOC 301
Course Repeatability: Course may not be repeated.

CRM 360 - Criminological Theory

The scientific study of criminological theories. Topics include causal logic, theory construction, evaluation of theories, the historical background and intellectual lineage of various criminological theories, and the current empirical evidence for tests of theories.

Credit Hours: 3

Prerequisite Courses: CRM 105, and SOC 255/CRM 255 or SOC 256/CRM 256.

University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

CRM / SOC Senior Seminar (option based on concentration choices below)

Concentrations (24 Credit Hours)

In addition, students must complete one of the concentrations below:

Option 1. Criminology

Primary Electives (6 Credit Hours)

CRM 310 - White Collar Crime

Study of crimes of the powerful and the privileged. Topics include: corporate crime; environmental crime; antitrust violations; political bribery; corruption; tax evasion; fraud; embezzlement; conflict of interest.

Credit Hours: 3

Prerequisite Courses: CRM 105
Course Repeatability: Course may not be repeated.

CRM 315 - Victimology

Role of victims in crime and criminal justice system. Special focus on sexual battery, battered women and child abuse.

Credit Hours: 3

Prerequisite Courses: CRM 105
Course Repeatability: Course may not be repeated.

CRM 370 - Racialization and the Criminal Justice System

Study of the relationships between racialization and criminalization. Exploration of the social, political and legal conceptions of "crime" and "justice" using critical perspectives and theories of crime.

Credit Hours: 3

Prerequisite Courses: CRM 105.
Additional Restrictions/Requirements: Prerequisite course plus 3 additional hours in CRM.
Course Repeatability: Course may not be repeated.

CRM 375 - Drugs and Crime

Examination of the impact of drug use upon families, communities and the criminal justice system. Special attention given to how drug laws have criminalized vast numbers of people within our society.

Credit Hours: 3

Prerequisite Courses: CRM 105
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

CRM 376 - Juvenile Delinquency

The analysis and description of the problem of juvenile delinquency as it exists in a changing contemporary society.

Credit Hours: 3

Prerequisite Courses: SOC 105
Crosslisting: SOC 376
Course Repeatability: Course may not be repeated.

CRM 377 - Restorative Justice

Study of restorative justice as a global and local reform strategy to provide meaningful justice options to people whose lives have been impacted by crime. Explores the theory, practice, and empirical findings associated with restorative justice. Applied learning is central to this class in that circle process is used throughout the semester as a platform for instruction.

Credit Hours: 3

Prerequisite Courses: CRM 105 and CRM 255 / SOC 255 or CRM 256 /SOC 256, or permission of instructor.
Course Repeatability: Course may not be repeated.

CRM 420 - Collective Violence

Analysis of group violence and its control. Topics include the theory and strategy of mass violence, terrorism, genocide, riots and revolutions, and historical and contemporary forms of warfare and the examination of case studies to identify the influence of society, culture, and politics on such events, as well as the impact these events have on society.

Credit Hours: 3

Prerequisite Courses: SOC 105 or CRM 105
Additional Restrictions/Requirements: Nine hours in CRM.
Course Repeatability: Course may not be repeated.

Secondary Electives (6 Credit Hours)

CRM 110 - Crime and Justice Issues

Critical issues and contemporary debates in crime and justice.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.

CRM 307 - Police in Society

Analysis of role and behavior of police in the U.S. Special attention to social environment and political climate affecting the police.

Credit Hours: 3

Prerequisite Courses: CRM 105
Course Repeatability: Course may not be repeated.

CRM 320 - Criminal Courts

Analysis of structure and function of U.S. criminal courts. Examines relationships among the courthouse work-group (police, prosecutor, defense attorney, judge) and the role of witnesses, victims, defendants and jurors.

Credit Hours: 3

Prerequisite Courses: CRM 105
Course Repeatability: Course may not be repeated.

CRM 330 - Corrections

Study of societal patterns of punishment, alternatives to incarceration, consequences of imprisonment and correctional strategies of rehabilitation and deterrence.

Credit Hours: 3

Prerequisite Courses: CRM 105
Course Repeatability: Course may not be repeated.

CRM 380 - Criminal Law

Basic concepts of statutory and common law. Topics include: definition of crime; elements of major crimes; criminal responsibility; defenses to criminal charges; inchoate and group criminality; and limitations of the criminal law. Special focus on North Carolina law.

Credit Hours: 3

Prerequisite Courses: CRM 105
Additional Restrictions/Requirements: Prerequisite course plus 3 additional hours in CRM.
Course Repeatability: Course may not be repeated.

CRM 381 - Criminal Procedure

Basic concepts of procedural law. Topics include the nationalization of the Bill of Rights, searchers, seizures, probable cause, warrants, arrest, self-incrimination, right to counsel, and double jeopardy.

Credit Hours: 3

Prerequisite Courses: CRM 105
Additional Restrictions/Requirements: Prerequisite course and 3 additional hours in CRM.
Course Repeatability: Course may not be repeated.

CRM 390 - Media, Crime, and Justice

Examination of the relationship between mass media, crime, and criminal justice with special emphasis on how media images affect crime and justice attitudes, ideology, and policy. Includes examination of entertainment and news media in both electronic and print forms.

Credit Hours: 3

Prerequisite Courses: CRM 105
Course Repeatability: Course may not be repeated.

CRM 395 - Topical Seminar

Discussion of selected topics in criminology and criminal justice.

Credit Hours: 3

Prerequisite Courses: CRM 105
Additional Restrictions/Requirements: Sophomore, junior, or senior standing.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6 **Repeat Limit:** 1

CRM 410 - World Criminal Justice Systems

Comparative study of criminal justice systems throughout the world. Attention to historical, structural, political, legal and philosophical similarities and differences.

Credit Hours: 3

Prerequisite Courses: CRM 105
Additional Restrictions/Requirements: Prerequisite course plus 6 additional hours in CRM.
Course Repeatability: Course may not be repeated.

CRM 460 - Crime and Public Policy

Study of crime policies in the justice system with emphasis on theoretical and empirical merits of various crime reduction strategies. Qualitative and quantitative

methods used to evaluate crime control policies.

Credit Hours: 3

Prerequisite Courses: CRM 105
Additional Restrictions/Requirements: Prerequisite course and 3 additional hours in CRM.
Course Repeatability: Course may not be repeated.

CRM 490 - Criminal Justice Practicum

Field placement in various criminal justice agencies. Integrates practical experience with classroom knowledge. Practicum students required to participate in one-hour weekly seminar (CRML 490). The lab for this course is CRML 490.

Credit Hours: 3

Corequisite Courses: CRML 490
Additional Restrictions/Requirements: Senior standing in criminology.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.

Maximum Repeatable Hours: 3
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

CRML 490 - Criminal Justice Laboratory

Classroom discussion of selected topics related to criminal justice practicum. This course is the lab for CRM 490.

Credit Hours: 1

Corequisite Courses: CRM 490
Course Repeatability: Course may not be repeated.

CRM 491 - Directed Individual Study

Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.

Credit Hours: 1 To 3

Additional Restrictions/Requirements: Junior or senior standing, overall GPA of at least 2.00, and

consent of instructor, department chair and dean.
University Studies: Explorations Beyond the Classroom/Certified Internship Program
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

Social Science Electives (9 Credit Hours)

FSC 211 - Fundamentals of Forensic Science

Survey of theories, methods, techniques and applications of various forensic science disciplines. Topics include but are not limited to: crime scene and death investigation; body identification; forensic biology and chemistry; pattern, trace, and imprint evidence analysis; and forensic behavioral science.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.

PSY 247 - Abnormal Psychology

An introduction to the symptoms and sequelae of behavioral disorders and major theories of the science of psychopathology or abnormal psychology.

Credit Hours: 3

Prerequisite Courses: PSY 105
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

PSY 275 - Forensic Psychology

Investigation of psychological factors relevant to the legal system including: eyewitness identification and false memories, confessions, jury decision making, the insanity defense and mental health law, expert psychological testimony in court, criminal profiling, risk management, treatment of the mentally ill in corrections.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 215 - Modern Social Problems

Contemporary social issues and conditions viewed as problematic, such as racism, sexism, crime, poverty, war, alienation, and deviance.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 220 - Sociology of Death and Dying

Examination of the sociological dimensions of death in modern society. The social organizational and cultural dimensions of death will be considered in terms of rites of passage, bureaucratization, social movements, cultural differences, and historical and contemporary contexts.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and

Behaviors
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 250 - Issues in Social Justice

Overview of the sociological study of social justice and policies that proclaim to promote social justice in the United States. Examines various forms of institutionalized inequality on the basis of social class, race/ethnicity, gender and sexuality.

Credit Hours: 3

Prerequisite Courses: SOC 105.
University Studies: Approaches and Perspectives/Living in a Diverse Nation
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 260 - Poverty Studies

Examination of the nature and extent of poverty in the United States. Discussion of poverty measurement, characteristics, poverty population, international comparisons, underlying causes of poverty and

government programs and policies that address poverty.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in Our Diverse Nation, Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 315 - Urban Sociology

Analysis of the history and development, social organization, and problems of the city.

Credit Hours: 3

Prerequisite Courses: SOC 105
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 321 - Immigration and U.S. Society

Sociological considerations of immigration with a focus on the U.S. Major topics include why people migrate,

the role of immigration and the immigration system in the larger society, how immigrants impact U.S. society, how social locations and institutions shape immigrants' lives.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors, Approaches and Perspectives/Living in a Diverse Nation
Course Repeatability: Course may not be repeated.

SOC 325 - Racial and Ethnic Group Relations

An examination of race and ethnicity in modern societies and social, economic, and political inequalities among racial and ethnic groups. Major topics include political-economic causes and consequences of prejudice, racism and institutional discrimination; social history of intergroup relations in the United States; comparative intergroup relations.

Credit Hours: 3

Prerequisite Courses: SOC 105
University Studies: Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 335 - The Sociology of Deviant Behavior

Analysis of certain behavior in terms of deviations from norms. Application of sociological and psychological concepts and theory to deviant behavior, and critical evaluation of non-sociological research and theories.

Credit Hours: 3

Prerequisite Courses: SOC 105
Crosslisting: CRM 335
Course Repeatability: Course may not be repeated.

SOC 340 - Organizations in Modern Society

An introduction to the dynamics of social life in large-scale organizations. Topics include organizational social psychology, organizational structure and process, and organization-community relations.

Credit Hours: 3

Prerequisite Courses: SOC 105
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 345 - Sociology of the Family

Origin and development of the family as a social institution from an historical and comparative approach; analysis of forms and functions of the family; socialization, mate selection, procreation.

Credit Hours: 3

Prerequisite Courses: SOC 105
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 347 - Sociology of Education

Historical-comparative sociological analysis of formal education systems in modern societies. Examination of sociological theories of education as they apply to political economy, stratification, social selection, cultural reproduction, and social change.

Credit Hours: 3

Prerequisite Courses: SOC 105.
University Studies: Approaches and Perspectives/Living in a Diverse Nation, Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 350 - Gender and Society

Focus on gender in social life. Theoretical explanations of gender differentiation, with an emphasis on socialization, stratification, family, work, education, politics, and social change.

Credit Hours: 3

Prerequisite Courses: SOC 105
University Studies: Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 360 - Social Theory

An introduction to major theoretical perspectives in sociology including functional theory; conflict theory; exchange theory; interactionist theory; and structural theory.

Credit Hours: 3

Prerequisite Courses: SOC 105
Additional Restrictions/Requirements: Prerequisite course and six additional hours in sociology.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 365 - Social Psychology

A sociological analysis of human social interaction. Topics include symbolic interaction, socialization, interpersonal relations. Focus is on social and cultural influences on individual and group behavior.

Credit Hours: 3

Prerequisite Courses: SOC 105
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 376 - Juvenile Delinquency

The analysis and description of the problem of juvenile delinquency as it exists in a changing contemporary society.

Credit Hours: 3

Prerequisite Courses: SOC 105
Crosslisting: CRM 376
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 380 - Social Classes

Examination of social stratification as the system of distribution of privilege, power and prestige in modern and traditional societies. Discussion of major theories and theorists of stratification; the structure and process of systems of social inequality; the causes, correlates and consequences of socially structured inequality.

Credit Hours: 3

Prerequisite Courses: SOC 105

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 433 - Sociology of Mental Disorder

Examination of the influences of race, social class, gender, and age on the incidence and prevalence of mental disorder. Consideration of the institutions that help those with mental disorders. Review of mental health law, including definitions of dangerousness, insanity as defense, mental health courts, and the right to treatment.

Credit Hours: 3

Prerequisite Courses: SOC 105.
University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 449 - Sociology of Law

Analysis of the role of law in society. Special emphasis given to the relationship between law and social

organization and the relation of sociocultural changes to substantive and procedural aspects of law. Law viewed as a collectivistic-individualistic process and as a reflection of sociocultural values.

Credit Hours: 3

Prerequisite Courses: SOC 105.
Additional Restrictions/Requirements: Junior or senior standing.
Crosslisting: CRM 449
Course Repeatability: Course may not be repeated.

Senior Seminar (3 Credit Hours)

CRM 495 - Senior Seminar

A topical seminar for students to apply the theories and methods they have learned as a major. Fulfills oral competency requirement. The seminar is the capstone course for majors.

Credit Hours: 3

Prerequisite Courses: CRM 255 (SOC 255), or CRM

256 (SOC 256), CRM 301 (SOC 301), CRM 360.
Additional Restrictions/Requirements: Prerequisite courses and senior standing.
University Studies: Building Competencies/Writing Intensive, Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

CRM 499 - Honors Work in Criminal Justice

Independent work for honors students in which students apply criminological theory and methods to a major research project and paper that is then presented orally before an examining committee. Honors work is typically completed in two 3 credit hour semesters. **This course serves as an alternative to the CRM 495capstone requirement for criminology majors.**Satisfies College of Arts and Sciences oral communication requirement.

Credit Hours: 2 To 3

Prerequisite Courses: (CRM 255 or CRM 256) and CRM 300 and CRM 301
Additional Restrictions/Requirements: Junior or senior standing, prerequisite courses, and eligibility for

honors program.
University Studies: Writing Intensive, Information Literacy, Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6

Option 2. Criminal Justice (24 Credit Hours)

Primary Electives (6 Credit Hours)

CRM 307 - Police in Society

Analysis of role and behavior of police in the U.S. Special attention to social environment and political climate affecting the police.

Credit Hours: 3

Prerequisite Courses: CRM 105
Course Repeatability: Course may not be repeated.

CRM 320 - Criminal Courts

Analysis of structure and function of U.S. criminal courts. Examines relationships among the courthouse work-group (police, prosecutor, defense attorney, judge) and the role of witnesses, victims, defendants

and jurors.

Credit Hours: 3

Prerequisite Courses: CRM 105
Course Repeatability: Course may not be repeated.

CRM 330 - Corrections

Study of societal patterns of punishment, alternatives to incarceration, consequences of imprisonment and correctional strategies of rehabilitation and deterrence.

Credit Hours: 3

Prerequisite Courses: CRM 105
Course Repeatability: Course may not be repeated.

CRM 377 - Restorative Justice

Study of restorative justice as a global and local reform strategy to provide meaningful justice options to people whose lives have been impacted by crime. Explores the theory, practice, and empirical findings associated with restorative justice. Applied learning is central to this class in that circle process is used throughout the

semester as a platform for instruction.

Credit Hours: 3

Prerequisite Courses: CRM 105 and CRM 255 / SOC 255 or CRM 256 /SOC 256, or permission of instructor.
Course Repeatability: Course may not be repeated.

CRM 380 - Criminal Law

Basic concepts of statutory and common law. Topics include: definition of crime; elements of major crimes; criminal responsibility; defenses to criminal charges; inchoate and group criminality; and limitations of the criminal law. Special focus on North Carolina law.

Credit Hours: 3

Prerequisite Courses: CRM 105
Additional Restrictions/Requirements: Prerequisite course plus 3 additional hours in CRM.
Course Repeatability: Course may not be repeated.

CRM 381 - Criminal Procedure

Basic concepts of procedural law. Topics include the nationalization of the Bill of Rights, searchers, seizures, probable cause, warrants, arrest, self-incrimination, right to counsel, and double jeopardy.

Credit Hours: 3

Prerequisite Courses: CRM 105
Additional Restrictions/Requirements: Prerequisite course and 3 additional hours in CRM.
Course Repeatability: Course may not be repeated.

CRM 460 - Crime and Public Policy

Study of crime policies in the justice system with emphasis on theoretical and empirical merits of various crime reduction strategies. Qualitative and quantitative methods used to evaluate crime control policies.

Credit Hours: 3

Prerequisite Courses: CRM 105
Additional Restrictions/Requirements: Prerequisite course and 3 additional hours in CRM.
Course Repeatability: Course may not be repeated.

Secondary Electives (6 Credit Hours)

CRM 110 - Crime and Justice Issues

Critical issues and contemporary debates in crime and justice.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.

CRM 310 - White Collar Crime

Study of crimes of the powerful and the privileged. Topics include: corporate crime; environmental crime; antitrust violations; political bribery; corruption; tax evasion; fraud; embezzlement; conflict of interest.

Credit Hours: 3

Prerequisite Courses: CRM 105
Course Repeatability: Course may not be repeated.

CRM 315 - Victimology

Role of victims in crime and criminal justice system. Special focus on sexual battery, battered women and child abuse.

Credit Hours: 3

Prerequisite Courses: CRM 105
Course Repeatability: Course may not be repeated.

CRM 335 - The Sociology of Deviant Behavior

Analysis of certain behavior in terms of deviations from norms. Application of sociological and psychological concepts and theory to deviant behavior, and critical evaluation of non-sociological research and theories.

Credit Hours: 3

Prerequisite Courses: SOC 105.
Crosslisting: SOC 335.
Course Repeatability: Course may not be repeated.

CRM 370 - Racialization and the Criminal Justice System

Study of the relationships between racialization and criminalization. Exploration of the social, political and legal conceptions of "crime" and "justice" using critical perspectives and theories of crime.

Credit Hours: 3

Prerequisite Courses: CRM 105.
Additional Restrictions/Requirements: Prerequisite course plus 3 additional hours in CRM.
Course Repeatability: Course may not be repeated.

CRM 375 - Drugs and Crime

Examination of the impact of drug use upon families, communities and the criminal justice system. Special attention given to how drug laws have criminalized vast numbers of people within our society.

Credit Hours: 3

Prerequisite Courses: CRM 105
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

CRM 376 - Juvenile Delinquency

The analysis and description of the problem of juvenile delinquency as it exists in a changing contemporary society.

Credit Hours: 3

Prerequisite Courses: SOC 105
Crosslisting: SOC 376
Course Repeatability: Course may not be repeated.

CRM 390 - Media, Crime, and Justice

Examination of the relationship between mass media, crime, and criminal justice with special emphasis on how media images affect crime and justice attitudes, ideology, and policy. Includes examination of entertainment and news media in both electronic and print forms.

Credit Hours: 3

Prerequisite Courses: CRM 105
Course Repeatability: Course may not be repeated.

CRM 394 - Departmental Study Abroad

This course designation is for students studying abroad and taking a course offered by their study abroad institution that does not transfer in as a Criminology course. This allows students to apply this course to their major.

Credit Hours: 3

Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12 **Repeat Limit:** 3

CRM 395 - Topical Seminar

Discussion of selected topics in criminology and criminal justice.

Credit Hours: 3

Prerequisite Courses: CRM 105
Additional Restrictions/Requirements: Sophomore, junior, or senior standing.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6 **Repeat Limit:** 1

CRM 410 - World Criminal Justice Systems

Comparative study of criminal justice systems throughout the world. Attention to historical, structural, political, legal and philosophical similarities and differences.

Credit Hours: 3

Prerequisite Courses: CRM 105
Additional Restrictions/Requirements: Prerequisite course plus 6 additional hours in CRM.
Course Repeatability: Course may not be repeated.

CRM 420 - Collective Violence

Analysis of group violence and its control. Topics include the theory and strategy of mass violence, terrorism, genocide, riots and revolutions, and historical and contemporary forms of warfare and the examination of case studies to identify the influence of society, culture, and politics on such events, as well as the impact these events have on society.

Credit Hours: 3

Prerequisite Courses: SOC 105 or CRM 105
Additional Restrictions/Requirements: Nine hours in CRM.
Course Repeatability: Course may not be repeated.

CRM 449 - Sociology of Law

Analysis of the role of law in society. Special emphasis given to the relationship between law and social organization and the relation of sociocultural changes to substantive and procedural aspects of law. Law viewed as a collectivistic-individualistic process and as a reflection of sociocultural values.

Credit Hours: 3

Prerequisite Courses: SOC 105
Additional Restrictions/Requirements: Junior or Senior Standing
Crosslisting: SOC 449
Course Repeatability: Course may not be repeated.

CRM 490 - Criminal Justice Practicum

Field placement in various criminal justice agencies. Integrates practical experience with classroom

knowledge. Practicum students required to participate in one-hour weekly seminar (CRML 490). The lab for this course is CRML 490.

Credit Hours: 3

Corequisite Courses: CRML 490
Additional Restrictions/Requirements: Senior standing in criminology.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

CRML 490 - Criminal Justice Laboratory

Classroom discussion of selected topics related to criminal justice practicum. This course is the lab for CRM 490.

Credit Hours: 1

Corequisite Courses: CRM 490
Course Repeatability: Course may not be repeated.

CRM 491 - Directed Individual Study

Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.

Credit Hours: 1 To 3

Additional Restrictions/Requirements: Junior or senior standing, overall GPA of at least 2.00, and consent of instructor, department chair and dean.
University Studies: Explorations Beyond the Classroom/Certified Internship Program
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

Social Science Electives (9 Credit Hours)

FSC 211 - Fundamentals of Forensic Science

Survey of theories, methods, techniques and applications of various forensic science disciplines. Topics include but are not limited to: crime scene and

death investigation; body identification; forensic biology and chemistry; pattern, trace, and imprint evidence analysis; and forensic behavioral science.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.

PSY 247 - Abnormal Psychology

An introduction to the symptoms and sequelae of behavioral disorders and major theories of the science of psychopathology or abnormal psychology.

Credit Hours: 3

Prerequisite Courses: PSY 105
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

PSY 275 - Forensic Psychology

Investigation of psychological factors relevant to the legal system including: eyewitness identification and false memories, confessions, jury decision making, the insanity defense and mental health law, expert psychological testimony in court, criminal profiling, risk management, treatment of the mentally ill in corrections.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 215 - Modern Social Problems

Contemporary social issues and conditions viewed as problematic, such as racism, sexism, crime, poverty, war, alienation, and deviance.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 220 - Sociology of Death and Dying

Examination of the sociological dimensions of death in modern society. The social organizational and cultural dimensions of death will be considered in terms of rites of passage, bureaucratization, social movements, cultural differences, and historical and contemporary contexts.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 250 - Issues in Social Justice

Overview of the sociological study of social justice and policies that proclaim to promote social justice in the United States. Examines various forms of institutionalized inequality on the basis of social class,

race/ethnicity, gender and sexuality.

Credit Hours: 3

Prerequisite Courses: SOC 105.
University Studies: Approaches and Perspectives/Living in a Diverse Nation
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 260 - Poverty Studies

Examination of the nature and extent of poverty in the United States. Discussion of poverty measurement, characteristics, poverty population, international comparisons, underlying causes of poverty and government programs and policies that address poverty.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in Our Diverse Nation, Explorations Beyond the Classroom

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 315 - Urban Sociology

Analysis of the history and development, social organization, and problems of the city.

Credit Hours: 3

Prerequisite Courses: SOC 105
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 321 - Immigration and U.S. Society

Sociological considerations of immigration with a focus on the U.S. Major topics include why people migrate, the role of immigration and the immigration system in the larger society, how immigrants impact U.S. society, how social locations and institutions shape immigrants' lives.

Credit Hours: 3

University Studies: Approaches and

Perspectives/Understanding Human Institutions and Behaviors, Approaches and Perspectives/Living in a Diverse Nation
Course Repeatability: Course may not be repeated.

SOC 325 - Racial and Ethnic Group Relations

An examination of race and ethnicity in modern societies and social, economic, and political inequalities among racial and ethnic groups. Major topics include political-economic causes and consequences of prejudice, racism and institutional discrimination; social history of intergroup relations in the United States; comparative intergroup relations.

Credit Hours: 3

Prerequisite Courses: SOC 105
University Studies: Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 335 - The Sociology of Deviant Behavior

Analysis of certain behavior in terms of deviations from norms. Application of sociological and psychological concepts and theory to deviant behavior, and critical evaluation of non-sociological research and theories.

Credit Hours: 3

Prerequisite Courses: SOC 105
Crosslisting: CRM 335
Course Repeatability: Course may not be repeated.

SOC 340 - Organizations in Modern Society

An introduction to the dynamics of social life in large-scale organizations. Topics include organizational social psychology, organizational structure and process, and organization-community relations.

Credit Hours: 3

Prerequisite Courses: SOC 105
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 345 - Sociology of the Family

Origin and development of the family as a social institution from an historical and comparative approach; analysis of forms and functions of the family; socialization, mate selection, procreation.

Credit Hours: 3

Prerequisite Courses: SOC 105
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 347 - Sociology of Education

Historical-comparative sociological analysis of formal education systems in modern societies. Examination of sociological theories of education as they apply to political economy, stratification, social selection, cultural reproduction, and social change.

Credit Hours: 3

Prerequisite Courses: SOC 105.
University Studies: Approaches and Perspectives/Living in a Diverse Nation, Understanding Human Institutions and Behaviors

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 350 - Gender and Society

Focus on gender in social life. Theoretical explanations of gender differentiation, with an emphasis on socialization, stratification, family, work, education, politics, and social change.

Credit Hours: 3

Prerequisite Courses: SOC 105
University Studies: Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 360 - Social Theory

An introduction to major theoretical perspectives in sociology including functional theory; conflict theory; exchange theory; interactionist theory; and structural theory.

Credit Hours: 3

Prerequisite Courses: SOC 105
Additional Restrictions/Requirements: Prerequisite course and six additional hours in sociology.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 365 - Social Psychology

A sociological analysis of human social interaction. Topics include symbolic interaction, socialization, interpersonal relations. Focus is on social and cultural influences on individual and group behavior.

Credit Hours: 3

Prerequisite Courses: SOC 105
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 376 - Juvenile Delinquency

The analysis and description of the problem of juvenile delinquency as it exists in a changing contemporary society.

Credit Hours: 3

Prerequisite Courses: SOC 105
Crosslisting: CRM 376
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 380 - Social Classes

Examination of social stratification as the system of distribution of privilege, power and prestige in modern and traditional societies. Discussion of major theories and theorists of stratification; the structure and process of systems of social inequality; the causes, correlates and consequences of socially structured inequality.

Credit Hours: 3

Prerequisite Courses: SOC 105
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 433 - Sociology of Mental Disorder

Examination of the influences of race, social class, gender, and age on the incidence and prevalence of

mental disorder. Consideration of the institutions that help those with mental disorders. Review of mental health law, including definitions of dangerousness, insanity as defense, mental health courts, and the right to treatment.

Credit Hours: 3

Prerequisite Courses: SOC 105.
University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 449 - Sociology of Law

Analysis of the role of law in society. Special emphasis given to the relationship between law and social organization and the relation of sociocultural changes to substantive and procedural aspects of law. Law viewed as a collectivistic-individualistic process and as a reflection of sociocultural values.

Credit Hours: 3

Prerequisite Courses: SOC 105.
Additional Restrictions/Requirements: Junior or senior standing.
Crosslisting: CRM 449
Course Repeatability: Course may not be repeated.

Senior Seminar (3 Credit Hours):

CRM 495 - Senior Seminar

A topical seminar for students to apply the theories and methods they have learned as a major. Fulfills oral competency requirement. The seminar is the capstone course for majors.

Credit Hours: 3

Prerequisite Courses: CRM 255 (SOC 255), or CRM 256 (SOC 256), CRM 301 (SOC 301), CRM 360.
Additional Restrictions/Requirements: Prerequisite courses and senior standing.
University Studies: Building Competencies/Writing Intensive, Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

CRM 499 - Honors Work in Criminal Justice

Independent work for honors students in which students apply criminological theory and methods to a major research project and paper that is then presented orally before an examining committee. Honors work is typically completed in two 3 credit hour semesters. **This course serves as an alternative to the CRM 495capstone requirement for criminology majors.**Satisfies College of Arts and Sciences oral communication requirement.

Credit Hours: 2 To 3

Prerequisite Courses: (CRM 255 or CRM 256) and CRM 300 and CRM 301
Additional Restrictions/Requirements: Junior or senior standing, prerequisite courses, and eligibility for honors program.
University Studies: Writing Intensive, Information Literacy, Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6

Option 3. Public Criminology (21 Credit Hours)

This option provides students with intensive training in using sociology/criminology to inform real life social issues. Students will engage in activities that seek to address social problems within the local community and disseminate these research findings beyond the academy. In addition to the required core courses, students must complete:

Senior Seminars (9 Credit Hours)

CRM 391 - Public and Applied Sociology and Criminology Seminar

Application of sociological tools to real-life issues in a variety of social settings. Methods may include surveys, interviews, focus groups, secondary data analysis, and evaluation applications. Development of proposals for research projects conducted in a second, sequenced course in the following semester.

Credit Hours: 3

Prerequisite or Corequisite Courses: SOC 301 or CRM 301.
Prerequisite Courses: SOC 300 or CRM 300, and CRM 360.

University Studies: Building Competencies/Information Literacy, Explorations Beyond the Classroom
Crosslisting: SOC 391
Course Repeatability: Course may not be repeated.

CRM 496 - Practicum in Public and Applied Sociology and Criminology

Completion of student research proposed and approved in CRM/SOC 391, as well as completion of a practicum or internship. The second course in a two-semester capstone sequence.

Credit Hours: 6

Prerequisite Courses: SOC 300 or CRM 300, and SOC 301 or CRM 301, and CRM 360, and SOC 391 or CRM 391.
Additional Restrictions/Requirements: Junior or senior class standing.
University Studies: Building Competencies/Writing Intensive, Explorations Beyond the Classroom, Common Requirements/Critical Reasoning

Crosslisting: SOC 496
Course Repeatability: Course may not be repeated.

Electives (12 Credit Hours)

CRM 110 - Crime and Justice Issues

Critical issues and contemporary debates in crime and justice.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.

CRM 307 - Police in Society

Analysis of role and behavior of police in the U.S. Special attention to social environment and political climate affecting the police.

Credit Hours: 3

Prerequisite Courses: CRM 105
Course Repeatability: Course may not be repeated.

CRM 310 - White Collar Crime

Study of crimes of the powerful and the privileged. Topics include: corporate crime; environmental crime; antitrust violations; political bribery; corruption; tax evasion; fraud; embezzlement; conflict of interest.

Credit Hours: 3

Prerequisite Courses: CRM 105
Course Repeatability: Course may not be repeated.

CRM 315 - Victimology

Role of victims in crime and criminal justice system. Special focus on sexual battery, battered women and child abuse.

Credit Hours: 3

Prerequisite Courses: CRM 105
Course Repeatability: Course may not be repeated.

CRM 320 - Criminal Courts

Analysis of structure and function of U.S. criminal courts. Examines relationships among the courthouse

work-group (police, prosecutor, defense attorney, judge) and the role of witnesses, victims, defendants and jurors.

Credit Hours: 3

Prerequisite Courses: CRM 105
Course Repeatability: Course may not be repeated.

CRM 330 - Corrections

Study of societal patterns of punishment, alternatives to incarceration, consequences of imprisonment and correctional strategies of rehabilitation and deterrence.

Credit Hours: 3

Prerequisite Courses: CRM 105
Course Repeatability: Course may not be repeated.

CRM 370 - Racialization and the Criminal Justice System

Study of the relationships between racialization and criminalization. Exploration of the social, political and legal conceptions of "crime" and "justice" using critical

perspectives and theories of crime.

Credit Hours: 3

Prerequisite Courses: CRM 105.
Additional Restrictions/Requirements: Prerequisite course plus 3 additional hours in CRM.
Course Repeatability: Course may not be repeated.

CRM 375 - Drugs and Crime

Examination of the impact of drug use upon families, communities and the criminal justice system. Special attention given to how drug laws have criminalized vast numbers of people within our society.

Credit Hours: 3

Prerequisite Courses: CRM 105
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

CRM 376 - Juvenile Delinquency

The analysis and description of the problem of juvenile delinquency as it exists in a changing contemporary society.

Credit Hours: 3

Prerequisite Courses: SOC 105
Crosslisting: SOC 376
Course Repeatability: Course may not be repeated.

CRM 380 - Criminal Law

Basic concepts of statutory and common law. Topics include: definition of crime; elements of major crimes; criminal responsibility; defenses to criminal charges; inchoate and group criminality; and limitations of the criminal law. Special focus on North Carolina law.

Credit Hours: 3

Prerequisite Courses: CRM 105
Additional Restrictions/Requirements: Prerequisite course plus 3 additional hours in CRM.
Course Repeatability: Course may not be repeated.

CRM 381 - Criminal Procedure

Basic concepts of procedural law. Topics include the nationalization of the Bill of Rights, searchers, seizures, probable cause, warrants, arrest, self-incrimination, right to counsel, and double jeopardy.

Credit Hours: 3

Prerequisite Courses: CRM 105
Additional Restrictions/Requirements: Prerequisite course and 3 additional hours in CRM.
Course Repeatability: Course may not be repeated.

CRM 390 - Media, Crime, and Justice

Examination of the relationship between mass media, crime, and criminal justice with special emphasis on how media images affect crime and justice attitudes, ideology, and policy. Includes examination of entertainment and news media in both electronic and print forms.

Credit Hours: 3

Prerequisite Courses: CRM 105
Course Repeatability: Course may not be repeated.

CRM 395 - Topical Seminar

Discussion of selected topics in criminology and criminal justice.

Credit Hours: 3

Prerequisite Courses: CRM 105
Additional Restrictions/Requirements: Sophomore, junior, or senior standing.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6 **Repeat Limit:** 1

CRM 410 - World Criminal Justice Systems

Comparative study of criminal justice systems throughout the world. Attention to historical, structural, political, legal and philosophical similarities and differences.

Credit Hours: 3

Prerequisite Courses: CRM 105
Additional Restrictions/Requirements: Prerequisite course plus 6 additional hours in CRM.
Course Repeatability: Course may not be repeated.

CRM 420 - Collective Violence

Analysis of group violence and its control. Topics include the theory and strategy of mass violence, terrorism, genocide, riots and revolutions, and historical and contemporary forms of warfare and the examination of case studies to identify the influence of society, culture, and politics on such events, as well as the impact these events have on society.

Credit Hours: 3

Prerequisite Courses: SOC 105 or CRM 105
Additional Restrictions/Requirements: Nine hours in CRM.
Course Repeatability: Course may not be repeated.

CRM 490 - Criminal Justice Practicum

Field placement in various criminal justice agencies. Integrates practical experience with classroom knowledge. Practicum students required to participate in one-hour weekly seminar (CRML 490). The lab for this course is CRML 490.

Credit Hours: 3

Corequisite Courses: CRML 490
Additional Restrictions/Requirements: Senior standing in criminology.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

CRML 490 - Criminal Justice Laboratory

Classroom discussion of selected topics related to criminal justice practicum. This course is the lab for CRM 490.

Credit Hours: 1

Corequisite Courses: CRM 490
Course Repeatability: Course may not be repeated.

CRM 491 - Directed Individual Study

Involves investigation under faculty supervision beyond what is offered in existing courses. For further

information, consult the Directed Individual Studies section in this catalogue.

Credit Hours: 1 To 3

Additional Restrictions/Requirements: Junior or senior standing, overall GPA of at least 2.00, and consent of instructor, department chair and dean.
University Studies: Explorations Beyond the Classroom/Certified Internship Program
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

Total Credit Hours: 39-42

Options 1 and 2: 42 hours (minimum) Option 3: 39 hours (minimum)

Additional Information

An overall average of "C" (2.00) or better must be maintained in all criminology courses used to satisfy the major and minor. Students must receive a "C" or higher in all of their core criminology courses. Students may only receive one "D" in their criminology electives. (A D- does not count as a D).

Cybersecurity, B.S.

The B.S. in Cybersecurity was created jointly by faculty from the Congdon School of Supply Chain, Business Analytics and Information Systems within the Cameron School of Business and faculty from the Department of Computer Science within the College of Science and Engineering. As such, it draws upon expertise of both information systems and computer science.

The major is targeted to students interested in courses that highlight computer, network, and information security.

Student's pursuing the cybersecurity program of study will learn computing-based foundations, crosscutting concepts that are broadly applicable across the range of cybersecurity specializations, knowledge containing essential cybersecurity skills, and ethical and professional responsibilities associated with the field.

Students should contact the program coordinator for additional information.

Requirements for the B.S. in Cybersecurity

A student must complete the following to fulfill the degree requirements. A grade point average of 'C' (2.00) or better computer over all the courses used to fulfill the requirements of the major is required. No grade below 'C-' will be accepted towards the graduation in a core or required course.

Oral Communication Requirement

To satisfy the oral communication requirement for the B.S. degree in Cybersecurity a student must successfully complete CYBR 322.

Core Requirements (43 Credit Hours)

These are the core courses required by every student.

BAN 280 - Statistical Analysis for Business and Economics

Classification and presentation of business and economics data, probability and expected value, statistical inference, simple linear regression and correlation analysis.

Credit Hours: 3

Prerequisite Courses: MAT 111 or MAT 150.
University Studies: Foundations/Mathematics and Statistics
Course Repeatability: Course may not be repeated.

STT 215 - Introduction to Statistics

Methods of data collection; numerical and graphical analyses of univariate and bivariate data; axioms of probability; conditional probability; independence; distributions of random variables; introduction to confidence intervals and hypothesis testing; simple linear regression and correlation; use of statistical software to analyze data and simulate random variables.

Credit Hours: 3

University Studies: Foundations/Mathematics and Statistics
Course Repeatability: Course may not be repeated.

CSC 131 - Introduction to Computer Science

Problem solving methods and algorithms in a modern high-level programming language. Introduces one or

more programming environments. Emphasis on a programming style and the design, coding, and testing of complete programs. Recommended primarily for computer science majors.

Credit Hours: 4

Prerequisite Courses: MAT 112 or MAT 150 or MAT 160.
University Studies: Common Requirements/Critical Reasoning, Foundations/Mathematics and Statistics
Course Repeatability: Course may not be repeated. You must achieve a 'C' (2.00) or better if you intend to use this course as a prerequisite for another course.

CYBR 201 - Fundamentals of Cybersecurity

Introduction to fundamental cybersecurity concepts. Exploration of the basic security design principles needed to create systems worthy of trust. Introduction to IT system components and their roles in system operation. Consideration of the processes and regulations associated with operational analysis and evaluation, including approval authorities and processes.

Credit Hours: 3

University Studies: Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

CYBR 202 - Cyber Policy, Legal, Ethics, Compliance

Exploration of the intersection between cybersecurity and policy, law, ethics, privacy, compliance, and law enforcement. Examination of applicable laws and policies related to cyber defense. Topics include privacy and the internet, the effectiveness of cybersecurity applications in preventing crime and abuse, and the application of ethical concepts in cybersecurity.

Credit Hours: 3

Prerequisite or Corequisite Courses: CYBR 201.
University Studies: Approaches and Perspectives/Understanding Human Institutions and

Behaviors
Course Repeatability: Course may not be repeated.

CSC 344 - Computer Networks

Introduction to computer networks, focusing on Internet architecture and protocols. Topics include layered network architectures, addressing, naming, forwarding, routing, communication reliability, client-server model, distributed computing, web and email protocols, and network security. Students acquire practical experience by using a network protocol analyzer and programming reduced versions of real Internet protocols.

Credit Hours: 3

Prerequisite or Corequisite Courses: CSC 231 or CYBR 251, or instructor approval.
Course Repeatability: Course may not be repeated.

Or

MIS 320 - Network Fundamentals

Introduction to the OSI model, network topologies, IP addressing and subnet masks, simple routing techniques, and basic switching terminology. Topics

include the basic functions of the seven layers of the OSI model, different classes of IP addressing and subnetting, router login scripts.

Credit Hours: 3

Prerequisite or Corequisite Courses: CIT 110 or CYBR 201 or MIS 213
Additional Restrictions/Requirements: Admission to Cameron School of Business or declared BS Cybersecurity major or declared BS Information Technology major or declared Cybersecurity minor
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3
Major Restriction BS Business Administration or BS Cybersecurity or BS Information Technology**Minor Restriction** Cybersecurity Minor

For Applied Track

CYBR 245 - Cryptography and Data Security

Introduction to basic concepts in cryptography, including encryption/decryption, sender authentication, data integrity, non-repudiation, attack classification

(ciphertext-only, known plaintext, chosen plaintext, chosen ciphertext), secret key (symmetric) cryptography and public key (asymmetric) cryptography, and information-theoretic security (one-time pad, Shannon Theorem). Introduction to data security topics authenticity, anonymity, and integrity.

Credit Hours: 3

Prerequisite Courses: CYBR 201 with a C or better and CSC 131 with a C or better.
Additional Restrictions/Requirements: CYBR 201 with a C or better and CSC 131 with a C or better.
Course Repeatability: Course may not be repeated.

CYBR 322 - Information Assurance

Exploration of the concepts of information assurance, audit and security assessment to measure compliance with applicable laws and regulations, and cyber risk management. Hands-on experience applying the NIST Risk Management Framework to government systems to protect the system's unique mission.

Prerequisite Courses: CYBR 201

Additional Restrictions/Requirements: Admission to the Cameron School of Business or declared BS Cybersecurity or declared BS Information Technology or declared BS Computer Science or declared BS Intelligent Systems Engineering or declared Cybersecurity minor
Course Repeatability: Course may not be repeated.
Major Restriction BS Cybersecurity or BS Information Technology or BS Computer Science or BS Intelligent Systems Engineering or BS Business Administation**Minor Restriction** Cybersecurity

CIT 225 - Linux Administration

Install, configure, securely administer Linux operating system platforms. Topics include Linux operating systems concepts, system installation and configuration, introduction to networking (protocols, IP addressing, ports, subnetting), security, firewalls, packet filtering, networked file systems, lightweight directory access protocol, virtualization, Linux-Windows integration, and Linux shell programming.

Credit Hours: 3

Prerequisite Courses: CSC 121 or CSC 131 with a grade of "C-" or better in either course, or instructor approval.
Course Repeatability: Course may not be repeated.

MIS 352 - Windows Systems Administration

Provides students with skill to perform basic operations involved in system administration of Microsoft Windows based systems. Provides students with the ability to apply methods such as managing applications, services, and network ports to improve the robustness of operating systems.

Credit Hours: 3

Prerequisite Courses: MIS 320 or MIS 323 or CSC 344 with a minimum grade of C-
Additional Restrictions/Requirements: Admission to Cameron School of Business or declared BS Information Technology major or declared BS Cybersecurity major or declared BS Intelligent Systems Engineering major or declared Cybersecurity minor.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

Major Restriction BS Business Administration or BS Information Technology or BS Cybersecurity or BS Intelligent Systems Engineering**Minor Restriction** Cybersecurity Minor

CIT 301 - Cloud Computing & Virtualization

Survey, configuration, and deployment of cloud computing technologies and services, including but not limited to: virtualization environments, SaaS, PaaS, DaaS, IaaS, mass storage, virtualization compute resources, SQL and non-SQL databases, cloud development tools, deployment models, load balancing, automatic provisioning, Internet of Things, VPNs, firewalls, security, two-factor authentication, legal/privacy issues.

Credit Hours: 3

Corequisite Courses: Co-requisite: CSC 344 or MIS 320.
Prerequisite Courses: Prerequisite: CIT 225.
Course Repeatability: Course may not be repeated.

CYBR 324 - Network Security

Study of the concepts used when defending a network and exploration of the basic tools and techniques that can be employed to protect a network and communication assets from cyber threats. Study of the knowledge required to administer and maintain a comprehensive enterprise security infrastructure. Introduction to common security architectures for the protection of information systems and data.

Credit Hours: 3

Prerequisite Courses: MIS 320 or MIS 323 or CSC 344
Additional Restrictions/Requirements: Admission to the Cameron School of Business or declared BS Cybersecurity or declared BS Information Technology or declared BS Computer Science or declared BS Intelligent Systems Engineering or declared Cybersecurity minor.
Course Repeatability: Course may not be repeated.
Major Restriction BS Cybersecurity or BS Information Technology or BS Computer Science or BS Intelligent Systems Engineering or BS Business Administration**Minor Restriction** Cybersecurity

CYBR 343 - Systems Security

Application of security concepts to ensure the confidentiality, integrity, and availability of the computer operating system. Operating systems/security concepts are applied in the context of operating system hardening.

Credit Hours: 3

Prerequisite Courses: (MIS 352 and CIT 225) or (CSC 242 and CYBR 201)
Course Repeatability: Course may not be repeated.

CYBR 365 - Ethical Hacking

Introduction to organizational security posture improvement through penetration testing and ethical hacking. Study of ways to exploit vulnerabilities to gain access to a system. Exploration of common security architectures for the protection of information systems and data.

Credit Hours: 3

Prerequisite Courses: CIT 225 and MIS 352

Additional Restrictions/Requirements: Admission to the Cameron School of Business or declared BS Cybersecurity or declared BS Information Technology or declared BS Computer Science or declared BS Intelligent Systems Engineering or declared Cybersecurity minor.
Course Repeatability: Course may not be repeated.
Major Restriction BS Cybersecurity or BS Information Technology or BS Computer Science or BS Intelligent Systems Engineering or BS Business Administration**Minor Restriction** Cybersecurity

CYBR 491 - Directed Individual Study

Investigation under faculty supervision beyond what is offered in existing courses. Written experience report and oral presentation required. For further information, consult the Enrichment Courses and Programs section in this catalogue.

Credit Hours: 1 to 3

Additional Restrictions/Requirements: Junior or senior standing, overall GPA of at least 2.50, GPA in CYBR courses of at least 2.80, and consent of

instructor, program coordinator, and dean.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6 **Repeat Limit:** 1

CYBR 495 - Seminar in Cybersecurity

Individual reports and group discussions of field, laboratory and/or library research on selected topics in cybersecurity. May only be taken once for credit in the major.

Credit Hours: 3

University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 9 **Repeat Limit:** 3
Major Restriction For cybersecurity majors only.

CYBR 498 - Internship in Cybersecurity

Academic training and practical experience through work in a private company or public agency. Faculty supervision and evaluation of all study and on-site

activity. Written experience report and oral presentation required.

Credit Hours: 3

Additional Restrictions/Requirements: Open to students of junior or senior standing who have been approved by the faculty supervisor, department chair, and dean.
Admission to the Cameron School of Business or declared BS Cybersecurity or declared BS Information Technology or declared BS Computer Science or declared BS Intelligent Systems Engineering or declared Cybersecurity minor
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 9 **Repeat Limit:** 3
Major Restriction BS Cybersecurity or BS Information Technology or BS Computer Science or BS Intelligent Systems Engineering or BS Business Administration**Minor Restriction** Cybersecurity

CYBR 499 - Honors in Cybersecurity

Individual study for honors students.

Credit Hours: 3

Additional Restrictions/Requirements: Instructor approval for honors students only.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6 **Repeat Limit:** 2

Applied Cybersecurity Concentration (21 Credit Hours)

Required courses:

CYBR 340 - Cybersecurity Program Management

Explores methods used to raise general security awareness. Reviews current industry practices, contingency planning, and systems specific plans (e.g., change management). Examines the roles involved in planning and managing security. Students develop necessary skills to adapt policies to achieve

confidentiality, integrity, and availability of organizational assets and data.

Credit Hours: 3

Prerequisite Courses: CYBR 322
Additional Restrictions/Requirements: Admission to the Cameron School of Business or declared BS Cybersecurity or declared BS Information Technology or declared BS Computer Science or declared BS Intelligent Systems Engineering or declared Cybersecurity minor
Course Repeatability: Course may not be repeated.
Major Restriction BS Cybersecurity or BS Information Technology or BS Computer Science or BS Intelligent Systems Engineering or BS Business Administration**Minor Restriction** Cybersecurity

CYBR 437 - Supply Chain Cybersecurity

Explores security issues associated with building complex systems out of third-party components; the authorities and processes for the approval of their operation; how security principles can be applied to

improve security throughout the system or product lifecycle; and the basics of industrial control systems and vulnerabilities they are likely to have.

Credit Hours: 3

Prerequisite Courses: CYBR 202 and CYBR 322
Additional Restrictions/Requirements: Admission to the Cameron School of Business or declared BS Cybersecurity or declared BS Information Technology or declared BS Computer Science or declared BS Intelligent Systems Engineering or declared Cybersecurity minor
Course Repeatability: Course may not be repeated.
Major Restriction BS Cybersecurity or BS Information Technology or BS Computer Science or BS Intelligent Systems Engineering or BS Business Administration**Minor Restriction** Cybersecurity

CYBR 440 - Cyber Risk

Introduction to risk assessment models, methodologies, and processes. Examination of how cybersecurity risks are part of an organizations' overall risk. Study of the techniques and guidelines used to perform a

cybersecurity risk assessment of a system, process, or organization and appropriate mitigations.

Prerequisite Courses: CYBR 245 and CYBR 322 and (MIS 320 or CSC 344)
Additional Restrictions/Requirements: Admission to the Cameron School of Business or declared BS Cybersecurity or declared BS Information Technology or declared BS Computer Science or declared BS Intelligent Systems Engineering or declared Cybersecurity minor
Course Repeatability: Course may not be repeated.
Major Restriction BS Cybersecurity or BS Information Technology or BS Computer Science or BS Intelligent Systems Engineering or BS Business Administration**Minor Restriction** Cybersecurity

Elective Group 1 (Choose 6 Credit Hours)

Courses can only count as Elective Group 1 or 2, not both.

CYBR 431 - Cloud Security

Introduction to cloud security architecture and exploration of the guiding security design principles,

design patterns, industry standards, and associated technologies. Study of regulatory compliance requirements critical to the design, implementation, delivery, and management of secure cloud-based services.

Credit Hours: 3

Prerequisite Courses: CIT 301.
Course Repeatability: Course may not be repeated.

CYBR 435 - Cyber Fraud and Investigation

Investigation of cyber fraud, and the study of plans and processes for a holistic approach to preventing and mitigating fraud throughout the system lifecycle. Specific attention paid to financial fraud and the application of forensics techniques to respond to and investigate financial incidents.

Credit Hours: 3

Prerequisite Courses: ACG 201, FIN 335, CYBR 202, and (STT 215 or BAN 280).
Course Repeatability: Course may not be repeated.

CYBR 445 - Certified Information Systems Security Professional

Study of Certified Information Systems Security Professional (CISSP) domains.

Credit Hours: 3

Prerequisite Courses: CYBR 322 and CYBR 324
Course Repeatability: Course may not be repeated.
Major Restriction BS Cybersecurity or BS Information Technology**Minor Restriction** Cybersecurity or Cameron School of Business Admission

CYBR 446 - Certified Information Systems Auditor

Study of Certified Information Systems Auditor (CISA) domains.

Credit Hours: 3

Prerequisite or Corequisite Courses: CYBR 340
Course Repeatability: Course may not be repeated.
Major Restriction BS Cybersecurity or BS Information

Technology**Minor Restriction** Cybersecurity or Cameron School of Business Admission

MIS 310 - Web Development Languages

Study of the design and creation of web pages that support traditional screens, tablets, and smart devices. Topics include page structure, human-computer interface design, style sheets, reusability, and design concepts. Best industry practices in web development, such as client-side scripting languages and Search Engine Optimization (SEO) techniques, will also be considered.

Credit Hours: 3

Prerequisite or Corequisite Courses: or (CSC 112 or CSC 131 or MIS 216)
Prerequisite Courses: CIT 110 or MIS 213
Additional Restrictions/Requirements:

One prerequisite or corequisite course is required: Choose CIT 110 or MIS 213 as a prerequisite course or one of CSC 112, CSC 131, or MIS 216 as a pre- or corequisite course.

Admission to Cameron School of Business or declared BS Information Technology major or declared BS Cybersecurity major or declared BS Computer Science or declared BA Digital Arts or declared Cybersecurity minor or declared Digital Arts minor.
Course Repeatability: Course may not be repeated. **Maximum Repeatable Hours:** 3
Major Restriction BS Business Administration or BS Information Technology or BS Cybersecurity or BS Computer Science or BA Digital Arts**Minor Restriction** Cybersecurity Minor or Digital Arts Minor

MIS 327 - Data Center Management

This course introduces fundamentals of storage, networking, and computing infrastructure in a modern data center environment; terminology and basic concepts relating to storage, networking, and computing technologies. Data Center architecture and enabling concepts such as virtualization, pooling, provisioning, monitoring, scaling, business continuity, backup, replication, cloud computing, security, flexibility, management, and cost considerations are

covered.

Credit Hours: 3

Prerequisite Courses: MIS 213 or CIT 213
Additional Restrictions/Requirements: Admission to Cameron School of Business or declared BS Information Technology major or declared BS Cybersecurity major
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3
Major Restriction BS Business Administration or BS Information Technology or BS Cybersecurity

MIS 363 - Advanced Telecommunications

The architecture, components, operations, and security of routers and switches in small networks, introduction to wireless local area networks (WLAN) and to scale for large, complex networks, including wide area network (WAN) technologies are described. The course emphasizes network security concepts and introduces network virtualization and automation. Students learn how to configure, troubleshoot, and secure enterprise network devices and understand how application

programming interfaces (API) and configuration management tools enable network automation.

Credit Hours: 3

Prerequisite Courses: MIS 320
Additional Restrictions/Requirements: Admission to Cameron School of Business or declared BS Information Technology major or declared BS Cybersecurity major or declared Cybersecurity minor.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3
Major Restriction BS Business Administration or BS Information Technology or BS Cybersecurity**Minor Restriction** Cybersecurity Minor

MIS 419 - Information Technology Project Management

This course introduces the fundamentals of project management, beginning with project definition through the post-project review. There will be emphasis placed on applying project management concepts and techniques to information system projects. This includes consideration of project planning, scheduling,

budgeting, human resources and the consideration of change management required to implement projects.

Credit Hours: 3

Prerequisite or Corequisite Courses: MIS 411.
Additional Restrictions/Requirements: Admission to Cameron School of Business for students majoring in Business Administration and students majoring in Information Technology B.S.
Course Repeatability: Course may not be repeated.

CIT 410 - Web Application Development

Structured approach to building and maintaining dynamic and interactive Web sites. Emphasis on application, design and development. Students gain a thorough understanding of server-side scripting, form validation, and Web-site security while advancing their understanding of database design principles and SQL. Students create a database-driven Website.

Credit Hours: 3

Prerequisite Courses: MIS 310 or CSC 365.
Course Repeatability: Course may not be repeated.

Elective Group 2 (Choose 6 Credit Hours)

CSC 351 - Applied Software Security

Introduction to the development of secure software applications. Consideration of software vulnerability analysis, secure programming best practices, overflows, input sanitization, password security, command injection, database development, and web application development and vulnerabilities. Design, analysis, and implementation of a secure web application.

Credit Hours: 3

Prerequisite Courses: CSC 231 with a grade of C or better, or CYBR 251 with a grade of C or better, or instructor approval.
Course Repeatability: Course may not be repeated.

CSC 464 - Advanced Cryptography and Cryptanalysis

Examination of advanced constructs in modern cryptography, including Diffie-Hellman key exchange, Merkle trees, ElGamal encryption, and fully homomorphic encryption. Introduction to cryptanalysis techniques for analyzing and decoding ciphers.

Credit Hours: 3

Prerequisite Courses: CSC 364
Course Repeatability: Course may not be repeated.

CSC 466 - Malware Analysis

Fundamentals of basic malware analysis through static and behavioral analysis of malicious software. Coverage of the compilation process that takes human readable code to compiled machine readable code and to numerous tools used for malware analysis.

Credit Hours: 3

Prerequisite Courses: ((CYBR 251 with a C or higher or CSC 231 with a C or higher) and (CSC 344 or MIS 320)) or ISE 250
Course Repeatability: Course may not be repeated.

CSC 468 - Reverse Engineering

Coverage of the binary analysis skills necessary to discover the true nature of any executable binary. Examination of the high-level language constructs, including branching statements, looping functions and network socket code, critical to performing a thorough and professional reverse engineering analysis of a binary file.

Credit Hours: 3

Prerequisite Courses: CYBR 251 with a C or better or (CSC 231 with a C or better and CSC 242) or ISE 250
Course Repeatability: Course may not be repeated.

CSC 470 - Hardware Security

Overview of computer hardware security. Topics include side channel attacks, physical unclonable functions, TRNG, supply chain management, hardware Trojans, the power grid, and smart cities.

Credit Hours: 3

Prerequisite Courses: ((CYBR 251 with a C or better

or CSC 242) and (CSC 344 or MIS 320)) or ISE 250
Course Repeatability: Course may not be repeated.

CYBR 340 - Cybersecurity Program Management

Explores methods used to raise general security awareness. Reviews current industry practices, contingency planning, and systems specific plans (e.g., change management). Examines the roles involved in planning and managing security. Students develop necessary skills to adapt policies to achieve confidentiality, integrity, and availability of organizational assets and data.

Credit Hours: 3

Prerequisite Courses: CYBR 322
Additional Restrictions/Requirements: Admission to the Cameron School of Business or declared BS Cybersecurity or declared BS Information Technology or declared BS Computer Science or declared BS Intelligent Systems Engineering or declared Cybersecurity minor

Course Repeatability: Course may not be repeated.
Major Restriction BS Cybersecurity or BS Information Technology or BS Computer Science or BS Intelligent Systems Engineering or BS Business Administration**Minor Restriction** Cybersecurity

CYBR 354 - Computer and Mobile Forensics

Introduction to the concepts in computer and forensics investigations. Recovery and analysis of digital evidence using industry best practices and standard commercial and open source tools. Development of comprehensive investigative forensic reports. Coverage of the legal and ethical considerations of computer crime investigations.

Credit Hours: 3

Prerequisite Courses: CYBR 343 and CSC 344 or MIS 320
Course Repeatability: Course may not be repeated.

CYBR 424 - Security Tools Engineering

Design and implementation of software solutions to achieve security goals using data captured on

computer systems and networks. Topics include: advanced network forensics, network defense tools and principles, and advanced intrusion detection and prevention implementations.

Credit Hours: 3

Prerequisite Courses: (CSC 231 with a C or better or CYBR 251 with a C or better) and (CSC 344 or MIS 320)
Crosslisting: CSC 424.
Course Repeatability: Course may not be repeated.

CYBR 432 - SOC Operations

Introduction to security operations centers (SOC). Study of processes used for operations such as incident response, vulnerability assessment, and threat investigation. Introduction to software tools to manage SOC activities such as security information and event management (SIEM) systems, vulnerability scanners, intrusion detection systems (IDS), and intrusion prevention systems (IPS).

Prerequisite Courses: CYBR 202, CYBR

365 and CYBR 366
Additional Restrictions/Requirements: Admission to Cameron School of Business or declared Cybersecurity major or declared Information Technology major or declared Cybersecurity minor
Course Repeatability: Course may not be repeated.
Major Restriction BS Cybersecurity or BS Information Technology**Minor Restriction** Cybersecurity

CYBR 437 - Supply Chain Cybersecurity

Explores security issues associated with building complex systems out of third-party components; the authorities and processes for the approval of their operation; how security principles can be applied to improve security throughout the system or product lifecycle; and the basics of industrial control systems and vulnerabilities they are likely to have.

Credit Hours: 3

Prerequisite Courses: CYBR 202 and CYBR 322
Additional Restrictions/Requirements: Admission to the Cameron School of Business or declared BS Cybersecurity or declared BS Information Technology

or declared BS Computer Science or declared BS Intelligent Systems Engineering or declared Cybersecurity minor
Course Repeatability: Course may not be repeated.
Major Restriction BS Cybersecurity or BS Information Technology or BS Computer Science or BS Intelligent Systems Engineering or BS Business Administration**Minor Restriction** Cybersecurity

CYBR 440 - Cyber Risk

Introduction to risk assessment models, methodologies, and processes. Examination of how cybersecurity risks are part of an organizations' overall risk. Study of the techniques and guidelines used to perform a cybersecurity risk assessment of a system, process, or organization and appropriate mitigations.

Prerequisite Courses: CYBR 245 and CYBR 322 and (MIS 320 or CSC 344)
Additional Restrictions/Requirements: Admission to the Cameron School of Business or declared BS Cybersecurity or declared BS Information Technology or declared BS Computer Science or declared BS Intelligent Systems Engineering or declared

Cybersecurity minor
Course Repeatability: Course may not be repeated.
Major Restriction BS Cybersecurity or BS Information Technology or BS Computer Science or BS Intelligent Systems Engineering or BS Business Administration**Minor Restriction** Cybersecurity

CYBR 442 - Cyber Politics

Introduction to key aspects of cyberspace's emergence as the fifth domain of strategic warfare, the center of human communication, and an integral part of social governance. Study of cyber politics as an area related to political philosophy, international economics, and realpolitik in diplomacy and warfare.

Credit Hours: 3

Prerequisite Courses: CYBR 202.
Course Repeatability: Course may not be repeated.

CYBR 444 - Cyber Law and Cases

Introduction to the U.S state laws, federal laws, and regulatory policies, as well as international laws that regulate cyberspace activities. Coverage of cyberspace

and the legal/policy background that individuals, businesses, and governments must understand to conduct cyber actions within the limits of legal authority.

Credit Hours: 3

Prerequisite Courses: CYBR 322
Additional Restrictions/Requirements: Admission to the Cameron School of Business or declared BS Cybersecurity or declared BS Information Technology or declared BS Computer Science or declared BS Intelligent Systems Engineering or declared Cybersecurity minor
Course Repeatability: Course may not be repeated.
Major Restriction BS Cybersecurity or BS Information Technology or BS Computer Science or BS Intelligent Systems Engineering or BS Business Administration**Minor Restriction** Cybersecurity

CYBR 462 - Artificial Intelligence for Cybersecurity

Study of Artificial Intelligence (AI) and Machine Learning (ML) to solve cybersecurity problems. Coverage of fundamental and advanced knowledge in

applying AI and ML techniques to real-world datasets to learn about Cyber Threat Intelligence (CTI), malware analysis, and classification, etc.

Credit Hours: 3

Prerequisite Courses: CSC 358 or CYBR 358, and CSC 302.
Crosslisting: CSC 462.
Course Repeatability: Course may not be repeated.

Cyber Operations Concentration (21 Credit Hours)

Required courses:

CSC 133 - Discrete Mathematical Structures

Introduction to discrete mathematics applicable to computer science. Propositional and predicate logic, basic proof techniques, set algebra and Boolean algebra, recursion and induction, and introductory graphs and combinatorics.

Credit Hours: 3

Prerequisite Courses: MAT 112 or MAT 150 or MAT

160.
University Studies: Foundations/Mathematics and Statistics
Course Repeatability: Course may not be repeated.

CYBR 251 - Secure Programming Foundations

Exploration of programming and machine constructs behind code vulnerabilities and best practices for developing secure programs. Introduction to low-level code mechanics in C and assembly language frequently leveraged in code exploitation. Study of programming principles that guard against software vulnerabilities, including pointers, hardware control, overflows, input sanitization, data obfuscation, secure design, and static analysis.

Credit Hours: 3

Prerequisite Courses: CSC 131.
Course Repeatability: Course may not be repeated.

CYBR 358 - Cyber Operations

Introduction to cyber operations concepts, with specific focus on the computing aspects. Topics include: Basics

of cyber operations including a cyber operations procedures, applicable laws, and information assurance, and information assurance architectures.

Credit Hours: 3

Prerequisite or Corequisite Courses: CYBR 343
University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

Elective Group 1 (Choose 6 Credit Hours)

Courses can only count as Elective Group 1 or 2, not both.

CYBR 345 - Blockchain and Decentralized Security

Introduction of principles, applications, and implementation of blockchain technologies, smart contracts, and other secure decentralized systems. Explorations of the cryptographic principles underlying decentralized systems and create applications leveraging these technologies.

Credit Hours: 3

Prerequisite Courses: CSC 364 or CYBR 245
Course Repeatability: Course may not be repeated.

CYBR 354 - Computer and Mobile Forensics

Introduction to the concepts in computer and forensics investigations. Recovery and analysis of digital evidence using industry best practices and standard commercial and open source tools. Development of comprehensive investigative forensic reports. Coverage of the legal and ethical considerations of computer crime investigations.

Credit Hours: 3

Prerequisite Courses: CYBR 343 and CSC 344 or MIS 320
Course Repeatability: Course may not be repeated.

CYBR 363 - Artificial Intelligence for Cybersecurity

Introduction to fundamental knowledge in applying AI and ML techniques to real-world datasets. Students are

introduces to supervised and unsupervised learning models, applications to internet traffic and anomaly detection, and ethics, fairness, and bias in data-drive cybersecurity.

Credit Hours: 3

Prerequisite Courses: CSC 231 with a C or better or CYBR 251 with a C or better and STT 215 or BAN 280
Course Repeatability: Course may not be repeated.

CYBR 424 - Security Tools Engineering

Design and implementation of software solutions to achieve security goals using data captured on computer systems and networks. Topics include: advanced network forensics, network defense tools and principles, and advanced intrusion detection and prevention implementations.

Credit Hours: 3

Prerequisite Courses: (CSC 231 with a C or better or CYBR 251 with a C or better) and (CSC 344 or MIS 320)

Crosslisting: CSC 424.
Course Repeatability: Course may not be repeated.

CYBR 475 - Topics in Cybersecurity

Topics of current interest in cybersecurity not covered in existing courses. May be repeated under different subtitles.

Credit Hours: 3

Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 9 **Repeat Limit:** 3
Major Restriction Open to cybersecurity majors only.

CSC 351 - Applied Software Security

Introduction to the development of secure software applications. Consideration of software vulnerability analysis, secure programming best practices, overflows, input sanitization, password security, command injection, database development, and web application development and vulnerabilities. Design, analysis, and implementation of a secure web application.

Credit Hours: 3

Prerequisite Courses: CSC 231 with a grade of C or better, or CYBR 251 with a grade of C or better, or instructor approval.
Course Repeatability: Course may not be repeated.

CSC 364 - Introduction to Cryptography

Formalizing security, hash functions, symmetric and public-key encryptions are some of the main topics of this course. Early ciphers like the Caesar shift and the Vigenère cipher and modern techniques like RSA, Diffie-Hellman protocol and their theoretical foundations, practical applications and the vulnerabilities of each encryption system will be discussed.

Credit Hours: 3

Prerequisite Courses: CSC 133 and CSC 231 with a grade of C or higher or CYBR 251 with a grade of C or higher.
Course Repeatability: Course may not be repeated.

CSC 427 - Quantum Cryptography

Explores the use of quantum effects, such as quantum entanglement and uncertainty, to implement cryptographic tasks with levels of security that are impossible to achieve classically.
Quantum cryptography is an alternative approach in which cryptographic schemes that are resistant to quantum adversaries are proposed.

Credit Hours: 3

Prerequisite Courses: CSC 364.
Course Repeatability: Course may not be repeated.

CSC 464 - Advanced Cryptography and Cryptanalysis

Examination of advanced constructs in modern cryptography, including Diffie-Hellman key exchange, Merkle trees, ElGamal encryption, and fully homomorphic encryption. Introduction to cryptanalysis techniques for analyzing and decoding ciphers.

Credit Hours: 3

Prerequisite Courses: CSC 364
Course Repeatability: Course may not be repeated.

CSC 466 - Malware Analysis

Fundamentals of basic malware analysis through static and behavioral analysis of malicious software. Coverage of the compilation process that takes human readable code to compiled machine readable code and to numerous tools used for malware analysis.

Credit Hours: 3

Prerequisite Courses: ((CYBR 251 with a C or higher or CSC 231 with a C or higher) and (CSC 344 or MIS 320)) or ISE 250
Course Repeatability: Course may not be repeated.

CSC 468 - Reverse Engineering

Coverage of the binary analysis skills necessary to discover the true nature of any executable binary. Examination of the high-level language constructs, including branching statements, looping functions and network socket code, critical to performing a thorough and professional reverse engineering analysis of a

binary file.

Credit Hours: 3

Prerequisite Courses: CYBR 251 with a C or better or (CSC 231 with a C or better and CSC 242) or ISE 250
Course Repeatability: Course may not be repeated.

CSC 470 - Hardware Security

Overview of computer hardware security. Topics include side channel attacks, physical unclonable functions, TRNG, supply chain management, hardware Trojans, the power grid, and smart cities.

Credit Hours: 3

Prerequisite Courses: ((CYBR 251 with a C or better or CSC 242) and (CSC 344 or MIS 320)) or ISE 250
Course Repeatability: Course may not be repeated.

Elective Group 2 (Choose 6 Credit Hours)

Courses can only count as Elective Group 1 or 2, not both.

CYBR 325 - Secure Database Management

Introduction to database security theories and applications. Consideration of threats in database systems and applications of security concepts. Topics include data integrity and authentication, and information storage security.

Credit Hours: 3

Prerequisite Courses: CIT 110, MIS 213, or CYBR 201.
Course Repeatability: Course may not be repeated.

CYBR 340 - Cybersecurity Program Management

Explores methods used to raise general security awareness. Reviews current industry practices, contingency planning, and systems specific plans (e.g., change management). Examines the roles involved in planning and managing security. Students develop necessary skills to adapt policies to achieve confidentiality, integrity, and availability of organizational assets and data.

Credit Hours: 3

Prerequisite Courses: CYBR 322
Additional Restrictions/Requirements: Admission to the Cameron School of Business or declared BS Cybersecurity or declared BS Information Technology or declared BS Computer Science or declared BS Intelligent Systems Engineering or declared Cybersecurity minor
Course Repeatability: Course may not be repeated.
Major Restriction BS Cybersecurity or BS Information Technology or BS Computer Science or BS Intelligent Systems Engineering or BS Business Administration**Minor Restriction** Cybersecurity

CYBR 345 - Blockchain and Decentralized Security

Introduction of principles, applications, and implementation of blockchain technologies, smart contracts, and other secure decentralized systems. Explorations of the cryptographic principles underlying decentralized systems and create applications leveraging these technologies.

Credit Hours: 3

Prerequisite Courses: CSC 364 or CYBR 245
Course Repeatability: Course may not be repeated.

CYBR 354 - Computer and Mobile Forensics

Introduction to the concepts in computer and forensics investigations. Recovery and analysis of digital evidence using industry best practices and standard commercial and open source tools. Development of comprehensive investigative forensic reports. Coverage of the legal and ethical considerations of computer crime investigations.

Credit Hours: 3

Prerequisite Courses: CYBR 343 and CSC 344 or MIS 320
Course Repeatability: Course may not be repeated.

CYBR 362 - Information Assurance Policy

Exploration of Information Assurance (IA) policies and frameworks from the organizational mechanics of developing policies to the psychology of

implementation. Review of various information security and assurance concepts in clear, simple terms such as governance, regular mandates, business drivers, legal considerations and more while effectively balancing technical knowledge and soft skills.

Credit Hours: 3

Prerequisite Courses: CYBR 322
Additional Restrictions/Requirements: Admission to Cameron School of Business or declared Cybersecurity major or declared Information Technology major or declared Cybersecurity minor
Course Repeatability: Course may not be repeated.
Major Restriction BS Cybersecurity and BS Information Technology**Minor Restriction** Cybersecurity

CYBR 363 - Artificial Intelligence for Cybersecurity

Introduction to fundamental knowledge in applying AI and ML techniques to real-world datasets. Students are introduces to supervised and unsupervised learning models, applications to internet traffic and anomaly

detection, and ethics, fairness, and bias in data-drive cybersecurity.

Credit Hours: 3

Prerequisite Courses: CSC 231 with a C or better or CYBR 251 with a C or better and STT 215 or BAN 280
Course Repeatability: Course may not be repeated.

CYBR 364 - Web Applications Security

Introduction to web application security principles focusing on identifying and mitigating top ten vulnerabilities through common application testing methodologies. Exploration of various web application architectures and backend & frontend technologies. Hands-on application of security testing tools and techniques to assess and enhance the security posture of web applications throughout their development life cycle.

Credit Hours: 3

Prerequisite Courses: CSC 131 or MIS 316
Additional Restrictions/Requirements: Admission to

Cameron School of Business or declared Cybersecurity major or declared Information Technology major or declared Cybersecurity minor.
Course Repeatability: Course may not be repeated.
Major Restriction BS Cybersecurity or BS Information Technology**Minor Restriction** Cybersecurity

CYBR 366 - Digital Forensics

Introduction to digital forensics and evidence-handling techniques for different types of information technologies and forms of data. Exploration of the basic principles of digital forensics. Introduction to the legal requirements for collecting, seizing, and protecting digital evidence. Application of digital forensics techniques throughout an investigation life cycle.

Credit Hours: 3

Prerequisite or Corequisite Courses: CYBR 324
Additional Restrictions/Requirements: Admission to the Cameron School of Business or declared BS Cybersecurity or declared BS Information Technology or declared BS Computer Science or declared BS Intelligent Systems Engineering or declared

Cybersecurity minor
Course Repeatability: Course may not be repeated.
Major Restriction BS Cybersecurity or BS Information Technology or BS Computer Science or BS Intelligent Systems Engineering or BS Business Administration**Minor Restriction** Cybersecurity

CYBR 368 - CCNA Security

Exploration of network protocols, services, and infrastructures. Exploration of detection and analysis of cybersecurity threats using common open-source tools. Monitoring of a security policy. Review of security controls. Exploration of essential tasks to secure a network. Review of methods for malicious access prevention to computer networks, hosts, and data.

Credit Hours: 3

Prerequisite Courses: MIS 320 or CSC 344
Additional Restrictions/Requirements: Admission to Cameron School of Business or declared Cybersecurity major or declared Information Technology major or declared Cybersecurity minor.
Course Repeatability: Course may not be repeated.

Major Restriction BS Cybersecurity or BS Information Technology**Minor Restriction** Cybersecurity

CYBR 424 - Security Tools Engineering

Design and implementation of software solutions to achieve security goals using data captured on computer systems and networks. Topics include: advanced network forensics, network defense tools and principles, and advanced intrusion detection and prevention implementations.

Credit Hours: 3

Prerequisite Courses: (CSC 231 with a C or better or CYBR 251 with a C or better) and (CSC 344 or MIS 320)
Crosslisting: CSC 424.
Course Repeatability: Course may not be repeated.

CYBR 431 - Cloud Security

Introduction to cloud security architecture and exploration of the guiding security design principles, design patterns, industry standards, and associated technologies. Study of regulatory compliance

requirements critical to the design, implementation, delivery, and management of secure cloud-based services.

Credit Hours: 3

Prerequisite Courses: CIT 301.
Course Repeatability: Course may not be repeated.

CYBR 432 - SOC Operations

Introduction to security operations centers (SOC). Study of processes used for operations such as incident response, vulnerability assessment, and threat investigation. Introduction to software tools to manage SOC activities such as security information and event management (SIEM) systems, vulnerability scanners, intrusion detection systems (IDS), and intrusion prevention systems (IPS).

Prerequisite Courses: CYBR 202, CYBR 365 and CYBR 366
Additional Restrictions/Requirements: Admission to Cameron School of Business or declared Cybersecurity major or declared Information Technology major or

declared Cybersecurity minor
Course Repeatability: Course may not be repeated.
Major Restriction BS Cybersecurity or BS Information Technology**Minor Restriction** Cybersecurity

CYBR 435 - Cyber Fraud and Investigation

Investigation of cyber fraud, and the study of plans and processes for a holistic approach to preventing and mitigating fraud throughout the system lifecycle. Specific attention paid to financial fraud and the application of forensics techniques to respond to and investigate financial incidents.

Credit Hours: 3

Prerequisite Courses: ACG 201, FIN 335, CYBR 202, and (STT 215 or BAN 280).
Course Repeatability: Course may not be repeated.

CYBR 437 - Supply Chain Cybersecurity

Explores security issues associated with building complex systems out of third-party components; the authorities and processes for the approval of their operation; how security principles can be applied to

improve security throughout the system or product lifecycle; and the basics of industrial control systems and vulnerabilities they are likely to have.

Credit Hours: 3

Prerequisite Courses: CYBR 202 and CYBR 322
Additional Restrictions/Requirements: Admission to the Cameron School of Business or declared BS Cybersecurity or declared BS Information Technology or declared BS Computer Science or declared BS Intelligent Systems Engineering or declared Cybersecurity minor
Course Repeatability: Course may not be repeated.
Major Restriction BS Cybersecurity or BS Information Technology or BS Computer Science or BS Intelligent Systems Engineering or BS Business Administration**Minor Restriction** Cybersecurity

CYBR 440 - Cyber Risk

Introduction to risk assessment models, methodologies, and processes. Examination of how cybersecurity risks are part of an organizations' overall risk. Study of the techniques and guidelines used to perform a

cybersecurity risk assessment of a system, process, or organization and appropriate mitigations.

Prerequisite Courses: CYBR 245 and CYBR 322 and (MIS 320 or CSC 344)
Additional Restrictions/Requirements: Admission to the Cameron School of Business or declared BS Cybersecurity or declared BS Information Technology or declared BS Computer Science or declared BS Intelligent Systems Engineering or declared Cybersecurity minor
Course Repeatability: Course may not be repeated.
Major Restriction BS Cybersecurity or BS Information Technology or BS Computer Science or BS Intelligent Systems Engineering or BS Business Administration**Minor Restriction** Cybersecurity

CYBR 442 - Cyber Politics

Introduction to key aspects of cyberspace's emergence as the fifth domain of strategic warfare, the center of human communication, and an integral part of social governance. Study of cyber politics as an area related to political philosophy, international economics, and realpolitik in diplomacy and warfare.

Credit Hours: 3

Prerequisite Courses: CYBR 202.
Course Repeatability: Course may not be repeated.

CYBR 444 - Cyber Law and Cases

Introduction to the U.S state laws, federal laws, and regulatory policies, as well as international laws that regulate cyberspace activities. Coverage of cyberspace and the legal/policy background that individuals, businesses, and governments must understand to conduct cyber actions within the limits of legal authority.

Credit Hours: 3

Prerequisite Courses: CYBR 322
Additional Restrictions/Requirements: Admission to the Cameron School of Business or declared BS Cybersecurity or declared BS Information Technology or declared BS Computer Science or declared BS Intelligent Systems Engineering or declared Cybersecurity minor
Course Repeatability: Course may not be repeated.

Major Restriction BS Cybersecurity or BS Information Technology or BS Computer Science or BS Intelligent Systems Engineering or BS Business Administration**Minor Restriction** Cybersecurity

CYBR 445 - Certified Information Systems Security Professional

Study of Certified Information Systems Security Professional (CISSP) domains.

Credit Hours: 3

Prerequisite Courses: CYBR 322 and CYBR 324
Course Repeatability: Course may not be repeated.
Major Restriction BS Cybersecurity or BS Information Technology**Minor Restriction** Cybersecurity or Cameron School of Business Admission

CYBR 446 - Certified Information Systems Auditor

Study of Certified Information Systems Auditor (CISA) domains.

Credit Hours: 3

Prerequisite or Corequisite Courses: CYBR 340
Course Repeatability: Course may not be repeated.
Major Restriction BS Cybersecurity or BS Information Technology**Minor Restriction** Cybersecurity or Cameron School of Business Admission

CYBR 475 - Topics in Cybersecurity

Topics of current interest in cybersecurity not covered in existing courses. May be repeated under different subtitles.

Credit Hours: 3

Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 9 **Repeat Limit:** 3
Major Restriction Open to cybersecurity majors only.

CSC 351 - Applied Software Security

Introduction to the development of secure software applications. Consideration of software vulnerability analysis, secure programming best practices, overflows, input sanitization, password security, command injection, database development, and web

application development and vulnerabilities. Design, analysis, and implementation of a secure web application.

Credit Hours: 3

Prerequisite Courses: CSC 231 with a grade of C or better, or CYBR 251 with a grade of C or better, or instructor approval.
Course Repeatability: Course may not be repeated.

CSC 364 - Introduction to Cryptography

Formalizing security, hash functions, symmetric and public-key encryptions are some of the main topics of this course. Early ciphers like the Caesar shift and the Vigenère cipher and modern techniques like RSA, Diffie-Hellman protocol and their theoretical foundations, practical applications and the vulnerabilities of each encryption system will be discussed.

Credit Hours: 3

Prerequisite Courses: CSC 133 and CSC 231 with a

grade of C or higher or CYBR 251 with a grade of C or higher.
Course Repeatability: Course may not be repeated.

CSC 427 - Quantum Cryptography

Explores the use of quantum effects, such as quantum entanglement and uncertainty, to implement cryptographic tasks with levels of security that are impossible to achieve classically.
Quantum cryptography is an alternative approach in which cryptographic schemes that are resistant to quantum adversaries are proposed.

Credit Hours: 3

Prerequisite Courses: CSC 364.
Course Repeatability: Course may not be repeated.

CSC 464 - Advanced Cryptography and Cryptanalysis

Examination of advanced constructs in modern cryptography, including Diffie-Hellman key exchange, Merkle trees, ElGamal encryption, and fully homomorphic encryption. Introduction to cryptanalysis

techniques for analyzing and decoding ciphers.

Credit Hours: 3

Prerequisite Courses: CSC 364
Course Repeatability: Course may not be repeated.

CSC 466 - Malware Analysis

Fundamentals of basic malware analysis through static and behavioral analysis of malicious software. Coverage of the compilation process that takes human readable code to compiled machine readable code and to numerous tools used for malware analysis.

Credit Hours: 3

Prerequisite Courses: ((CYBR 251 with a C or higher or CSC 231 with a C or higher) and (CSC 344 or MIS 320)) or ISE 250
Course Repeatability: Course may not be repeated.

CSC 468 - Reverse Engineering

Coverage of the binary analysis skills necessary to discover the true nature of any executable binary.

Examination of the high-level language constructs, including branching statements, looping functions and network socket code, critical to performing a thorough and professional reverse engineering analysis of a binary file.

Credit Hours: 3

Prerequisite Courses: CYBR 251 with a C or better or (CSC 231 with a C or better and CSC 242) or ISE 250
Course Repeatability: Course may not be repeated.

CSC 470 - Hardware Security

Overview of computer hardware security. Topics include side channel attacks, physical unclonable functions, TRNG, supply chain management, hardware Trojans, the power grid, and smart cities.

Credit Hours: 3

Prerequisite Courses: ((CYBR 251 with a C or better or CSC 242) and (CSC 344 or MIS 320)) or ISE 250
Course Repeatability: Course may not be repeated.

MIS 363 - Advanced Telecommunications

The architecture, components, operations, and security of routers and switches in small networks, introduction to wireless local area networks (WLAN) and to scale for large, complex networks, including wide area network (WAN) technologies are described. The course emphasizes network security concepts and introduces network virtualization and automation. Students learn how to configure, troubleshoot, and secure enterprise network devices and understand how application programming interfaces (API) and configuration management tools enable network automation.

Credit Hours: 3

Prerequisite Courses: MIS 320
Additional Restrictions/Requirements: Admission to Cameron School of Business or declared BS Information Technology major or declared BS Cybersecurity major or declared Cybersecurity minor.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3
Major Restriction BS Business Administration or BS Information Technology or BS Cybersecurity**Minor Restriction** Cybersecurity Minor

Total Credit Hours: 64

Digital Arts, B.A.

The B.A. in Digital Arts is an interdisciplinary major combining courses from the Departments of Art and Art History and Computer Science. The program develops students' technical, aesthetic, design, programming, analytical, and problem-solving skills. It prepares them to work in computer-art and design-related fields such as mobile-application and web design, game development, 3D modeling and animation, visual effects, interactive media, and other emerging opportunities at the cross-section of computer technology and the arts. The curriculum also provides a foundation needed to pursue research at the graduate level in areas such as graphics, virtual reality, simulation, and human-computer interaction.

Oral Communication Requirement:

To satisfy the oral communication requirement for the B.A. Degree in Digital Arts, a student must successfully complete an oral defense of their final project for ART 496 or any other approved oral intensive course.

Applied Learning Requirement:

To satisfy the applied learning requirement for the B.A. degree in Digital Arts, a student must successfully complete ART 496.

Requirements for a Major in Digital Arts for the B.A. Degree:

Core Art Courses (18 credit hours)

ART 101 - Two-Dimensional Design

Study of the principles of two-dimensional design and introduction to color theory.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

ART 111 - Drawing Fundamentals

Fundamentals of drawing; investigation of processes and visual concepts with emphasis on charcoal.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

ART 211 - Beginning Life Drawing

Drawing from the model: structure, geometric form, and composition using various media: pencil, charcoal, India ink, etc.

Credit Hours: 3

Prerequisite Courses: ART 111
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

ART 260 - Introduction To Graphic Design

Basic principles of graphic design and communication. Projects focus on the graphic expression of form through two-dimensional composition to communicate information, concepts, and emotions, and combine development of computer software skills with off-line creative processes and production methods.

Credit Hours: 3

Prerequisite Courses: ART 101
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

ART 282 - Introduction to Digital Photography

Introduction to digital photography concepts and methods. Considers the design, processing, critiquing, and display of images created with digital cameras and printed with digital media.

Credit Hours: 3

Prerequisite Courses: ART 101 or ART 105 or consent of instructor.
Course Repeatability: Course may not be repeated.

ART 496 - Digital Arts Capstone

Final portfolio project integrating the principles, skills, and techniques explored in the digital arts major. Research project is determined by the student and developed in ongoing consultation with peers and digital arts faculty. Course culminates with a

presentation of the project on the UNCW campus and project documentation.

Credit Hours: 3

Prerequisite Courses: ART 211, CSC 331 with a minimum grade of "C", and CSC 368
Additional Restrictions/Requirements: Senior standing.
University Studies: Building Competencies/Writing Intensive, Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.

Core Art History Courses (9 credit hours)

Choose two courses from the following list:

ARH 201 - Ancient Art and Archaeology

Introduction to the art and cultures of ancient Egypt, the Near East, and the Mediterranean. Emphasis on architecture, painting, sculpture, and objects of daily life to inform the myths and histories of ancient civilizations connected to the broader Mediterranean basin.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives
Course Repeatability: Course may not be repeated.

or

ARH 202 - Medieval and Early Modern Art

Study of the major developments in global art, including painting, sculpture, and architecture from the late Medieval through the Early Modern period. Subject, style, formal qualities, patronage, significance, and the place of works of art in their respective religious, social, and political context.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives
Course Repeatability: Course may not be repeated.

or

ARH 204 - Art of the Modern World

Examination of major monuments, artists, and artistic developments from the 19th to the late 20th century, primarily in Europe and the Americas. Study of the relationship between works of art and the historical, political, religious, and philosophical context of the societies that produced and made use of them.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives
Course Repeatability: Course may not be repeated.

and

Choose one 3-credit ARH course at the 300-400 level.

Core Computer Science Courses (26 credit hours)

CSC 131 - Introduction to Computer Science

Problem solving methods and algorithms in a modern high-level programming language. Introduces one or more programming environments. Emphasis on a programming style and the design, coding, and testing of complete programs. Recommended primarily for

computer science majors.

Credit Hours: 4

Prerequisite Courses: MAT 112 or MAT 150 or MAT 160.
University Studies: Common Requirements/Critical Reasoning, Foundations/Mathematics and Statistics
Course Repeatability: Course may not be repeated. You must achieve a 'C' (2.00) or better if you intend to use this course as a prerequisite for another course.

CSC 133 - Discrete Mathematical Structures

Introduction to discrete mathematics applicable to computer science. Propositional and predicate logic, basic proof techniques, set algebra and Boolean algebra, recursion and induction, and introductory graphs and combinatorics.

Credit Hours: 3

Prerequisite Courses: MAT 112 or MAT 150 or MAT 160.
University Studies: Foundations/Mathematics and

Statistics
Course Repeatability: Course may not be repeated.

CSC 220 - 3-D Computer Graphics Tools and Literacy

Project-based approach to learning fundamental principles of 3-D computer graphics using high-level software tools. Modeling of objects, geometrical transformations, surface algorithms, lighting and shading, alternative rendering techniques, and providing background skills necessary to create animated movies.

Credit Hours: 3

Prerequisite Courses: Prerequisite: CSC 112 or CSC 131. Prerequisite or corequisite: ART 260 or ART 282.
Crosslisting: ART 220, FST 220
Course Repeatability: Course may not be repeated.

CSC 231 - Introduction to Data Structures

Study of basic data structures and their applications. Lists and trees; searching and sorting algorithms; hashing; analysis and design of efficient algorithms.

Recommended for CSC majors only. A grade of 'C' (2.00) or better is required for taking courses for which CSC 231 is a prerequisite.

Credit Hours: 4

Corequisite Courses: CSC 133
Prerequisite Courses: CSC 131 with a minimum grade of C
Course Repeatability: Course may not be repeated.

CSC 331 - Object-Oriented Programming and Design

Object-oriented programming with a focus on software modeling of objects, classes, methods, inheritance, interfaces, polymorphism, and multi-threading. Completion of a team software project is required.

Credit Hours: 3

Prerequisite Courses: CSC 231 with a minimum grade of C.
Additional Restrictions/Requirements: A grade of 'C' (2.00) or better is required for taking courses for which

CSC 331 is a prerequisite.
Course Repeatability: Course may not be repeated.

CSC 365 - Client-Side Web Development

Development of applications for the World Wide Web focusing on client-side languages. Introduction to current principles, standards, and best practices in website design, usability, accessibility, and management through project-based skills. Development in standards-compliant markup, styling, and scripting, including web services programming.

Credit Hours: 3

Prerequisite Courses: CSC 231 or permission of instructor.
Course Repeatability: Course may not be repeated.

CSC 368 - Visual Design for Multi-Media

Combined studio/lecture course that examines technologies and basic principles of the Internet specific to visual interface design and interactivity. Topics covered include technical, functional, and aesthetic issues related to basic graphic design and

page design principles; site planning and implementation; graphic production using software and designing for user experience.

Credit Hours: 3

Prerequisite Courses: CSC 231 with a minimum grade of "C" and ART/CSC/FST 220
University Studies: Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

CSC 370 - Computer Graphics

Introduction to geometric modeling for graphic programming. Topics include transformations for modeling, viewing, and projection; geometric modeling of curves and surfaces; hidden-surface removal; clipping; graphical buffers; material simulation; texture mapping; and lighting.

Credit Hours: 3

Prerequisite Courses: CSC 231 with a minimum

grade of C and MAT 162
Course Repeatability: Course may not be repeated.

Core Math Courses (8 credit hours)

MAT 161 - Calculus with Analytical Geometry I

Calculus of a single variable intended for students in the mathematical and natural sciences. Functions and limits; differentiation with applications including maxima and minima, related rates, and approximations; theory of integration with applications; and transcendental functions.

Credit Hours: 4

Prerequisite Courses: MAT 112 or MAT 160, or satisfactory performance on the UNCW mathematics placement test.
University Studies: Foundations/Mathematics and Statistics, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

MAT 162 - Calculus with Analytical Geometry II

The second course in a three-course sequence. Further techniques and applications of integration;

infinite sequences and series; conic sections, parametrized curves and polar coordinates; and, elementary differential equations.

Credit Hours: 4

Prerequisite Courses: MAT 161.
University Studies: Foundations/Mathematics and Statistics, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

Electives (9 credit hours)

Choose 3 classes from the following list of approved electives.

ART 320 - Computer Animation

Basic principles of animation using 3-D computer-generated animation and basic processes for animating synthetic objects through structured exercises. Principles of designing and producing 3-D computer-generated animation through the creation of advanced motion studies. Projects focus on developing higher-level skills in model building, animation and color and lighting.

Credit Hours: 3

Prerequisite Courses: ART 220
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Crosslisting: CSC 320, FST 320
Course Repeatability: Course may not be repeated.

ART 273 - Digital Illustration

Introduction to the practice and theory of digital art & illustration. Exploration of the core concepts and techniques in digital image making, photo manipulation, and content production using industry-standard software applications.

Credit Hours: 3

Prerequisite Courses: ART 101 and ART 111.
Course Repeatability: Course may not be repeated.

ART 311 - Intermediate Life Drawing

Drawing from the model: structure, composition, and development of personal expression.

Credit Hours: 3

Prerequisite Courses: ART 211
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

ART 360 - Intermediate Graphic Design

Further investigation into graphic design creative processes and study of graphic communication through lectures, projects, and readings. Continuing development of software proficiency, critical and analytical skills. Emphasis on both practical and speculative approaches to design problems and their synthesis into formal solutions.

Credit Hours: 3

Prerequisite Courses: ART 260
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

ART 370 - 3D Printing and Laser Cutting

Exploration of 3D printing and laser cutting for art and design. Study of digital art culture including contemporary artistic, political, and ethical issues in the field.

Credit Hours: 3

Prerequisite Courses: ART 101 or consent of instructor.
Course Repeatability: Course may not be repeated.

ART 371 - Video Art & Projection Mapping

An exploration of time-based media, video art and projected light, with instruction on the history and use of analog and digital methods, including a variety of video projection mapping software to create immersive environments or to add moving textures and images to sculpture, installation, performance, and architecture.

Credit Hours: 3

Prerequisite Courses: ART 101 or consent of instructor.
Course Repeatability: Course may not be repeated.

CSC 315 - Mobile Application Development

Concepts and technologies for developing applications on mobile devices, including mobile-platform programming, memory-management, object-oriented paradigms, model-view-controller design, mobile-centric frameworks for networking, multimedia, location-based services, and interface design. Application design, programming, and implementation for a current mobile platform.

Prerequisite Courses: CSC 331 with a minimum grade of "C".
Course Repeatability: Course may not be repeated.

CSC 421 - Game Development

Design and implementation of computer games, including design, modeling, and animation of meshes for game characters and environments using 3D software, scene and object representation, graphics pipeline, collision detection, picking, graphics optimization, basic physics and Artificial Intelligence for games, and code modifications and additions for a game engine.

Credit Hours: 3

Prerequisite or Corequisite Courses: CSC 320 or CSC 370.
Prerequisite Courses: CSC 220 and (CSC 331 with a minimum grade of C).
Course Repeatability: Course may not be repeated.

CSC 430 - Digital Visual Effects

Exploration of digital image and video representation and manipulation for motion-picture visual effects. Topics include image storage and compression, film and video formats, compositing, filtering, scripting for graphics and visual effects, photorealistic lighting and rendering, virtual cinematography, camera tracking, and particle effects.

Credit Hours: 3

Prerequisite Courses: (CSC 370 or ART 320 or FST 320), or CSC 370.
Crosslisting: FST 430
Course Repeatability: Course may not be repeated.

CSC 461 - Virtual Reality

Study of the fundamentals of virtual reality (VR) and virtual environment technology (VET). Topics include human perception and cognition; scientific research, training, and industry; building good user experiences; and other topics. Students are required to develop a VR-based application as a final project and paper.

Credit Hours: 3

Prerequisite Courses: CSC 331 with a grade of "C" or better.
Course Repeatability: Course may not be repeated.

Total: 70 credit hours

Additional Information

A grade point average of 'C' (2.0) or better computed over all the courses used to fill the requirements of the major are required.

Economics, B.A.

While the B.S. degree in business administration with a concentration in economics requires the completion of core classes in many business disciplines, the B.A. degree in economics is, in essence, a liberal arts

program that focuses on economics. Because of the relatively small number of required hours in the B.A. major, students are provided the flexibility to pursue a second major, a minor, or classes that will prepare them for employment opportunities or graduate work. The B.A. is especially recommended for students who desire to pursue graduate work in economics, public policy, and law.

Requirements for Admission

Students who apply for and are admitted into the Cameron School of Business are initially classified as Pre-Business or Pre-Economics majors. To declare Pre-Business or Pre-Economics, students must have earned a minimum overall grade point average of 2.50 and completed MAT 150 Basic Precalculus, or MAT 160 Precalculus: Algebra & Trigonometry, or earned sufficient placement score for MAT 151 Basic Calculus with Applications I or MAT 161 Calculus with Analytical Geometry.

To be formally admitted to the Bachelor of Arts in Economics program in the Cameron School of Business, a student must meet each of the following admission requirements:

1. Completion of a minimum of 12 credit hours at UNCW.
2. Completion of at least 30 credit hours.
3. Completion of each of the following courses with at least a "C-": MAT 151 or MAT 161; BAN 280 or STT 215; ECN 221 and ECN 222.
4. An overall grade point average of a least 2.70 on a 4.00 scale for all course work attempted at UNCW.
5. Completion of the Cameron School of Business admission application.

Oral Communication Requirement:

To satisfy the oral communication requirement for the B.A. degree in Economics, a student must successfully complete COM 101 or ECN 432.

Requirements for a B.A. Degree in Economics:

Students may qualify for the B.A. degree by:

1. Successful completion of requirements as stated under University Regulations of this catalogue;
2. Attaining a minimum grade point average of 2.00 on all courses attempted in the Cameron School of Business;

3. Successful completion of the courses designated for the degree program (At least 50 percent of the business credit hours required for the degree program must be taken at UNCW):
   a. Completion of a University Studies Program as defined in this catalogue
   b. Cameron School of Business Economics Core Requirements (39 semester hours)
   c. Elective Courses: completion of elective courses sufficient to complete a minimum of 120 semester hours of course credit. Electives are to be chosen by the student after consulting with the faculty advisor.
4. Students seeking the B.A. degree in Economics must earn a minimum grade point average of 2.00 in all business and economics courses attempted in the Cameron School of Business. No grade below a "C-" in the major will be accepted towards graduation.
5. Admission to the Cameron School of Business is required for enrollment in 300- and 400-level business courses with the following exceptions: ECN 324; ECN 325; ECN 327; ECN 330.

Economics Core courses must include:

MAT 151 - Basic Calculus with Applications I

Intended for majors that emphasize techniques and applications. Study of linear and nonlinear functions, differentiation with applications, Riemann sums, integration, and the Fundamental Theorem of Calculus.

Credit Hours: 3

Prerequisite Courses: MAT 111 or MAT 150 or MAT 160, or satisfactory performance on the UNCW mathematics placement test.
University Studies: Foundations/Mathematics and Statistics, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

MAT 161 - Calculus with Analytical Geometry I

Calculus of a single variable intended for students in the mathematical and natural sciences. Functions and limits; differentiation with applications including maxima and minima, related rates, and approximations; theory of integration with applications; and transcendental functions.

Credit Hours: 4

Prerequisite Courses: MAT 112 or MAT 160, or satisfactory performance on the UNCW mathematics placement test.
University Studies: Foundations/Mathematics and Statistics, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

BAN 280 - Statistical Analysis for Business and Economics

Classification and presentation of business and economics data, probability and expected value, statistical inference, simple linear regression and correlation analysis.

Credit Hours: 3

Prerequisite Courses: MAT 111 or MAT 150.
University Studies: Foundations/Mathematics and Statistics
Course Repeatability: Course may not be repeated.

STT 215 - Introduction to Statistics

Methods of data collection; numerical and graphical analyses of univariate and bivariate data; axioms of probability; conditional probability; independence; distributions of random variables; introduction to confidence intervals and hypothesis testing; simple linear regression and correlation; use of statistical software to analyze data and simulate random variables.

Credit Hours: 3

University Studies: Foundations/Mathematics and Statistics
Course Repeatability: Course may not be repeated.

ECN 221 - Principles of Economics-Micro

Analysis of decision-making processes and economic equilibrium for the individual firm and consumer at an introductory level.

Credit Hours: 3

Prerequisite Courses: MAT 111 or MAT 150 or MAT 151 or MAT 160 or MAT 161

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

ECN 222 - Principles of Economics-Macro

Aggregate economic analysis examining the effects of fiscal and monetary policy upon aggregate employment, income and prices at an introductory level.

Credit Hours: 3

Prerequisite Courses: ECN 221
University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.

ECN 321 - Intermediate Microeconomics

A theoretical analysis of individual consumer and firm behavior and general equilibrium.

Credit Hours: 3

Prerequisite Courses: (MAT 151 or MAT 161) and ECN 222.
Additional Restrictions/Requirements: Prerequisite courses and either admission to Cameron School of Business or declared minor in economics.
Course Repeatability: Course may not be repeated.

ECN 322 - Intermediate Macroeconomics

A theoretical analysis of the determination of aggregate income, aggregate employment, and the average price level and role of monetary and fiscal policy in the macroeconomy.

Credit Hours: 3

Prerequisite Courses: EDN 301
Additional Restrictions/Requirements: Prerequisite course and completion of 6 semester hours of appropriate mathematics or statistics at the 101 level or higher, with minimum grade of C-.
Course Repeatability: Course may not be repeated.

ECN 326 - Comparative Economic Systems

Analysis of economic systems operating under capitalism, socialism, communism, and fascism; institutions and organization of production and government; decision-making; distribution of income; problems of developing nations.

Credit Hours: 3

Prerequisite Courses: ECN 125 or ECN 222.
Additional Restrictions/Requirements: Prerequisite courses and either admission to Cameron School of Business or declared minor in economics.
University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

ECN 426 - International Trade and Finance

A consideration of international trade theory and international financial institutions, including comparative advantage, exchange rates and balance of payments problems.

Credit Hours: 3

Prerequisite Courses: ECN 222 and INB 300.
Additional Restrictions/Requirements: Prerequisite courses and either admission to Cameron School of Business or declared minor in economics.
Crosslisting: INB 426.
Course Repeatability: Course may not be repeated.

ECN 324 - Financial Markets and Institutions

An introduction to the financial and economic environment within which a firm must operate. Analysis of the sources and the cost and availability of funds in a domestic and international setting; analysis of international monetary flows; financial decision making in an integrated world economy.

Credit Hours: 3

Prerequisite Courses: ECN 222
Crosslisting: FIN 324
Course Repeatability: Course may not be repeated.

ECN 328 - Public Finance

Study of state, local, and federal government revenue and expenditures; theory of taxation, tax shifting and

incidence; theory of public goods, fiscal neutrality and government regulation; methods of achieving efficiency in government benefit-cost analysis, program budgeting (PPB), and pricing of government services.

Credit Hours: 3

Prerequisite Courses: ECN 222.
Additional Restrictions/Requirements: Prerequisite courses and either admission to Cameron School of Business or declared minor in economics
University Studies: Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.

ECN 377 - Introduction to Econometrics and Data Analytics

Introduction to applied estimation, testing and interpretation of economic models useful for business and policy decision-making. Emphasis on applied, client-driven model formulation, data acquisition and manipulation, and model estimation using statistical regression in a desktop computing environment. Extensive practice in interpretation of results for

business and policy audiences.

Credit Hours: 3

Prerequisite Courses: ECN 222 and (MAT 151 or MAT 161) and (BAN 280 or STT 215).
Additional Restrictions/Requirements: Prerequisite courses and either admission to Cameron School of Business or declared minor in economics.
Course Repeatability: Course may not be repeated.

ECN 477 - Advanced Econometrics and Research Methods

An introduction to the formalization of economic hypotheses into testable relationships and the application of appropriate statistical techniques. Theoretical aspects are covered, but primary emphasis is on computer application utilizing regression analysis.

Credit Hours: 3

Prerequisite Courses: ECN 222 and (BAN 280 or STT 215) and ECN 377.
Additional Restrictions/Requirements: Prerequisite

courses and either admission to Cameron School of Business or declared minor in Economics.
University Studies: Building Competencies/Writing Intensive, Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

Plus nine hours of Economics Electives

At least six hours numbered between 300 to 490, and at least three hours numbered between 400 to 490. MAT 335 may be taken as one of these electives.

Total: 39 hours

Additional Information:

Students who wish to pursue graduate studies (economics graduate school, law school, etc.) should consult a faculty advisor early in the major to identify elective courses outside the economics program that will aid them in gaining acceptance to graduate school.

Education of Young Children, B.A.

The Education of Young Children (EYC) program offers a Bachelor of Arts degree leading to Birth through

Kindergarten (B-K) teacher licensure in North Carolina, as well as courses for individuals who wish to add Birth-Kindergarten or Preschool Add-on licensure to an existing degree or license.

Target Audience: The Education of Young Children program is designed for people who will assume leadership roles as teachers, consultants, and directors of early childhood education programs in public and private schools. Program Goals: The goal of the Education of Young Children program at UNCW is to assist in providing an appropriate education of young children (birth through kindergarten) through the preparation of teachers who are well educated and professionally competent.

Upon completion of the undergraduate Education of Young Children program (EYC), the student should be able to:

- Demonstrate understanding of the typical and atypical course of development, including the underlying processes and prominent characteristics, of children from birth through kindergarten.

- Delineate major philosophical, historical, and legal bases and characteristics of the field of early childhood education, including special education.
- Acquire knowledge and skill in creating and adapting learning environments which are developmentally appropriate (including methods for sensorimotor, cognitive, adaptive, language/communication, social, aesthetic, emotional and physical development) for young children with a wide range of learning and maturational needs.
- Demonstrate knowledge of the trends, issues, and research in early intervention and early childhood education.
- Demonstrate the ability to create environments and engage in interactions that are sensitive to diversity (e.g., cultural, linguistic, geographic, ethnic, and socioeconomic), as well as promoting an anti-bias perspective.
- Demonstrate sensitivity and respect for differences in families, view parents as partners in the education process, and establish collaborative relationships with them.

- Establish a pattern of reflective learning and inquiry leading towards confidence, professionalism, and effectiveness in the role of educator of young children.

Degree Requirements for Education of Young Children:

University Studies:

Students should follow university studies requirements of the University of North Carolina Wilmington as outlined in the University Studies section of the catalogue.

The major in education of young children requires 75 hours of interdisciplinary and education courses for Licensure Option or 72 hours of interdisciplinary and education courses for Non-Licensure Option:

Interdisciplinary Core: (16 hours)

EDN 200 - Teacher, School and Society

This course examines historical, sociological, and philosophical foundations of education as well as

issues of diversity. The course engages students' knowledge, research, and analytical skills in relation to the goals and purposes of education. Students are challenged to critically reflect on personal and educational experiences as preservice professionals. The course is designed to provide opportunities to observe and engage in reflective discussion of curriculum and instructional practices, school governance and organization, and school-community relationships, inclusive of field experience. **Additional liability insurance expense may be necessary.** The lab for this course is EDNL 200.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in Our Diverse Nation, Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.

EDN 204 - Introduction to Early Childhood Education

This introductory course is designed for students who are interested in early childhood education and early intervention as professional careers. It examines the theoretical bases for teaching and early intervention with young children birth through five and their families. Content includes an overview of the historical roots, current issues, program models, and goals of early childhood education as well as an introduction to professional standards and organizations. Particular emphasis is placed on environments and interactions that are responsive to children's developmental, individual, and cultural needs. Field experiences required.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

EDN 303 - Instructional Technology

Emphasizes the design, selection, production, and evaluation of instructional materials, computer-generated presentations, and interactive multimedia,

with particular emphasis on their effective integration into an instructional unit. Develops skill in the operation of media production equipment, including microcomputers, fundamentals of operating systems, computer software applications, networks, and telecommunications.

Credit Hours: 3

University Studies: Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

PSY 220 - Child Psychology

Human psychological development through childhood and early adolescence. Normal development is emphasized.

Credit Hours: 3

Prerequisite Courses: PSY 105
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 345 - Sociology of the Family

Origin and development of the family as a social institution from an historical and comparative approach; analysis of forms and functions of the family; socialization, mate selection, procreation.

Credit Hours: 3

Prerequisite Courses: SOC 105
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

Interdisciplinary Specialty: (47 hours)

EDN 280 - Play and Creative Arts

Study of play behaviors and fine arts curriculum from birth to age five. Designed to prepare students to plan and deliver play-based and developmentally appropriate experiences that foster children's engagement in the cultural and performing arts (drama, dance, vocal and instrumental music, and visual art). Theory and practices for promoting play and developing creativity will be emphasized.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives
Course Repeatability: Course may not be repeated.

EDN 302 - Child Observation and Assessment

Designed to develop a broad set of child and family observation skills and ability to conduct and interpret variety of means of child assessment, both formal and informal. Methods of assessment will include systematic observations, use of screening instruments, interview techniques, rating scales, portfolios and anecdotal records. Includes knowledge of assessment with culturally diverse populations and children with special needs. Field experiences required. The lab for this course is EDNL 302.

Credit Hours: 3

Corequisite Courses: EDNL 302
Course Repeatability: Course may not be repeated.

EDNL 302 - Field Experience in Early Childhood Education

Provides students with opportunities for application of concepts through forty-five hours of fieldwork with young children and their families in a variety of community settings including public schools, preschools, childcare centers, and private homes under the supervision of licensed service providers. This course is the lab for EDN 302 and requires 30 hours of field experience.

Credit Hours: 3

Corequisite Courses: EDN 302
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.

EDN 382 - Literacy Development in the Early Years

Designed to inform students of the theory and research that has influenced the development of principles and strategies for promoting emergent literacy. Developmentally appropriate literacy activities will be explored along with ways to use individualized assessment to gauge children's current abilities and to

use and build upon what children bring to oral language, reading, and writing. The roles of supportive adults, print-rich environments and principles of multicultural learning will be investigated. Field experiences required.

Credit Hours: 3

Prerequisite Courses: EDN 204.
Additional Restrictions/Requirements: Prerequisite course and admission to Watson College of Education.
Course Repeatability: Course may not be repeated.

EDN 383 - Mathematics and Science for the Early Years

Designed to acquaint B-K teachers with the curriculum, materials and methods used to teach basic concepts in mathematics and science to young children. Emphasis will be given to developmentally appropriate materials and experiences to promote power of observation and to encourage emergent conceptual abilities and cognitive processing skills. Field experiences required.

Credit Hours: 3

Prerequisite Courses: EDN 204.
Additional Restrictions/Requirements: Prerequisite course and admission to Watson College of Education.
Course Repeatability: Course may not be repeated.

EDN 424 - Child Guidance

This course is designed to introduce students to theories, principles and techniques for developmentally appropriate guidance of young children birth through five years. Emphasis is placed on guidance techniques, strategies and appropriate interventions that teachers can use to facilitate young children's autonomy and self-discipline while promoting development of self-concept and prosocial behaviors. The effect of the environment and adult-child interaction on guidance will be examined. Class activities include lectures, small and large group discussions, cooperative learning activities, video illustrations, case analyses, problem solving exercises, and field experience reflections. Field experiences required.

Credit Hours: 3

Prerequisite Courses: EDN 204 or EDN 203
Course Repeatability: Course may not be repeated.
Additional Course Fee Schedule

EDN 430 - Preschool Curriculum

Provides students the understandings, skills, and abilities necessary to implement an effective preschool program. Emphasis placed on knowledge of the curriculum content and the effective combinations and correlations of these contents for a preschool program. Activities include lectures, discussions, demonstration, individual, and group projects. Field experiences required.

Credit Hours: 3

Prerequisite Courses: EDN 204 or EDN 203.
Additional Restrictions/Requirements: Prerequisite courses and admission to Watson College of Education.
Course Repeatability: Course may not be repeated.

EDNL 430 - Field Experience in Kindergarten

Provides students with opportunities for application of concepts through forty-five hours of fieldwork with kindergarten-aged children. Students will be acquainted with a variety of instructional strategies, materials, methods of instruction and technology currently used in kindergarten programs.

Credit Hours: 3

Corequisite Courses: EDN 430.
Prerequisite Courses: EDN 204.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.

EDN 450 - Infant and Toddler Program Models

Designed to inform students of the goals, philosophies and program characteristics of exemplary programs in very early childhood education (birth to age three). Developmentally appropriate settings and activities for infants and toddlers will be studied, and ways of working with parents will be explored. Optimal caregiving strategies and skills needed for providing a quality program for infants and toddlers will be

emphasized. Field experiences required.

Credit Hours: 3

Prerequisite Courses: EDN 204 or EDN 203.
Additional Restrictions/Requirements: Prerequisite courses and admission to Watson College of Education.
Course Repeatability: Course may not be repeated.

EDN 451 - Adaptive Practices in Early Childhood

Designed to develop both planning and intervention skills for working with young children with special needs and their families. Students will plan educational programs, which include use of specific intervention techniques and practices from recognized early intervention programs for children showing a typical development. Attention will be given to adopting strategies to include exceptional children in programs for typically developing young children. Field experiences required.

Credit Hours: 3

Corequisite Courses: EDNL 451.
Prerequisite Courses: EDN 204 or EDN 203 or SED 250.
Additional Restrictions/Requirements: Corequisite course, prerequisite courses and admission to Watson College of Education.
University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

EDNL 451 - Field Experience in Special Education

Provides students with opportunities for application of concepts through thirty hours of fieldwork with young children and their families in a variety of community settings including public schools, preschools, and childcare facilities under the supervision of licensed service providers. This course is the lab for EDN 451 and requires 30 hours of field experience.

Credit Hours: 2

Corequisite Courses: EDN 451.

Prerequisite Courses: EDN 204 or EDN 203.
Additional Restrictions/Requirements: Corequisite course, prerequisite course and admission to Watson College of Education and consent of instructor.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

EDN 452 - Early Intervention

This course is designed to inform students of the goals, philosophies, and program characteristics of exemplary programs in early childhood education for children with disabilities (birth to age three). Developmentally appropriate settings and activities for infants and toddlers with disabilities will be explored.

Credit Hours: 3

Prerequisite Courses: EDN 204 and SED 250.
Additional Restrictions/Requirements: Prerequisite courses and admission to Watson College of

Education.
Course Repeatability: Course may not be repeated.

EDN 460 - Administration of Preschool Programs

The administration of early childhood education programs will be studied, including planning, scheduling, enrollment, licensure and evaluation of programs operating in various settings. Relevant federal and state legislation, policies and regulations will be examined. Public policy questions in the United States and the implications of policy decisions for program administration will be examined. Possibilities for integrating child and parent education will also be explored. Field experiences required.

Credit Hours: 3

Prerequisite Courses: EDN 204.
Additional Restrictions/Requirements: Prerequisite course and admission to Watson College of Education.
Course Repeatability: Course may not be repeated.

SED 250 - Introduction to Special Education

Survey of major categories of exceptionality including intellectual disabilities, learning disabilities, behavioral and emotional disorders, attention deficits and hyperactivity, communication disorders, sensory impairments, multiple and severe disabilities, physical and health impairments, and giftedness. Includes study of definitions, characteristics, etiology, psycho-social implications, educational interventions, and current issues. At least 6 field experience hours required.

Credit Hours: 3

University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

PSY 320 - Psychology of Infancy and Early Childhood

An in-depth examination of development from conception through kindergarten age. Both normal and a typical development are considered from a

biopsychosocial perspective. Methodological and theoretical issues are emphasized.

Credit Hours: 3

Prerequisite Courses: PSY 220 or PSY 223
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SWK 311 - Child Abuse and Neglect

Study of the knowledge base, laws, and professional roles associated with contemporary child welfare practice. Identification of child maltreatment, reporting procedures and community-based interdisciplinary practice issues are emphasized. Upon acceptance to the NC Child Welfare Education Collaborative, students must complete both SWK 311 and SWK 312 before admission to a DSS field placement.

Credit Hours: 3

Additional Restrictions/Requirements: Students must earn a "C" or better in each SWK course in order

to progress in the program.
Course Repeatability: Course may not be repeated.

Professional Semester, Licensure Option: (12 hours)

EDN 463 - Child, Family, and Teacher Relations

This course is designed to enable students to develop their knowledge of the elements of partnership with families in early childhood settings. The course develops an understanding of traditional and non-traditional families, structural and lifestyle variations and parenting in diverse cultures and at-risk families. Approaches for establishing and sustaining collaboration among professionals, parents, caregivers and community agencies on behalf of children with and without special needs will be explored. Field experiences required.

Credit Hours: 3

Prerequisite Courses: EDN 204.
Additional Restrictions/Requirements: Prerequisite course and admission to the Watson College of Education.
Course Repeatability: Course may not be repeated.

EDN 465 - Student Teaching in Early Childhood Education (B-K)

A full-time practicum experience with young children and their families in an approved early childhood setting. Students will engage in a variety of supervised activities assuming an increasing amount of responsibility for all phases of an educational program for young children and their families. Emphasis is on the teacher intern as a decision maker and reflective practitioner.

Credit Hours: 10

Additional Restrictions/Requirements: Admission to Watson College of Education and completion of all specialty area coursework. A 2.70 GPA on all work at UNCW is required.
University Studies: Explorations Beyond the Classroom, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.
Additional Course Fees: Additional Fee - General Professional Internship Liability InsuranceAdditional Course Fee Schedule

Professional Semester, Non-Licensure Option: (9 hours)

EDN 463 - Child, Family, and Teacher Relations

This course is designed to enable students to develop their knowledge of the elements of partnership with families in early childhood settings. The course develops an understanding of traditional and non-traditional families, structural and lifestyle variations and parenting in diverse cultures and at-risk families. Approaches for establishing and sustaining collaboration among professionals, parents, caregivers and community agencies on behalf of children with and without special needs will be explored. Field experiences required.

Credit Hours: 3

Prerequisite Courses: EDN 204.
Additional Restrictions/Requirements: Prerequisite course and admission to the Watson College of Education.
Course Repeatability: Course may not be repeated.

EDN 467 - Non-Licensure Practicum

Must receive program approval to enroll. A supervised practicum experience working with children and/or their families in a school or community setting. Designed for students who are completing a degree in education without earning licensure, this practicum promotes integration of the knowledge, skills, and dispositions required to be an effective educator. The practicum placement is selected to be consistent with the student's career goals. Placement and field hours must be approved by the instructor. This course does not fulfill the requirements for North Carolina teacher licensure.

Credit Hours: 6 to 12

Additional Restrictions/Requirements: Admission to Watson College of Education and consent of instructor. Must receive full program approval to enroll. Not guaranteed. Does not result in licensure (licensure test requirement waived for elementary majors).

University Studies: Explorations Beyond the Classroom, Common Requirements/Critical Reasoning

Course Repeatability: Course may not be repeated.
Additional Course Fee Schedule

Note:

Students wishing to pursue teacher preparation programs must be formally admitted to the Watson College of Education and to the Teacher Education Program. Students in all programs should consult their advisiors for admission procedures and for a list of courses requiring Watson College admissions. A grade of "C-" or better is required in education courses, as well as all courses in the interdisciplinary specialty and the professional semester. Students may repeat courses in which they earn a grade lower than a "C-" only with the permission of the dean of the Watson College of Education. A cumulative grade point average of 2.70 is required for the practicum semester.

Elementary Education, B.A.

The elementary program is primarily concerned with preparing initially licensed teachers for K-6 license in the state of North Carolina. The target audience is undergraduate students who wish to meet eligibility requirements for a K-6 elementary teaching license.

The program of study includes a 4 semester sequence of courses in teaching methods and elementary content, and a series of increasingly comprehensive field experience. The culminating capstone is a semester long internship. For licensure it is required to take the required state exam(s) during the program.

Degree Requirements for a B.A. in Elementary Education

University Studies

Students should follow university studies requirements of the University of North Carolina Wilmington as outlined in the Academic Programs and University Studies section of the catalogue. The major in elementary education requires 78 - 81 hours (63 hours of education courses and 15 - 20 hours in an academic concentration) as follows:

Professional Core (18 Credit Hours)

EDN 200 - Teacher, School and Society

This course examines historical, sociological, and philosophical foundations of education as well as issues of diversity. The course engages students' knowledge, research, and analytical skills in relation to the goals and purposes of education. Students are challenged to critically reflect on personal and educational experiences as preservice professionals. The course is designed to provide opportunities to observe and engage in reflective discussion of curriculum and instructional practices, school governance and organization, and school-community relationships, inclusive of field experience. **Additional liability insurance expense may be necessary.** The lab for this course is EDNL 200.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in Our Diverse Nation, Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.

EDN 203 - Psychological Foundations of Teaching

A study of the major psychological variables that influence learning in schools and their applications to teaching. Addresses theories and systems of learning (behavioral, cognitive, constructivist, and humanistic); major developmental processes and typical characteristics; and principles of motivation. Variables explaining and accounting for individual differences will be examined, including cultural aspects of learning and special needs learners. Students will learn about practices associated with effective teaching, including classroom management, and standards for valid assessment of student learning.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

EDN 240 - Foundational Literacy Skills Instruction

Emphasizes the assessment of and instruction in word recognition and other early and foundational literacy skills, especially those that develop oral language and connect speech to print.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

EDN 300 - Elementary School Programs and Practices

Focus on the purposes of the elementary school in today's society and the varied philosophical and theoretical stances used to design programs and select practices that will meet the needs of diverse learners. Ten hours of field experience required.

Credit Hours: 3

University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

EDN 301 - Instructional Design and Evaluation

Provides conceptual tools and analytic skills essential to planning, implementing, and evaluating instruction. The design of instruction that incorporates behavioral, cognitive and constructivist theories of learning and views of curriculum will be considered. Topics: types of learning; conditions of learning; performance objectives; purposes, forms, and procedures for educational assessment; task analysis, and lesson design.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite:EDN 200 and EDN 203.
Course Repeatability: Course may not be repeated.

EDN 303 - Instructional Technology

Emphasizes the design, selection, production, and evaluation of instructional materials, computer-generated presentations, and interactive multimedia, with particular emphasis on their effective integration into an instructional unit. Develops skill in the operation of media production equipment, including

microcomputers, fundamentals of operating systems, computer software applications, networks, and telecommunications.

Credit Hours: 3

University Studies: Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

Professional Education (31 Credit Hours)

EDN 319 - Meeting Needs of Special Students In Elementary Schools

This course will focus on strategies for meeting needs of individuals in elementary school classrooms. Students will study alternative methods for dealing with pupil differences that have an impact on academic and social behaviors. Characteristics of children with academic, intellectual, social-emotional, physical, cultural and language differences will be examined. Field experiences required.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

EDN 322 - Foundations of Number and Algebraic Reasoning (K-6)

Focus on the curriculum, materials, and methods appropriate for the teaching of number and algebraic reasoning for the kindergarten through sixth grade level. Field experience required. The lab for this course is EDNL 322.

Credit Hours: 3

Prerequisite Courses: EDN 301
Additional Restrictions/Requirements: Prerequisite course and completion of 6 semester hours of appropriate mathematics or statistics at the 101 level or higher, with minimum grade of C-.

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

EDN 325 - Foundations of Geometry, Measurement and Data (K-6)

Focus on the curriculum, materials, and methods appropriate for the teaching of geometry, measurement and data for the kindergarten through sixth grade level. Field experience required.

Credit Hours: 3

Prerequisite Courses: EDN 322
Course Repeatability: Course may not be repeated.
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

EDNL 322 - Math Laboratory

This course is designed to provide students with supervised tutorial experiences with school-aged children. Focus on observation of students, development of math lesson plans, math instruction for individual students, evaluation of student performance, interacting with parents, and reflecting on instructional performance. This course is the lab for EDN 322.

Credit Hours: 0.5

Corequisite Courses: EDN 322

Course Repeatability: Course may not be repeated.
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

EDN 330 - Teaching Diverse Learners (K-6)

Examines a range of aspects of diversity, with a view toward understanding the impact of these forces on teaching and learning. Uses an interdisciplinary approach that draws from academic and community resources and experiences to immerse students in practice and research related to multicultural education and multiple dimensions of diversity.

Credit Hours: 3

Prerequisite Courses: EDN 300 and EDN 301
Course Repeatability: Course may not be repeated.
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

EDNL 331 - Apprentice Field Experience I

Designed to provide supervised extended experiences in public elementary school classrooms. Students will complete field experience requirements of enrolled

methods courses and will assist with small group instruction and general classroom responsibilities. Field placement will require 4 hours, one day per week for entire semester.

Credit Hours: 1

Course Repeatability: Course may not be repeated.
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

EDNL 332 - Apprentice Field Experience II

Designed to provide supervised extended experiences in public elementary school classrooms. Students will complete field experience requirements of methods courses and will plan and teach whole group lessons. Field placement will require one full day per week for entire semester.

Credit Hours: 1

Prerequisite Courses: EDNL 331
University Studies: Explorations Beyond the Classroom

Course Repeatability: Course may not be repeated.
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

EDNL 333 - Apprentice Field Experience III

Designed to provide supervised extended experiences in public elementary school classrooms. Students will complete field experience requirements of methods courses and will plan and teach multiple lessons. Field placement will require students to teach for two intensive weeks in school.

Credit Hours: 1

Prerequisite Courses: EDNL 331
University Studies: Explorations Beyond the Classroom, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

EDN 334 - Social Studies Curriculum and Instruction (K-6)

An overview of the goals of social studies education and how this affects various patterns of organizing curricular content. The implications of learner developmental characteristics for selecting approaches to instruction from history as well as the social and behavioral sciences will be explored. Emphasis on selection and preparation of appropriate materials including the strategies of inquiry, critical thinking, mapping and graphing, simulation, and problem solution. Field experiences required.

Credit Hours: 3

Prerequisite Courses: EDN 301
Additional Restrictions/Requirements: Prerequisite course and 6 hours of social studies content.
University Studies: Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

EDN 336 - The Teaching of Science (K-6)

Methods of teaching the biological, earth and physical sciences. Applications of the sciences to classroom experimentation and investigation. Examination of contemporary curricula used at the elementary school level. Field experiences required.

Credit Hours: 3

Prerequisite Courses: EDN 301
Additional Restrictions/Requirements: Prerequisite course and completion of two science courses, one of which must have a laboratory component, with minimum grade of C-.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

EDN 340 - Applied Literacy Methods

This course emphasizes the instructional application of foundational and advanced literacy skills with a focus on the role of comprehension and research-based tools to support vocabulary acquisition, fluency, and reading for meaning. The lab for this course is EDNL 340.

Credit Hours: 3

Corequisite Courses: EDNL 340
Prerequisite Courses: EDN 240
Course Repeatability: Course may not be repeated.

EDNL 340 - Reading Laboratory

This course is designed to provide students with supervised tutorial experiences with school-aged children. Focus on observation of students, development of literacy lesson plans, literacy instruction for individual students, evaluation of student performance, interacting with parents, and reflecting on instructional performance.

Credit Hours: 0.5

Corequisite Courses: EDN 340
Course Repeatability: Course may not be repeated.
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

EDN 348 - Differentiated Literacy Assessment and Instruction

This final course in the literacy course sequence emphasizes the culmination of theory, practice, and assessment of literacy teaching and learning in classrooms, especially methods of differentiation across diverse student populations. A field experience is required.

Credit Hours: 3

Corequisite Courses: EDNL 332 and EDNL 333
Prerequisite Courses: EDN 340
Course Repeatability: Course may not be repeated.
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

EDN 414 - Integrating the Arts in the Elementary Curriculum

Designed to provide experiences with visual art, music, drama, and dance that will prepare students to plan and deliver appropriate experiences for elementary students. Attention will be given to understanding the arts in culture, the needs of young children in the arts, the creative process, the skills and concepts of the arts, and connections to other disciplines. Emphasis will be

on integrating arts instruction in other areas of the curriculum. Field experience required.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

Professional Semester (14 Credit Hours)

EDN 411 - Student Teaching (K-6; 6-9)

A full-time practicum experience within the area of specialization. Students will engage in a variety of supervised instructional activities, assuming an increasing amount of responsibility for all phases of classroom instruction. Practicum are offered in the areas of elementary education (K-6), middle grades education (6-9), and special education.

Credit Hours: 12

Corequisite Courses: For elementary education majors, EDN 413 and EDN 419 .
Additional Restrictions/Requirements: All courses in

the professional core and specialty areas appropriate for the concentration for K-6, 6-9 majors and a 2.70 GPA on all work attempted at UNCW.
University Studies: Explorations Beyond the Classroom, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

EDN 413 - Classroom Management Seminar (K-6)

This course is designed to assist student interns in establishing and maintaining a positive elementary classroom climate for diverse learners. It will provide a forum for discussion for interns by involving current classroom teachers and making use of field placements experiences. A survey of K-6 management techniques grounded in current teaching practice will be shared.

Credit Hours: 1

Corequisite Courses: EDN 411 and EDN 419
Course Repeatability: Course may not be repeated.

EDN 419 - Seminar in Education (K-6)

Designed as a culmination of professional study and an initiation into student teaching and the teaching profession. Provides opportunities to extend and apply understandings of the roles of the teacher as a decision-maker, particularly in the areas of planning, instruction, management, and evaluation.

Credit Hours: 1

Corequisite Courses: EDN 411
Additional Restrictions/Requirements: Corerequisite course, all courses in the professional core and professional education areas appropriate for the concentration for K-6, and a 2.7 GPA on all work attempted at UNCW.
Course Repeatability: Course may not be repeated.

Professional Semester Non-Licensure (limited to specific situations, see program requirements)

Program has stringent requirements for permission to enroll in non licensure practicum (including, but not limited to, attempt at EDN 411)

EDN 467 - Non-Licensure Practicum

Must receive program approval to enroll. A supervised practicum experience working with children and/or their families in a school or community setting. Designed for students who are completing a degree in education without earning licensure, this practicum promotes integration of the knowledge, skills, and dispositions required to be an effective educator. The practicum placement is selected to be consistent with the student's career goals. Placement and field hours must be approved by the instructor. This course does not fulfill the requirements for North Carolina teacher licensure.

Credit Hours: 6 to 12

Additional Restrictions/Requirements: Admission to Watson College of Education and consent of instructor. Must receive full program approval to enroll. Not guaranteed. Does not result in licensure (licensure test requirement waived for elementary majors).

University Studies: Explorations Beyond the Classroom, Common Requirements/Critical Reasoning

Course Repeatability: Course may not be repeated.
Additional Course Fee Schedule

Note:

Students wishing to pursue teacher preparation programs must be formally admitted to the Watson College of Education and to the Teacher Education Program. Students in all programs should consult their advisors for admission procedures and for a list of courses requiring Watson College admissions. A grade of "C-" or better is required in all education courses, as well as courses in the interdisciplinary specialty and the professional semester. Students may repeat courses in which they earn a grade lower than a "C-" only with the permission of the dean of the Watson College of Education. A cumulative grade point average of 2.70 is required for eligibility for the practicum semester.

Academic Concentration

An academic concentration of 15 semester hours is required. Academic concentrations may be chosen from one of the following ten concentrations: *Early Childhood Education requires 20 hours. *English as a Second Language concentration requires 18 hours.

Behavioral Studies (15 Credit Hours)

Psychology: Minimum of 3 hours

PSY 105 - General Psychology

Principles of psychology with emphasis on scientific methods used in studying human behavior.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

PSY 256 - PSY 256 - Brain and Behavior - Hungerford

An introductory survey of the functional anatomy of the nervous system and the roles which various neural systems play in normal and abnormal behavior.

Credit Hours: 3

Prerequisite Courses: PSY 105 and (BIO 105, BIO 140+BIOL 140, BIO 201, BIO 202, or BIO 240+BIOL 240)
Additional Restrictions/Requirements: Prerequisite courses or consent of the instructor.
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

PSY 270 - Cross-Cultural Psychology

Psychological study of the impact of culture on behavior. Topics including cultural effects on perception, cognition, personality, emotions, development, and mental health will be examined. Emphasis on application of cultural frames of reference to living in a global society.

Credit Hours: 3

Prerequisite Courses: PSY 105
University Studies: Approaches and Perspectives/Living in a Global Society

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

PSY 271 - Psychology of Human Diversity

The contribution of psychology to the understanding of diversity in our society. Biopsychosocial aspects of diversity and methods of increasing understanding and inclusiveness will be emphasized. The psychological nature of stereotyping, discrimination, and prejudice will be examined.

Credit Hours: 3

Prerequisite Courses: PSY 105
University Studies: Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

or any PSY 001-499 course for a minimum of 3 hours.

Sociology: Minimum of 3 hours

SOC 105 - Introduction to Sociology

Introduction to the scientific study of human society and social behavior.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 215 - Modern Social Problems

Contemporary social issues and conditions viewed as problematic, such as racism, sexism, crime, poverty, war, alienation, and deviance.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 240 - Individuals and Societies in a Global World

Introduction to globalization as an ongoing socio-economic process and as an analytical concept. Examines various aspects of globalization of economies and societies.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 325 - Racial and Ethnic Group Relations

An examination of race and ethnicity in modern societies and social, economic, and political inequalities among racial and ethnic groups. Major topics include political-economic causes and consequences of prejudice, racism and institutional discrimination; social history of intergroup relations in the United States; comparative intergroup relations.

Credit Hours: 3

Prerequisite Courses: SOC 105
University Studies: Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 350 - Gender and Society

Focus on gender in social life. Theoretical explanations of gender differentiation, with an emphasis on socialization, stratification, family, work, education, politics, and social change.

Credit Hours: 3

Prerequisite Courses: SOC 105
University Studies: Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 380 - Social Classes

Examination of social stratification as the system of distribution of privilege, power and prestige in modern

and traditional societies. Discussion of major theories and theorists of stratification; the structure and process of systems of social inequality; the causes, correlates and consequences of socially structured inequality.

Credit Hours: 3

Prerequisite Courses: SOC 105
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

CRM 105 - Introduction to Criminal Justice

Study of criminal law and the criminal justice system in the U.S. Emphasis on structure and function of police, courts and corrections.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.

CRM 110 - Crime and Justice Issues

Critical issues and contemporary debates in crime and justice.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.

SWK 235 - Introduction to Social Work and the Social Welfare System

Social welfare institution and the social work profession in the United States; the values, methods and roles of social workers and the history of the system.

Credit Hours: 3

Additional Restrictions/Requirements: Students must earn a "C" or better in each SWK course in order to progress in the program.
University Studies: Approaches and Perspectives/Understanding Human Institutions and

Behaviors

Course Repeatability: Course may not be repeated. Or, a minimum of 3 hours from any SOC, CRM, SWK or HEA course numbered 001-499. Three credit hours of Watson College of Education Study Abroad can be substituted for any of the above courses.

*Early Childhood Education (20 Credit Hours)

EDN 302 - Child Observation and Assessment

Designed to develop a broad set of child and family observation skills and ability to conduct and interpret variety of means of child assessment, both formal and informal. Methods of assessment will include systematic observations, use of screening instruments, interview techniques, rating scales, portfolios and anecdotal records. Includes knowledge of assessment with culturally diverse populations and children with special needs. Field experiences required. The lab for this course is EDNL 302.

Credit Hours: 3

Corequisite Courses: EDNL 302
Course Repeatability: Course may not be repeated.

EDNL 302 - Field Experience in Early Childhood Education

Provides students with opportunities for application of concepts through forty-five hours of fieldwork with young children and their families in a variety of community settings including public schools, preschools, childcare centers, and private homes under the supervision of licensed service providers. This course is the lab for EDN 302 and requires 30 hours of field experience.

Credit Hours: 3

Corequisite Courses: EDN 302
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.

EDN 424 - Child Guidance

This course is designed to introduce students to theories, principles and techniques for developmentally

appropriate guidance of young children birth through five years. Emphasis is placed on guidance techniques, strategies and appropriate interventions that teachers can use to facilitate young children's autonomy and self-discipline while promoting development of self-concept and prosocial behaviors. The effect of the environment and adult-child interaction on guidance will be examined. Class activities include lectures, small and large group discussions, cooperative learning activities, video illustrations, case analyses, problem solving exercises, and field experience reflections. Field experiences required.

Credit Hours: 3

Prerequisite Courses: EDN 204 or EDN 203
Course Repeatability: Course may not be repeated.
Additional Course Fee Schedule

EDN 430 - Preschool Curriculum

Provides students the understandings, skills, and abilities necessary to implement an effective preschool program. Emphasis placed on knowledge of the curriculum content and the effective combinations and

correlations of these contents for a preschool program. Activities include lectures, discussions, demonstration, individual, and group projects. Field experiences required.

Credit Hours: 3

Prerequisite Courses: EDN 204 or EDN 203.
Additional Restrictions/Requirements: Prerequisite courses and admission to Watson College of Education.
Course Repeatability: Course may not be repeated.

EDN 450 - Infant and Toddler Program Models

Designed to inform students of the goals, philosophies and program characteristics of exemplary programs in very early childhood education (birth to age three). Developmentally appropriate settings and activities for infants and toddlers will be studied, and ways of working with parents will be explored. Optimal caregiving strategies and skills needed for providing a quality program for infants and toddlers will be emphasized. Field experiences required.

Credit Hours: 3

Prerequisite Courses: EDN 204 or EDN 203.
Additional Restrictions/Requirements: Prerequisite courses and admission to Watson College of Education.
Course Repeatability: Course may not be repeated.

EDN 451 - Adaptive Practices in Early Childhood

Designed to develop both planning and intervention skills for working with young children with special needs and their families. Students will plan educational programs, which include use of specific intervention techniques and practices from recognized early intervention programs for children showing a typical development. Attention will be given to adopting strategies to include exceptional children in programs for typically developing young children. Field experiences required.

Credit Hours: 3

Corequisite Courses: EDNL 451.

Prerequisite Courses: EDN 204 or EDN 203 or SED 250.
Additional Restrictions/Requirements: Corequisite course, prerequisite courses and admission to Watson College of Education.
University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

EDNL 451 - Field Experience in Special Education

Provides students with opportunities for application of concepts through thirty hours of fieldwork with young children and their families in a variety of community settings including public schools, preschools, and childcare facilities under the supervision of licensed service providers. This course is the lab for EDN 451 and requires 30 hours of field experience.

Credit Hours: 2

Corequisite Courses: EDN 451.
Prerequisite Courses: EDN 204 or EDN 203.
Additional Restrictions/Requirements: Corequisite

course, prerequisite course and admission to Watson College of Education and consent of instructor.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

Practicum for Elementary Education Majors with EYC Concentration

EDN 411 is a typical 14-week internship for Elementary Education majors. It must be conducted in a kindergarten classroom. Grades for EDN 411, EDN 413 and EDN 419 (Practicum) will be based entirely on the intern's performance in the kindergarten classroom. Practicum semester will conclude with 3 full days of participant observation in an approved preschool setting during the final three days of the last week of the internship, the transition week. Interns pursuing the EYC Academic Concentration will be placed in a preschool classroom. For the entire school day of each of the three days of observation, interns pursuing EYC Academic Concentration will observe the children, the

teacher and the routines of the day and work with children under the direction of their partnership teacher.

*English as a Second Language (18 Credit Hours)

TSL 265 - Culture, Advocacy and Policy for ESL Teachers

This course will introduce students to the field of English as a second language, including cultural, social, and political contexts of linguistic diversity from historical and critical perspectives. Topics include legal and administrative aspects of the field, including national and state regulations. A 10-hour participatory observation experience is required.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

TSL 312 - English Grammar for Teachers

This course is designed to explore language, English grammar, mechanics, and usage from a pedagogical perspective. Students will explore the structure of the English language with emphasis placed on how to teach grammatical concepts to others.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

TSL 326 - Applied Linguistics for ESL

Students will analyze all aspects of the English language with emphasis on understanding the nature and structure of the language that English language learners bring into the classroom.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

All courses above may be taken prior to admission to Watson College of Education.

TSL 417 - Second Language Methods

Students will be introduced to the instructional cycle used with English language learners. Topics include the design and implementation of instruction. The course includes a 30 hour field experience component.

Credit Hours: 3

Prerequisite Courses: EDN 316
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

TSL 418 - Assessment for English Language Learners

Students will address issues of assessment for non-native English speakers. Topics include classroom assessment, program evaluation, language proficiency assessment, and standardized assessment.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

TSL 423 - Second Language Acquisition

Students will be introduced to the field of Second Language Acquisition. Topics include basic concepts in first and second language acquisition and relationships between the two, key research, theories and principles in the field of English as a second language and how they relate to the academic achievement of English language learners.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

*Required Field Hours: TSL 265 has 10 hours; TSL 417 has 25-30 hours.

Fine Arts (15 Credit Hours)

Fine Arts History and Culture - Minimum of 3 Hours:

ARH 201 - Ancient Art and Archaeology

Introduction to the art and cultures of ancient Egypt, the Near East, and the Mediterranean. Emphasis on architecture, painting, sculpture, and objects of daily life

to inform the myths and histories of ancient civilizations connected to the broader Mediterranean basin.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives
Course Repeatability: Course may not be repeated.

ARH 202 - Medieval and Early Modern Art

Study of the major developments in global art, including painting, sculpture, and architecture from the late Medieval through the Early Modern period. Subject, style, formal qualities, patronage, significance, and the place of works of art in their respective religious, social, and political context.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives
Course Repeatability: Course may not be repeated.

FNA 101 - Cultures of the World Through Music and Dance

Examination of a variety of musical styles and dance forms from around the world, with attention to cultural issues and practices. Includes participation in dance and musical experiences.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

FNA 102 - Explorations in the Creative Process

Explorations of the creative process informed by a variety of allied arts including, but not limited to: creative writing, music, painting, sculpture, theater, dance and film. Includes lectures, readings, and creative exercises.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives
Course Repeatability: Course may not be repeated.

MUS 115 - Music in Society

Comparative study of representative works and aesthetic movements in classical, jazz, popular, and global music traditions from varied historical periods and geographic regions. Focus on how music reflects sociocultural influences, identities, and perspectives in the United States, while also revealing the interconnectedness of peoples and cultures from past centuries to the present day.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives, Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.

MUS 116 - History of Jazz

A survey of the evolution of this American art form from its African roots and European influences to the present. Technical knowledge of music not required.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives, Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.

MUS 117 - American Music

A survey of American composers, musicians, and music making from the earliest days of European settlement to the present. Includes a variety of styles: folk, religious, concert, rock, and more. Technical knowledge of music helpful, but not required.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives, Approaches and Perspectives/Living in

Our Diverse Nation
Course Repeatability: Course may not be repeated.

THR 112 - Dance Appreciation

Appreciation of dance as an art form. The study of dance as a reflection and expression of various cultures from pre-history to present. Includes exposure to contemporary concert dance through films and televised or live performance. Introductory experience in selected dance techniques.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

THR 121 - Introduction to Theatre

Appreciation of theatre through an understanding of its artistic elements, history, dramatic literature, and audience involvement.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

Or, a minimum of 3 hours from any ARH, FNA, MUS or THR course numbered 001-499. Music - Minimum of 3 Hours:

MUS 106 - Exploring Music

Explores the creative process of making music while developing an understanding of basic musical concepts. Designed for students with no musical background who wish to increase their understanding of music. Emphasis on music listening, playing classroom instruments, group singing, improvisation, and music literacy.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthetic, Interpretive and Literary

Perspectives and Living in a Global Society
Course Repeatability: Course may not be repeated.

MUS 111 - Theory I

An in-depth study of the basic material of music, including notation of pitch and rhythm, intervals, scales and modes, key signatures, and triads. The lab for this course is MUSL 111.

Credit Hours: 2

Corequisite Courses: ["MUSL 111"]
Additional Restrictions/Requirements: Corerequisite course; Theory Placement test required.
University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives
Course Repeatability: Course may not be repeated.

MUSL 111 - Aural Skills and Sight-Singing I

Includes melodic, harmonic and rhythmic dictation and sight-singing using the materials introduced in MUS 111. This course is the lab for MUS 111.

Credit Hours: 1

Corequisite Courses: ["MUS 111"]
Course Repeatability: Course may not be repeated.

MUS 150 - Introduction to Music Listening

Guided listening to representative works from Western classical, jazz, popular, and global music traditions. Development of ability to describe elements of compositions and style using basic musical vocabulary. Concert attendance required in addition to the regular class meeting time.

Credit Hours: 1

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives
Course Repeatability: Course may not be repeated.

MUS 184 - Jazz Ensemble

The development of idiomatic performance techniques of jazz music in a variety of styles and mediums through the study of its musicians, as well as

performance practices throughout its history. (Intended for students who have had instrumental experience.) May be repeated for credit.

Credit Hours: 1

Additional Restrictions/Requirements: Audition and consent of instructor.
University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives, Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

MUS 185 - Symphonic Band

The Symphonic Band is an outstanding ensemble consisting of highly talented woodwind, brass and percussion players, including both music majors and non-music majors. Enrollment is open to all UNCW students with previous instrumental experience and the necessary skills to perform on a wind or percussion instrument. Three rehearsal hours per week and typically two concerts each semester. May be repeated

for credit.

Credit Hours: 1

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

MUS 186 - University Chorale

Singers study and perform repertoire of various historical periods and styles appropriate for large chorus. May be repeated for credit.

Credit Hours: 1

Additional Restrictions/Requirements: Auditions and consent of director.
University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12 **Repeat Limit:** 11

MUS 187 - Orchestra

Study and performance of the orchestral literature; meets a minimum of two hours per week and gives two or three performances per semester. Section 001 is the Wilmington Symphony Orchestra, membership by audition only; Section 002 is the UNCW String Ensemble, open to UNCW students without audition. May be repeated for credit.

Credit Hours: 1

Additional Restrictions/Requirements: Audition and consent of director.
University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

Or, a minimum of 3 hours from any MUS course numbered 001-499. Theatre - Minimum of 3 Hours:

THR 130 - Improvisation

Exploration of spontaneous dramatic playing through intensive exercises and theatre games meant to generate greater individual freedom and self-discipline, as well as to employ improvisation techniques in acting to develop characterization, stage movement, and ensemble performance.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

THR 136 - Movement Exploration

Study through creative dance techniques of the body's potential as a tool for creative expression. Exploration of the relationship of dance to other art forms. Solo and group work using basic art concepts and the individual's own experience as materials for movement improvisation and composition. No dance training necessary.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives
Crosslisting: PED 136
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

THR 230 - Acting For Non-Majors

An introduction to basic acting techniques for non-majors.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

Or, a minimum of 3 hours from any COM or THR course numbered 001-499. Three credit hours of Watson College of Education Study Abroad can be substituted for any of the above courses.

International Studies (15 Credit Hours)

Semester Abroad - Minimum 9 hours from any of the following areas: Anthropology Economics Literature Art/Music Environmental Studies Political Science Conversational Language Geography Religion Comparative Education Geology Sociology Cultural History History

Specialty Study - Minimum of 6 Hours:

ANT 105 - Introduction to Anthropology

Introduction to the physical, archaeological, linguistic, and ethnological fields of anthropology; biological and cultural evolution of man.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in a Global Society, Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.

ANT 206 - Cultural Anthropology

A presentation of the content and historical development of cultural anthropology. Deals with the cultural relativism, ethnocentrism, institutional analysis and cultural integration and shifts in theoretical perspectives by comparing ethnographies of selected cultures.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

EVS 195 - Introduction to Environmental Sciences

Interdisciplinary introduction to the scope and application of environmental sciences. Emphasis on integrated analysis of environmental principles and discussions centering on current environmental problems. The lab for this course is EVSL 195.

Credit Hours: 3

Additional Restrictions/Requirements: EVS 195 and

EVSL 195 may be taken in different semesters.
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

EVS 205 - Global Environmental Issues

Interdisciplinary study of contemporary environmental issues at a global scale, such as climate change, human population, biodiversity loss, food and water scarcity, energy, stratospheric ozone depletion, acid rain, and environmental justice. Causes, effects, policy implications, international negotiations, and development of treaties will be examined.

Credit Hours: 3

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

FRH 302 - Grammar and Composition I

Thorough study of French grammatical structures and nuances, with attention to the contrasts between French and English. Intensive practice in writing, editing and revising papers written in genres such as landscape descriptions, literary portraits, narration of events, and critical essays.

Credit Hours: 3

Prerequisite Courses: FRH 202 or placement by exam.
Additional Restrictions/Requirements: Permission of the instructor.
University Studies: Foundations/Foreign Language
Course Repeatability: Course may not be repeated.

FRH 303 - Grammar and Composition II

Thorough study of French grammatical structures and nuances, with attention to the contrasts between French and English. Intensive practice in writing, editing, and revising papers written in genres such as analytical essays, reviews of films, books, music, and other artistic performances, literary analyses, and personal and business correspondence.

Credit Hours: 3

Prerequisite Courses: FRH 202 or placement by exam.
Additional Restrictions/Requirements: Permission of instructor.
University Studies: Foundations/Foreign Language
Course Repeatability: Course may not be repeated.

GER 301 - Advanced German

Not open to native speakers. Continued review of the grammatical structure of the language. Application of the language in composition, convention, and reading. Intensive work on increasing vocabulary, idiomatic usage, and overall accuracy. Development of advanced language proficiency. Culmination of the lower-level language sequence.

Credit Hours: 3

Prerequisite Courses: GER 202
University Studies: Approaches and Perspectives/Living in a Global Society, Building

Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

GGY 101 - Modern World Geography

The theory, techniques, and professional applications of modern geographic science. Examines geography as a broad interdisciplinary science focused on places, spatial patterns, and the intersection between human activities and the natural world. Includes discussion of the historical origins and modern relevance of geographic thought.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

GGY 180 - World Regional Geography

Regional survey of historical, physical, economic, and cultural geography of world regions. Fundamental locational geography as the foundation for a clear world

view and an understanding of global interdependence.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

HST 103 - Introduction to Global History 1500-1848

The political, economic, cultural, religious, and environmental processes that transformed the world between 1500 and 1848. Examines the Columbian (biological) Exchange, formation of colonial empires, expansion of global religions, and emergence of global trade and slave trade.

Credit Hours: 3

University Studies: Approaches and Perspectives/Historical and Philosophical Approaches, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

PLS 111 - Politics and Government in Global Perspective

Survey for non-majors of politics and governmental institutions within and among nation states. Attention will also be given to the role of political theory and ideology in the governance of states.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

PLS 202 - Contemporary American Political Issues

Important political issues and their relationship to the overall American political process. Topics are selected from, but not limited to: education policy; health care policy; federal deficit and debt policy; and minorities and politics.

Credit Hours: 3

University Studies: Approaches and

Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.

SOC 105 - Introduction to Sociology

Introduction to the scientific study of human society and social behavior.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 215 - Modern Social Problems

Contemporary social issues and conditions viewed as problematic, such as racism, sexism, crime, poverty, war, alienation, and deviance.

Credit Hours: 3

University Studies: Approaches and

Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

Or, any ANT, EVS, FRH, GER, GGY, HST, PLS, SOC or SPN course numbered 001-499.

Language Arts (15 Credit Hours)

Oral Communication - Minimum of 3 Hours:

COM 104 - Concepts in Communication Studies

Introduction to communication concepts central to interpersonal relationships, organizations, mass media and other contexts of communication. Focus on concepts and skills that have a practical impact on the student's understanding and practice of communication. Designed specifically for students not intending to become communication studies majors.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and

Behaviors
Course Repeatability: Course may not be repeated.

COM 116 - Performance of Literature

Analysis of poetry, prose, and ethnographic texts through the medium of oral performance. Emphasis is on literary selection, textual analysis, performance analysis and characterization, and other strategies and skills.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives, Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.

COM 220 - Interpersonal Communication

Introduction to the theory and practice of relational communication in face-to-face and social media situations and contexts. Focus is on improving interpersonal communication skills through understanding verbal, nonverbal, and relational

processes.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.

THR 230 - Acting For Non-Majors

An introduction to basic acting techniques for non-majors.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

Or any COM course numbered 001-499.

Literature - Minimum of 3 Hours:

ENG 110 - Introduction to Literature

Introduction to reading and responding to literature in a variety of genres, such as poetry, fiction, drama, and literary non-fiction.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives, Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

ENG 211 - British Literature to 1800

A survey of representative British text from the Anglo-Saxon period through the eighteenth century. This course examines selections from an analytical and historical perspective.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives, Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

ENG 212 - British Literature Since 1800

A survey of representative British texts of the nineteenth and twentieth centuries. This course examines selections from an analytical and historical perspective.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives
Course Repeatability: Course may not be repeated.

ENG 223 - American Literature to 1870

A survey of representative texts from colonial and early America and of the Romantic era.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives, Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

ENG 224 - American Literature Since 1870

A survey of representative texts from the eras of American Realism and the twentieth century.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives, Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

ENG 225 - World Literature to 1600

A survey of representative works of world literature (excluding British and American writers), including both Western and non-Western works. Work from ancient times to approximately 1600.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives, Approaches and Perspectives/Living in a Global Society, Building Competencies/Writing Intensive, Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.

ENG 226 - World Literature Since 1600

A survey of representative works of world literature (excluding British and American writers), including both Western and non-Western works. 1600 to the present.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives, Approaches and Perspectives/Living in a Global Society, Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

ENG 227 - World Anglophone Literatures

A theme-based literature course featuring literatures written in English from locations other than US and UK. May be repeated under a different subtitle.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives, Approaches and Perspectives/Living in a

Global Society, Building Competencies/Writing Intensive
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6

ENG 230 - Women In Literature

Modern literature by and about women. Focuses on changes in images and roles of women. May include fiction, poetry, drama, and nonfiction.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives, Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.

ENG 232 - African American Literature

Introduction to the African American literary tradition through a focus on genre, historical era, or major themes, such as nationalism, religion, or urban culture. Topics/historical periods may vary according to instructor.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives, Approaches and Perspectives/Living in Our Diverse Nation, Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

ENG 290 - Themes in Literature

An interdisciplinary study of a significant theme, such as war and peace, justice, love, youth and age, focusing primarily on literary works but also drawing on sources from other fields, including art, music, and history. May be repeated under a different subtitle.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite:ENG 103 or ENG 201, or consent of instructor.
University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary

Perspectives, Building Competencies/Writing Intensive
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

Or any ENG course numbered 001-499.

Writing - Minimum of 3 Hours:

CRW 201 - Introduction to Creative Writing

Introduction to the principles and techniques of creative writing, aimed at developing the creative process. Includes lectures, reading, and writing exercises in poetry, fiction, and creative nonfiction.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives
Course Repeatability: Course may not be repeated.

CRW 203 - The Evolution of Creative Writing: Fiction, Poetry, and Creative Nonfiction

Introduction to the historical development of poetic, narrative, and other forms of creative writing. Analytical and creative assignments develop student

understanding of techniques such as metrics, point of view, and narrative structure. This course is a core requirement for the CRW major and CRW minor.

Credit Hours: 3

University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

CRW 314 - Theory and Practice of Literary Translation

Introduction to the theory and practice of literary translation. Includes translation exercises, workshop discussion, reading on the history and theory of translation.

Credit Hours: 3

Prerequisite Courses: CRW 307 or CRW 308 or CRW 309
University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

ENG 308 - Grant and Proposal Writing

Study of grant and proposal writing for use in non-profit organizations, educational settings, and businesses. Emphasis on research methods, planning, developing funding relationships, and writing collaboratively. Includes a service-learning component.

Credit Hours: 3

University Studies: Building Competencies/Writing Intensive, Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.

Or any CRW or ENG course numbered 001-499. Three credit hours of Watson College of Education Study Abroad can be substituted for any of the above courses.

Mathematics and Technology (15 Credit Hours)

MAT 141 - Concepts of Mathematics: Number, Operations, and Problem Solving

A conceptual examination of mathematics content that is aligned with elementary and middle grades curricula. Topics include the real number system and related

operations.

Credit Hours: 3

University Studies: Common Requirements/Critical Reasoning, Foundations/Mathematics and Statistics
Course Repeatability: Course may not be repeated.

MAT 142 - Concepts of Mathematics: Geometry, Measurement, and Problem Solving

A conceptual examination of mathematics content that is aligned with elementary and middle grades curricula. Topics include geometry, measurement, probability, and data analysis.

Credit Hours: 3

University Studies: Foundations/Mathematics and Statistics, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

MAT 151 - Basic Calculus with Applications I

Intended for majors that emphasize techniques and applications. Study of linear and nonlinear functions,

differentiation with applications, Riemann sums, integration, and the Fundamental Theorem of Calculus.

Credit Hours: 3

Prerequisite Courses: MAT 111 or MAT 150 or MAT 160, or satisfactory performance on the UNCW mathematics placement test.
University Studies: Foundations/Mathematics and Statistics, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

MAT 161 - Calculus with Analytical Geometry I

Calculus of a single variable intended for students in the mathematical and natural sciences. Functions and limits; differentiation with applications including maxima and minima, related rates, and approximations; theory of integration with applications; and transcendental functions.

Credit Hours: 4

Prerequisite Courses: MAT 112 or MAT 160, or satisfactory performance on the UNCW mathematics

placement test.
University Studies: Foundations/Mathematics and Statistics, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

STT 215 - Introduction to Statistics

Methods of data collection; numerical and graphical analyses of univariate and bivariate data; axioms of probability; conditional probability; independence; distributions of random variables; introduction to confidence intervals and hypothesis testing; simple linear regression and correlation; use of statistical software to analyze data and simulate random variables.

Credit Hours: 3

University Studies: Foundations/Mathematics and Statistics
Course Repeatability: Course may not be repeated.

Or any MAT or STT course numbered 001-499.

Technology - Minimum of 3 Hours:

CSC 112 - Introduction to Computer Programming

Introduction to programming in a high-level language. Algorithms, computer systems, data representation, survey of computer applications, elementary programming techniques, debugging and verification of programs. The language to be used will be specified in the schedule of classes. Recommended primarily for non computer science majors.

Credit Hours: 3

Prerequisite Courses: MAT 112 or MAT 150 or MAT 160.
University Studies: Foundations/Mathematics and Statistics
Course Repeatability: Course may not be repeated.

CSC 121 - Programming Concepts I

Problem-solving methods and algorithms in a modern high-level programming language. Introduces classes and objects; control structures; arrays; characters and strings. Emphasis on programming style and the design, coding, and testing of complete programs.

Credit Hours: 4

Prerequisite Courses: MAT 111.
Additional Restrictions/Requirements: Recommended primarily for information technology majors. Will not transfer to the computer science major or minor. A grade of "C" (2.00) or better is required to take MIS 316. Available online only.
University Studies: Building Competencies/Quantitative and Logical Reasoning, Foundations/Mathematics and Statistics
Course Repeatability: Course may not be repeated.

CSC 133 - Discrete Mathematical Structures

Introduction to discrete mathematics applicable to computer science. Propositional and predicate logic, basic proof techniques, set algebra and Boolean algebra, recursion and induction, and introductory graphs and combinatorics.

Credit Hours: 3

Prerequisite Courses: MAT 112 or MAT 150 or MAT

160.

University Studies: Foundations/Mathematics and Statistics

Course Repeatability: Course may not be repeated.

Or any CSC or MIS course numbered 001-499. Three credit hours of Watson College of Education Study Abroad can be substituted for any of the above courses.

Physical Activity, Wellness and Childhood Obesity (15 Credit Hours)

Required:

HFE 345 - Childhood Obesity

Focuses on the methods used in the assessment, prevention and treatment of childhood obesity. In addition, this course will examine the etiology of obesity and the role that human behaviors and an active lifestyle play in the overall health and well-being of children.

Credit Hours: 3

University Studies: Understanding Human Institutions

and Behaviors
Course Repeatability: Course may not be repeated.

Choose 12 hours from the following courses:

CHHS 210 - Creating Happiness and Well-Being

An introduction to the study of topics related to happiness and its impact on quality of life. Students will learn principles and theoretical models targeted at increasing and/or sustaining happiness. The course will focus on big-picture issues and real-world applications.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.

HEA 105 - Individual Well-Being

Topical areas and issues in health explored within the physical, emotional, social, environmental, intellectual, and spiritual dimensions of personal wellness.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

HEA 207 - Nutrition and Behavior

Application of the principles of nutrition as related to health; various levels of wellness; and practices of health care. Emphasis on basics of sound nutrition, requirements of various food elements, diet planning, diet patterns for specific age groups, nutritional fads and weight control.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

HEA 304 - Comprehensive School Health Education, Grades K-12

An overview of the school health education program. Emphasis on methods and materials for health instruction in grades K-12.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

HFE 386 - Physical Activity Pedagogy I

Provides students theory, technique, and methods of developing and implementing developmentally appropriate healthful living for grades K-5. Emphasis on teaching effectiveness, planning, writing learning objectives, integration of technology and contemporary curricular models. Field experience is required.

Credit Hours: 4

Prerequisite Courses: HFE 235 with a C- or better or PED 235 with a C- or better.
Course Repeatability: Course may not be repeated.

HFE 415 - Adapted Physical Activity

Provide students theoretical and practical knowledge to plan and implement appropriate physical activity programs for individuals with disabilities in integrated and inclusive settings.

Credit Hours: 0

Prerequisite Courses: (EXS 216 with a C- or better and EXSL 216 with a C- or better) or (BIO 240 with a C- or better and BIOL 240 with a C- or better).
Additional Restrictions/Requirements: Senior standing, prerequisite courses, or consent of instructor.
University Studies: Writing Intensive, Information Literacy
Course Repeatability: Course may not be repeated.
Additional Course Fees: Additional Fee - General Professional Internship Liability Insurance Additional Course Fee Schedule

Science and Health (15 Credit Hours)

Health - Minimum of 3 Hours: Any HEA course numbered 001-499.

Science - Minimum of 3 Hours:

BIO 105 - Concepts of Modern Biology

Introduction to the diversity of life and the principles governing living systems, focusing on the role of humans in the natural world. Designed for the non-biology major. Employs multi-media instructional materials. The lab for this course is BIOL 105.

Credit Hours: 3

Prerequisite or Corequisite Courses: BIOL 105
University Studies: Building Competencies/Information Literacy, Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

BIO 150 - Humans and Ecology

Introduction to the principles of ecology including concepts of succession, biotic communities, biodiversity, limits on population growth and conservation of natural resources.

Credit Hours: 3

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

BIO 202 - Principles of Biology: Biodiversity

Evolution, classification, and diversity of life, stressing morphology, physiology, principles of adaptation, and relationships between biotic and abiotic components of ecosystems. The lab for this course is BIOL 202.

Credit Hours: 3

Prerequisite or Corequisite Courses: BIOL 202
University Studies: Building Competencies/Information Literacy, Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

CHM 101 - General Chemistry I

Overview of the fundamental laws, principles and theories of chemistry. A 'C' or better in CHM 101 is required to take certain advanced courses in chemistry.

Credit Hours: 3

Corequisite Courses: CHML 101.
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural

World
Course Repeatability: Course may not be repeated.

CHML 101 - General Chemistry Laboratory I

Introduction to general chemistry laboratory techniques. This course is the lab companion course for general chemistry lecture CHM 101.

Credit Hours: 1

Corequisite Courses: CHM 101.
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

EDN 426 - Island Ecology for Educators

Through interaction with resources and experts students will develop readily accessible, web-based materials through engagement in field based exploration of plants and animals of coastal ecosystems and environmental issues. This course focuses on both science content and pedagogical resource development.

Credit Hours: 3

Crosslisting: EVS 426
Course Repeatability: Course may not be repeated.

EVS 195 - Introduction to Environmental Sciences

Interdisciplinary introduction to the scope and application of environmental sciences. Emphasis on integrated analysis of environmental principles and discussions centering on current environmental problems. The lab for this course is EVSL 195.

Credit Hours: 3

Additional Restrictions/Requirements: EVS 195 and EVSL 195 may be taken in different semesters.
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

EVS 205 - Global Environmental Issues

Interdisciplinary study of contemporary environmental issues at a global scale, such as climate change, human population, biodiversity loss, food and water scarcity, energy, stratospheric ozone depletion, acid rain, and environmental justice. Causes, effects, policy implications, international negotiations, and development of treaties will be examined.

Credit Hours: 3

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

GGY 230 - Introduction to Weather and Climate

Examination of general climatic characteristics through space and time, especially as influenced by controls upon temperature, wind and moisture distributions, and by planetary, regional and local atmospheric disturbances.

Credit Hours: 3

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

GLY 101 - Earth Revealed

An introduction to Geology covering fundamental topics including plate tectonics, geologic time, and Earth materials with emphasis on how geology affects the natural environment, controls distribution of natural resources, and poses risks to humans. Contemporary issues covered include natural resource use (water, energy), geohazards, coastal processes, and climate change.

Credit Hours: 3

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World, Living in a Global Society
Course Repeatability: Course may not be repeated.

GLY 120 - Environmental Geology

Introduction to the relationships between man and his geologic environment. Concerned with the problems that people have in using the earth and the reaction of the earth to that use. Emphasis is placed on earth processes, earth resources, and properties of rocks and surficial deposits insofar as they are important to or affect human activities. The lab for this course is GLYL 120.

Credit Hours: 3

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

GLY 125 - Natural Disasters

Examination of the causes, effects, and options available to mitigate actual disasters, such as earthquakes, volcanic eruptions, landslides, subsidence, flooding, severe weather, and meteorite impacts. Case histories are used to demonstrate scientific principles and socioeconomic issues.

Credit Hours: 3

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

GLY 135 - Prehistoric Life

Introduction to the field of paleontology and the fossil record; the succession of life from its earliest beginnings through the Age of Dinosaurs to modern Man; evolutionary, environmental and ecological analyses of fossil plants and animals based on biologic and geologic principles.

Credit Hours: 3

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

OCN 250 - Coasts and Society

Variability of coastal landforms, the processes that shape them, problems brought about by natural and anthropogenic changes, and the role of culturally-based perceptions on valuation and management of coastal systems. Focus on coastal environments of populated continents and island nations including barrier islands, rocky coasts, dunes, estuaries, marshes and deltas.

Credit Hours: 3

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World, Approaches and Perspectives/Living in a Global Society, Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

PHY 101 - Elementary College Physics I

First semester of a two semester algebra-based introduction to the fundamental principles of physics. Topics include kinematics, Newtonian statics and dynamics, gravitation, oscillations, and mechanical waves.

Credit Hours: 4

Prerequisite or Corequisite Courses: MAT 111 or MAT 112 or MAT 150 or MAT 151 or MAT 160 or MAT 161
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

PHY 102 - Elementary College Physics II

Second semester of a two semester algebra-based introduction to the fundamental principles of physics. Topics include electric and magnetic fields, circuits, electromagnetic waves, and optics.

Credit Hours: 4

Prerequisite Courses: PHY 101
Course Repeatability: Course may not be repeated.

PHY 103 - Great Ideas in Physics

Introduces the nature of science to the nonscientist by emphasizing the concepts underlying four great ideas in physics: the conservation of energy, the second law

of thermodynamics, the relativity of time, and the wave-particle duality of nature. Explores the mutual influence of science and the humanities (literature, philosophy, history, and the arts).

Credit Hours: 3

Course Repeatability: Course may not be repeated.

PHY 104 - Physics Everyone Should Know

Prepares individuals with the physics needed to be effective world leaders by stressing conceptual understanding rather than mathematics with applications to current events. Physics is critical to our understanding of energy, space, global warming, nuclear power, and technology.

Credit Hours: 3

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

PHY 105 - Introductory Physics

Survey of topics in physics for non-science majors covering the fundamentals of mechanics, heat, light, sound, and electricity and magnetism, and their application in today's society.

Credit Hours: 0 To 4

Course Repeatability: Course may not be repeated.

PHY 201 - General Physics I

First semester of a two semester calculus-based introduction to the fundamental principles of physics for the physical and mathematical sciences. Topics include kinematics, Newtonian statics and dynamics, gravitation, oscillations, and mechanical waves.

Credit Hours: 4

Prerequisite or Corequisite Courses: MAT 161
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

PHY 202 - General Physics II

Second semester of a two semester calculus-based introduction to the fundamental principles of physics for the physical and mathematical sciences. Topics include electric and magnetic fields, circuits, Maxwell's equations, electromagnetic waves, and optics.

Credit Hours: 4

Prerequisite or Corequisite Courses: MAT 162
Prerequisite Courses: PHY 201
Course Repeatability: Course may not be repeated.

PHY 220 - The Physics of Music

An introduction to the physical principles underlying music. Study of resonance, the overtone series, and timbre for both acoustic and electronic instruments, as well as psychoacoustics, pitch, and Western and non-Western musical scales. Familiarity with pre-college trigonometry and algebra is presumed.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

PHY 260 - Introduction to Astronomy

Descriptive course in principles, theories, and techniques of astronomy. Occasional night viewings.

Credit Hours: 3

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

Or any BIO, PHY, CHM, EVS, GGY or GLY course numbered 001-499. Three credit hours Watson College of Education of Study Abroad can be substituted for any of the above courses.

Social Studies (15 Credit Hours)

Geography - Minimum of 3 Hours:

GGY 130 - Geosystems

Spatial distribution of environmental elements and processes, including weather and climate, groundwater, soils, rocks, plate tectonics, landforms, and vegetation. Three lecture and two laboratory hours

each week.

Credit Hours: 4

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World, Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

GGY 180 - World Regional Geography

Regional survey of historical, physical, economic, and cultural geography of world regions. Fundamental locational geography as the foundation for a clear world view and an understanding of global interdependence.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

GGY 230 - Introduction to Weather and Climate

Examination of general climatic characteristics through space and time, especially as influenced by controls

upon temperature, wind and moisture distributions, and by planetary, regional and local atmospheric disturbances.

Credit Hours: 3

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

Or any GGY course numbered 001-499. Political Science - Minimum of 3 Hours:

PLS 101 - American National Government

Survey of basic principles, institutions and functions such as federalism, separation of powers, civil liberties and rights, judicial review, public opinion, political parties, elections and interest groups.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and

Behaviors
Course Repeatability: Course may not be repeated.

PLS 111 - Politics and Government in Global Perspective

Survey for non-majors of politics and governmental institutions within and among nation states. Attention will also be given to the role of political theory and ideology in the governance of states.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

PLS 202 - Contemporary American Political Issues

Important political issues and their relationship to the overall American political process. Topics are selected from, but not limited to: education policy; health care policy; federal deficit and debt policy; and minorities and politics.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.
Or any PLS course numbered 001-499. Social Sciences - Minimum of 3 Hours:

AFN 130 - Introduction to Africana Studies

Interdisciplinary exploration of the collective experiences of the African Diaspora, which includes Africans and people of African descent in various continents and countries in addition to the United States.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives, Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.

ANT 206 - Cultural Anthropology

A presentation of the content and historical development of cultural anthropology. Deals with the cultural relativism, ethnocentrism, institutional analysis and cultural integration and shifts in theoretical perspectives by comparing ethnographies of selected cultures.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

ECN 125 - Survey of Economics

An introduction to economics principles for non-business and non-economics majors. Current analysis rather than theoretical analysis is utilized to present and show the relevance of economics principles. (Not open to students who have earned credit for either ECN 221 or ECN 222.)

Credit Hours: 3

University Studies: Approaches and

Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.

HST 103 - Introduction to Global History 1500-1848

The political, economic, cultural, religious, and environmental processes that transformed the world between 1500 and 1848. Examines the Columbian (biological) Exchange, formation of colonial empires, expansion of global religions, and emergence of global trade and slave trade.

Credit Hours: 3

University Studies: Approaches and Perspectives/Historical and Philosophical Approaches, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

PLS 222 - Contemporary International Political Issues

Important international political issues and their impact on the political processes among the nations of the world. Topics are selected from, but not limited to: the role of the United Nations; environmental policy; separatism and nationalism; religious conflict and international order; terrorism; and economic development.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

SOC 105 - Introduction to Sociology

Introduction to the scientific study of human society and social behavior.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 215 - Modern Social Problems

Contemporary social issues and conditions viewed as problematic, such as racism, sexism, crime, poverty, war, alienation, and deviance.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

Or any AFN, ANT, ECN, HST, PLS or SOC course numbered 001-499. Three hours of Watson College of Education Study Abroad can be substituted for any of the above courses.

Special Education (15 Credit Hours)

SED 351 - Learning and Behavioral Disorders in a Diverse Society

Designed to examine the complex variety of learners with behavioral or emotional disorders and learning disabilities. Emphasis on etiology, assessment, diagnosis, characteristics, theories, historical influences, teaching strategies, and current trends. At

least 15 field experience hours required.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

SED 352 - Behavioral Development

Designed to develop an understanding of social/emotional development and effective principles and strategies to promote positive behavioral development. Focus will be on positive behavioral support, functional behavioral assessment, teaching pro-social behaviors and social skills, establishing affective environments, parent training and effective behavior change strategies. At least 15 field experience hours required.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

SED 356 - Severe Disabilities

Study of etiology, definitions, characteristics and programming needs of persons with moderate, severe, and profound intellectual disabilities, low functioning autism, and multiple disabilities. Current approaches to treatment and education of persons with severe disabilities in a variety of settings and across the life span will be included. Students will be expected to develop a basic knowledge of the various aspects of severe disabilities and use that knowledge to make informed decisions about appropriate practices in the education of this population. At least 15 field experience hours required.

Credit Hours: 3

Prerequisite Courses: SED 352.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3
Additional Course Fee Schedule

SED 368 - Teaching Reading to Students with Special Needs

Designed to review, discuss, implement, and modify instructional techniques for teaching reading skills to

students with exceptionalities. Emphasis on conducting assessments, developing materials, applying explicit instructional techniques, and identifying accommodations and modifications appropriate to the needs of students. Focus includes the application of instructional sequences that adhere to the guidelines for teaching phonemic awareness, vocabulary, fluency, comprehension, and the alphabetic principle. The lab for this course is SEDL 368.

Credit Hours: 3

Corequisite Courses: SEDL 368
Prerequisite Courses: EDN 301, SED 372
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SED 369 - Teaching Mathematics to Students with Special Needs

Designed to review, discuss, implement, and modify instructional techniques for teaching mathematics skills to students with exceptionalities. Emphasis on conducting assessments, developing materials, applying explicit instructional techniques, and

identifying accommodations and modifications appropriate to the needs of students. Focus includes the application of instructional sequences that adhere to the guidelines for teaching concepts, rules, and strategies in math. The lab for this course is SEDL 369.

Credit Hours: 3

Corequisite Courses: SEDL 369
Prerequisite Courses: EDN 301, SED 374
Course Repeatability: Course may not be repeated.

SED 372 - Program Development in Special Education

Development of skills in planning educational programs for students with exceptionalities. Includes writing lesson plans, unit plans, individualized educational programs, family service plans, and transition plans; task analysis; legal requirements and roles of the special education teacher. At least 15 field experience hours required.

Credit Hours: 3

Prerequisite Courses: EDN 301, SED 374
University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.
Additional Course Fee Schedule

SEDL 368 - Teaching Reading to Learners with Special Needs Laboratory

Designed to provide students with supervised opportunities to implement and modify explicit reading instruction to meet the needs of students with exceptionalities. Emphasis will be on the application of instructional sequences that adhere to the guidelines for teaching phonemic awareness, vocabulary, fluency, comprehension, and the alphabetic principle. This course is the lab for SED 368.

Credit Hours: 1

Corequisite Courses: SED 368
Prerequisite Courses: EDN 301
University Studies: Explorations Beyond the Classroom, Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

Maximum Repeatable Hours: 1
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

SEDL 369 - Teaching Mathematics to Students with Special Needs Laboratory

Designed to provide students with supervised opportunities to implement and modify explicit mathematics instruction to meet the needs of students with exceptionalities. Emphasis will be on the application of instructional sequences that adhere to the guidelines for teaching concepts, rules, and strategies in math. This course is the lab for SED 369.

Credit Hours: 1

Corequisite Courses: SED 369
Prerequisite Courses: EDN 301
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 1
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

Total Credit Hours: 78-83

English, B.A.

None

Computer Requirement:

To satisfy the computer requirement for the B.A. degree in English a student must successfully complete ENG 204 or ENG 205.

Oral Communication Requirement:

To satisfy the oral communication requirement for the B.A. degree in English a student must successfully complete ENG 495 or ENG 496.

Applied Learning Requirement:

To satisfy the applied-learning requirement for the B.A. degree in English a student must successfully complete one of the following courses: ENG 204, ENG 205, ENG 311, ENG 319, ENG 491, ENG 395, ENG 496, ENG 498, ENG 499; or EDN 402, EDN 408, EDN 409.

Requirements for a Major in English for the B.A. Degree:

An overall average of "C" (2.00) or better is required among courses taken to satisfy the requirements of the major.

Literary and Cultural Studies Option

This option cultivates students' intellectual curiosity and knowledge of various literatures, critical theories and the heterogeneous nature of today's textual productions. Within our courses, students hone their analytical skills through close, critical reading of primary and secondary texts; learn research and technological skills; and sharpen their writing and communication skills.

Requirements are:

9 Hours in Methods and Theory:

It is strongly recommended that ENG 205 is completed within the first 12 credit hours in the major. It is strongly recommended that ENG 286 is completed within the first 18 credit hours in the major. ENG 205 and ENG 286 are prerequisites to ENG 418 . It is strongly

recommended that ENG 418 is completed prior to enrolling in the Senior Seminar in Literary and Cultural Studies.

ENG 205 - Introduction to Literary and Cultural Studies

An immersive introduction to literary and cultural studies, focusing on a single text. Students will learn how to write literary and cultural criticism, with an emphasis on interpretative methods, practical research skills, and discipline-specific conventions of citation.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor.
University Studies: Building Competencies/Writing Intensive, Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

ENG 286 - Critical Theory and Practice

An introduction to representative twentieth- and twentieth-first-century literary theories and practice in applying them to various texts.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201 , or consent of instructor. ENG 205 is strongly recommended.
Additional Restrictions/Requirements: It is strongly recommended that students complete ENG 286 within the first 18 credits of the major.
Course Repeatability: Course may not be repeated

ENG 418 - Research Methods in Literary and Cultural Studies

Preparation and practice for research projects in literary and cultural studies. In-depth study of methodologies, including archival studies, history of the book, biography, interviews, oral history, digital humanities, visual methodologies, and textual analysis.

Credit Hours: 3

Prerequisite Courses: ENG 205.
Course Repeatability: Course may not be repeated.

6 Hours in Genre Studies:

Two courses from the following:

ENG 361 - Studies in Short Fiction

A study of the short story and novella, with emphasis on the structural features and historical development of these genres. Works from one or more periods, writers, and traditions. May be repeated under a different subtitle.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6

ENG 362 - Studies in the Novel

An in-depth exploration of the novel as a genre. Works may be from a variety of periods, writers, and traditions. May be repeated under a different subtitle.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite:ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6

ENG 363 - Studies in Nonfiction

Types of nonfiction prose, including biography, autobiography, memoirs, journals, and various essay forms. Works from a variety of periods, writers, and traditions. May be repeated under a different subtitle.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6

ENG 364 - Studies in Poetry

An in-depth study of poetry with emphasis on form, style, and interpretation. Poems from a variety of periods, writers, and traditions. May be repeated under

a different subtitle.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6

ENG 365 - Studies in Drama

A variety of plays representing tragedy, comedy, and modern forms. Works from a variety of periods, authors, and traditions with some attention to dramatic criticism. May be repeated under a different subtitle.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
Crosslisting: THR 365
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6

6 Hours in Period Studies:

Two courses from the following:

ENG 330 - The Age of Chaucer

A survey of works written in medieval England. Includes selections from The Canterbury Tales and Chaucer's other works, and representative works in such genres as chronicle, biography, epic, romance, dream vision, and drama.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
Course Repeatability: Course may not be repeated.

ENG 331 - The Age of Elizabeth

English literature of the sixteenth and early seventeenth centuries. Includes poetry by Spenser and Shakespeare, plays by Marlowe and Jonson, and prose by More and Sidney.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
Course Repeatability: Course may not be repeated

ENG 334 - The Age of Milton

Emphasis on the works of Milton. May include works by such writers as Donne, Herbert, and Bacon.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
Course Repeatability: Course may not be repeated.

ENG 335 - Restoration and Eighteenth Century Literature

Study of representative texts written between 1660 and 1800, which may include such genres as the early novel, the comedy of manners, and the political satire.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
Course Repeatability: Course may not be repeated.

ENG 336 - British Romanticism

Study of representative texts from the Romantic period, 1780-1830. Emphasis may focus on historical and political contexts and/or development of aesthetic tradition. May include such writers as Wollstonecraft, Blake, Wordsworth, Coleridge, the Shelleys, Austen, and Keats.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
Course Repeatability: Course may not be repeated.

ENG 337 - Victorian Literature

Study of representative texts from the Victorian era, 1830-1900, against the historical and cultural backdrop

of urbanization, industrialism, and the rise of the British Empire. May include writers such as Tennyson, the Brownings, Arnold, the pre-Raphaelites, Dickens, Eliot, and Gaskell.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

ENG 338 - British Modernism

Study of a broad range of writings from the first half of the twentieth century. May include writers such as Conrad, Lawrence, Joyce, Woolf, Yeats, Shaw, and Auden.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

ENG 349 - Early American Literature

Study of major authors and texts in American literature before 1830, focusing on the colonial and early national periods.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
Course Repeatability: Course may not be repeated.

ENG 350 - American Romanticism

Study of the major writers, 1820-1865, whose works fashioned a national literary identity known as the American Renaissance. May include such writers as Emerson, Thoreau, Hawthorne, Poe, Whitman, and Melville.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
Course Repeatability: Course may not be repeated.

ENG 351 - American Realism

Studies of major writers in the period of emerging industrialism and urbanization after the Civil War. May include such writers as Howells, Twain, James, Wharton, Crane, Cather, and Dreiser.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
Course Repeatability: Course may not be repeated.

ENG 352 - American Modernism

Study of a broad range of writings from the first half of the twentieth century. May Include such writers as Eliot, Pound, Stevens, O'Neill, Hemingway, Fitzgerald, Porter, Faulkner, and Hurston.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
Course Repeatability: Course may not be repeated.

ENG 357 - African American Literary Tradition to 1945

In-depth exploration of the African American literary tradition from its beginning to 1945.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
University Studies: Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.

ENG 358 - African American Literary Tradition Since 1945

In-depth exploration of the African American literary tradition since 1945.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
University Studies: Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.

ENG 369 - Twenty-First Century Literature

In-depth exploration of literature in a variety of genres (fiction, poetry, drama, and non-fiction) produced in the twenty-first century. Works may be selected from multiple writers, nations, and traditions.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
Course Repeatability: Course may not be repeated.

ENG 370 - European Literature to 1900

A study of representative writers of Europe prior to 1900, such as Boccaccio, Cervantes, LaFayette, Goethe, and Flaubert.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

ENG 371 - European Literature Since 1900

A study of representative writers of Europe after 1900. May include such writers as Hesse, Brecht, Camus, Sartre, and Lorca.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.

University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

ENG 372 - Postmodern Literature

Study of a broad range of literature in a variety of genres from the postmodern period (1945 to 2001). Possible authors may include John Ashbery, Margaret Atwood, Toni Morrison, Alice Notley, Thomas Pynchon, Vladimir Nabokov, and Salmon Rushdie.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
Course Repeatability: Course may not be repeated.

6 hours in Diverse Literary Cultures:

Two courses from the following:

ENG 340 - Multiculturalism and Literature

Multicultural literatures within and outside of the United States, such as African and African American, Asian

and Asian American, and Latin American and Latino literature; introduction to contemporary perspectives on multiculturalism.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
Course Repeatability: Course may not be repeated.

ENG 341 - Studies in the Global South

Study of literature, cultural practices, politics, and concepts related to the Global South, with an emphasis on Latin America, South Asia, Africa, the Caribbean, and possible reverberations/intersections in the US South.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
University Studies: Approaches and

Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

ENG 342 - Transnational Literatures

Study of a topic in transnational literatures. Courses focus literary and cultural production across multiple geographical locations and historical periods. Courses place a particular emphasis on the circumstances that shape the interrelations between diverse cultural practices.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6

ENG 344 - Latino Voices in American Literature

ENG 204 or ENG 205 recommended but not required. Study of literature that reflects the Latino heritage of

American-born writers or immigrants to the U.S. who write in English. May include such authors as Sandra Cisneros, Richard Rodriguez, Cristina Garcia, Ilan Stevens, Julia Alvarez, and Oscar Hijnelos.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
University Studies: Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.

ENG 356 - Indigenous American Literature

Study of past and present literatures of various Indigenous peoples of the Americas. May include oral traditions, tales, poetry, fiction, drama, and song, as well as more recent engagements with digital and electronic media.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite:

ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
University Studies: Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.

ENG 357 - African American Literary Tradition to 1945

In-depth exploration of the African American literary tradition from its beginning to 1945.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
University Studies: Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.

ENG 358 - African American Literary Tradition Since 1945

In-depth exploration of the African American literary tradition since 1945.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
University Studies: Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.

ENG 359 - World Indigenous Literature and Film

Study of past and present literatures and film produced by various indigneous peoples from outside the United States.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6

ENG 370 - European Literature to 1900

A study of representative writers of Europe prior to 1900, such as Boccaccio, Cervantes, LaFayette, Goethe, and Flaubert.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

ENG 371 - European Literature Since 1900

A study of representative writers of Europe after 1900. May include such writers as Hesse, Brecht, Camus, Sartre, and Lorca.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.

University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

ENG 373 - Women's Literary Traditions

Study of gender issues, themes, and character portrayal in literature by women, as well as consideration of the ways in which women writers both follow and challenge literary conventions. May be repeated under a different subtitle.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
University Studies: Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

ENG 377 - Queer Literature

In-depth exploration of queer identities, experiences, and narrative forms. Will include historical as well as

contemporary narratives, queer history and culture, queer and trans theory, and a variety of genres.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
University Studies: Building Competencies: Writing Intensive
Course Repeatability: Course may not be repeated.

ENG 385 - Multicultural Young Adult Literature

Advanced examination of multicultural literature for adolescents.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
University Studies: Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.

12 Hours in Electives:

Four courses from the following:

ENG 320 - Introduction to Linguistics

An introduction to the study of human language, including such topics as the sounds, structure, and meaning of language; language and social interaction; the ways languages change; and the ways children learn language.

Credit Hours: 3

University Studies: Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

ENG 321 - Structure of the English Language

Study of the grammatical structure of the English language and the process by which we create and comprehend English sentences. Emphasis on recent syntactic models.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

ENG 322 - Language and Meaning

Study of factors that shape meaning in verbal and nonverbal communication. Topics may include the language of persuasion, propaganda, and prejudice; language and culture; conversation and logic; and vernacular languages.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

ENG 323 - History of the English Language

The development of the English language from Old English to the present; changes in sounds, vocabulary, syntax, meaning, and spelling; formation of American dialects.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

ENG 324 - Topics in Linguistics

The study of a selected topic in human language. Content varies from semester to semester. May be repeated under a different subtitle.

Credit Hours: 3

Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6

ENG 325 - Studies in Sociolinguistics

ENG 204 or ENG 205 recommended but not required. An examination of the way language varies according to social characteristics such as age, gender, ethnicity, class, individual style, social networks, and language attitudes.

Credit Hours: 3

Prerequisite Courses: ENG 103 or ENG 200 or ENG 201
Course Repeatability: Course may not be repeated.

ENG 330 - The Age of Chaucer

A survey of works written in medieval England. Includes selections from The Canterbury Tales and Chaucer's other works, and representative works in such genres as chronicle, biography, epic, romance, dream vision, and drama.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
Course Repeatability: Course may not be repeated.

ENG 331 - The Age of Elizabeth

English literature of the sixteenth and early seventeenth centuries. Includes poetry by Spenser and Shakespeare, plays by Marlowe and Jonson, and prose by More and Sidney.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG

205 is strongly recommended.
Course Repeatability: Course may not be repeated

ENG 332 - Shakespeare's Early Plays and Poems

Study of selected plays written before 1600 and selected poems. Includes tragedies, comedies, and histories.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
Course Repeatability: Course may not be repeated.

ENG 333 - Shakespeare's Later Plays

A study of selected plays written after 1600. Includes tragedies, comedies, and histories.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG

205 is strongly recommended.
Course Repeatability: Course may not be repeated.

ENG 334 - The Age of Milton

Emphasis on the works of Milton. May include works by such writers as Donne, Herbert, and Bacon.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
Course Repeatability: Course may not be repeated.

ENG 335 - Restoration and Eighteenth Century Literature

Study of representative texts written between 1660 and 1800, which may include such genres as the early novel, the comedy of manners, and the political satire.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG

205 is strongly recommended.
Course Repeatability: Course may not be repeated.

ENG 336 - British Romanticism

Study of representative texts from the Romantic period, 1780-1830. Emphasis may focus on historical and political contexts and/or development of aesthetic tradition. May include such writers as Wollstonecraft, Blake, Wordsworth, Coleridge, the Shelleys, Austen, and Keats.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
Course Repeatability: Course may not be repeated.

ENG 337 - Victorian Literature

Study of representative texts from the Victorian era, 1830-1900, against the historical and cultural backdrop of urbanization, industrialism, and the rise of the British Empire. May include writers such as Tennyson, the Brownings, Arnold, the pre-Raphaelites, Dickens, Eliot,

and Gaskell.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

ENG 338 - British Modernism

Study of a broad range of writings from the first half of the twentieth century. May include writers such as Conrad, Lawrence, Joyce, Woolf, Yeats, Shaw, and Auden.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

ENG 340 - Multiculturalism and Literature

Multicultural literatures within and outside of the United States, such as African and African American, Asian and Asian American, and Latin American and Latino literature; introduction to contemporary perspectives on multiculturalism.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
Course Repeatability: Course may not be repeated.

ENG 341 - Studies in the Global South

Study of literature, cultural practices, politics, and concepts related to the Global South, with an emphasis on Latin America, South Asia, Africa, the Caribbean, and possible reverberations/intersections in the US South.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG

205 is strongly recommended.
University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

ENG 342 - Transnational Literatures

Study of a topic in transnational literatures. Courses focus literary and cultural production across multiple geographical locations and historical periods. Courses place a particular emphasis on the circumstances that shape the interrelations between diverse cultural practices.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6

ENG 344 - Latino Voices in American Literature

ENG 204 or ENG 205 recommended but not required. Study of literature that reflects the Latino heritage of American-born writers or immigrants to the U.S. who write in English. May include such authors as Sandra Cisneros, Richard Rodriguez, Cristina Garcia, Ilan Stevens, Julia Alvarez, and Oscar Hijnelos.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
University Studies: Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.

ENG 349 - Early American Literature

Study of major authors and texts in American literature before 1830, focusing on the colonial and early national periods.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite:

ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
Course Repeatability: Course may not be repeated.

ENG 350 - American Romanticism

Study of the major writers, 1820-1865, whose works fashioned a national literary identity known as the American Renaissance. May include such writers as Emerson, Thoreau, Hawthorne, Poe, Whitman, and Melville.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
Course Repeatability: Course may not be repeated.

ENG 351 - American Realism

Studies of major writers in the period of emerging industrialism and urbanization after the Civil War. May include such writers as Howells, Twain, James, Wharton, Crane, Cather, and Dreiser.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
Course Repeatability: Course may not be repeated.

ENG 352 - American Modernism

Study of a broad range of writings from the first half of the twentieth century. May Include such writers as Eliot, Pound, Stevens, O'Neill, Hemingway, Fitzgerald, Porter, Faulkner, and Hurston.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
Course Repeatability: Course may not be repeated.

ENG 356 - Indigenous American Literature

Study of past and present literatures of various Indigenous peoples of the Americas. May include oral traditions, tales, poetry, fiction, drama, and song, as

well as more recent engagements with digital and electronic media.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
University Studies: Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.

ENG 357 - African American Literary Tradition to 1945

In-depth exploration of the African American literary tradition from its beginning to 1945.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
University Studies: Approaches and

Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.

ENG 358 - African American Literary Tradition Since 1945

In-depth exploration of the African American literary tradition since 1945.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
University Studies: Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.

ENG 359 - World Indigenous Literature and Film

Study of past and present literatures and film produced by various indigneous peoples from outside the United States.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6

ENG 361 - Studies in Short Fiction

A study of the short story and novella, with emphasis on the structural features and historical development of these genres. Works from one or more periods, writers, and traditions. May be repeated under a different subtitle.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6

ENG 362 - Studies in the Novel

An in-depth exploration of the novel as a genre. Works may be from a variety of periods, writers, and traditions. May be repeated under a different subtitle.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite:ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6

ENG 363 - Studies in Nonfiction

Types of nonfiction prose, including biography, autobiography, memoirs, journals, and various essay forms. Works from a variety of periods, writers, and traditions. May be repeated under a different subtitle.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.

Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6

ENG 364 - Studies in Poetry

An in-depth study of poetry with emphasis on form, style, and interpretation. Poems from a variety of periods, writers, and traditions. May be repeated under a different subtitle.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6

ENG 365 - Studies in Drama

A variety of plays representing tragedy, comedy, and modern forms. Works from a variety of periods, authors, and traditions with some attention to dramatic criticism. May be repeated under a different subtitle.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
Crosslisting: THR 365
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6

ENG 369 - Twenty-First Century Literature

In-depth exploration of literature in a variety of genres (fiction, poetry, drama, and non-fiction) produced in the twenty-first century. Works may be selected from multiple writers, nations, and traditions.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
Course Repeatability: Course may not be repeated.

ENG 370 - European Literature to 1900

A study of representative writers of Europe prior to 1900, such as Boccaccio, Cervantes, LaFayette,

Goethe, and Flaubert.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

ENG 371 - European Literature Since 1900

A study of representative writers of Europe after 1900. May include such writers as Hesse, Brecht, Camus, Sartre, and Lorca.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

ENG 372 - Postmodern Literature

Study of a broad range of literature in a variety of genres from the postmodern period (1945 to 2001). Possible authors may include John Ashbery, Margaret Atwood, Toni Morrison, Alice Notley, Thomas Pynchon, Vladimir Nabokov, and Salmon Rushdie.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
Course Repeatability: Course may not be repeated.

ENG 373 - Women's Literary Traditions

Study of gender issues, themes, and character portrayal in literature by women, as well as consideration of the ways in which women writers both follow and challenge literary conventions. May be repeated under a different subtitle.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite:

ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
University Studies: Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

ENG 374 - Twentieth-Century American and British Poetry

Study of major authors, texts, forms, styles, and movements in twentieth-century American and British poetry.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
Course Repeatability: Course may not be repeated.

ENG 376 - Environmental Literature

Study of a broad range of literature from multiple periods and genres, examining how humans define and engage the environment in terms of aesthetics and

imagination, politics and policy, culture and identity, religion and science, and conservation and sustainability.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
University Studies: Building Competencies: Writing Intensive
Course Repeatability: Course may not be repeated.

ENG 377 - Queer Literature

In-depth exploration of queer identities, experiences, and narrative forms. Will include historical as well as contemporary narratives, queer history and culture, queer and trans theory, and a variety of genres.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.

University Studies: Building Competencies: Writing Intensive
Course Repeatability: Course may not be repeated.

ENG 378 - Film and Literature

Study of the theory and practice of adapting literature into film as well as the formal, historical, social, and technological relationships between writing and filmmaking.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
University Studies: Building Competencies: Writing Intensive
Course Repeatability: Course may not be repeated.

ENG 379 - Comics and Graphic Narratives

Study of the medium of comics, with emphasis on formal, historical, and theoretical approaches to understanding and interpreting comic books, cartoons, and other types of graphic narrative.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
University Studies: Building Competencies: Writing Intensive
Course Repeatability: Course may not be repeated.

ENG 381 - Literature for Young Adults

Advanced examination of literature for adolescents. Intended for anyone interested in adolescent literature and adolescent culture as well as for future teachers.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
Course Repeatability: Course may not be repeated.

ENG 382 - Ways of Teaching Literature

A survey of written, oral, visual, and dramatic responses to literary texts. Response-based approaches to the study of literature appropriate for middle and secondary teaching.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
Course Repeatability: Course may not be repeated.

ENG 383 - Classics Reconsidered

Study of classic works of poetry, fiction, and drama commonly taught in high school English classes. Includes an examination of what constitutes a literary 'classic,' who labels classics, and how the social status of certain literary works influences what is commonly taught in high school English classes. Especially recommended for prospective teachers.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite

ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
Course Repeatability: Course may not be repeated.

ENG 385 - Multicultural Young Adult Literature

Advanced examination of multicultural literature for adolescents.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
University Studies: Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.

ENG 390 - Studies in Literature

A selected literary theme, movement, period, influence, or genre. May be repeated under a different subtitle.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite:

ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

ENG 391 - Science Fiction and Fantasy

An in-depth exploration of the science fiction and fantasy genres. Works may be selected from a variety of writers, periods, nations, and traditions.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
University Studies: Building Competencies: Writing Intensive
Course Repeatability: Course may not be repeated.

ENG 392 - Protest Literature

An in-depth exploration of protest literature as a form of cultural resistance and agent of sociopolitical change. Works may be selected from a variety of writers, periods, nations, and traditions.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
University Studies: Building Competencies: Writing Intensive
Course Repeatability: Course may not be repeated.

ENG 395 - Crime Literature

An in-depth exploration of crime literature; may include hardboiled/detective fiction, noir, true crime, and police procedurals from a variety of writers, periods, nations, and traditions.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
University Studies: Building Competencies: Writing Intensive
Course Repeatability: Course may not be repeated.

ENG 397 - Sports Literature

An in-depth exploration of sports literature in a variety of genres. Works may be selected from multiple writers, periods, nations, and traditions.

Credit Hours: 3

Prerequisite Courses: ENG 103 or ENG 201, or consent of instructor. ENG 205 recommended but not required.
University Studies: Building Competencies: Writing Intensive
Course Repeatability: Course may not be repeated.

ENG 398 - Religion, Spirituality, and Literature

An in-depth exploration of religious and spiritual literature in a variety of genres (poetry, fiction, drama, nonfiction, and sacred text). Works will be selected from multiple writers, periods, nations, and traditions.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG

205 is strongly recommended.
University Studies: Building Competencies: Writing Intensive
Course Repeatability: Course may not be repeated.

ENG 490 - Topics in Literature

The study of a selected literary theme, movement, period, influence, or genre. May be repeated under a different subtitle.

Credit Hours: 3

Additional Restrictions/Requirements: Nine hours of literature courses, at least three hours at the 300-400 level, or consent of instructor.
Crosslisting: ENG 509
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

ENG 491 - Directed Individual Study

Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Study section in this catalogue.

Credit Hours: 1 To 3

Additional Restrictions/Requirements: Junior or senior standing; nine hours of literature or writing courses (depending on project focus), at least three of which are at the 300-400 level; overall GPA of at least 2.00; and consent of instructor, department chair, and dean.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

ENG 495 - Senior Seminar in Literary and Cultural Studies

Intensive opportunity for research experience under faculty supervision of an author or topic in literature. Emphasis on individualized work, which may include oral reports, a longer research project, and appropriate bibliographic assignments. Required of English majors in the Literature Option; fulfills seminar requirements for majors in the Teacher Licensure Option. May be repeated under a different subtitle.

Credit Hours: 3

Prerequisite Courses: ENG 205.
Additional Restrictions/Requirements: Prerequisite course, junior or senior standing, and three additional hours in ENG literature or language at the 300-400 level.
University Studies: Building Competencies/Writing Intensive, Critical Reasoning
Course Repeatability: Course may be repeated
Maximum Repeatable Hours: 6 **Repeat Limit:** 1

ENG 396 - Horror Literature

An in-depth exploration of the horror genre in literature, film, and criticism. Works may be selected from a variety of writers, periods, nations, and traditions.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor.ENG 205 is strongly recommended.
University Studies: Building Competencies: Writing Intensive
Course Repeatability: Course may not be repeated.

3 hours in Senior Seminar in Literary and Cultural Studies:

ENG 495 - Senior Seminar in Literary and Cultural Studies

Intensive opportunity for research experience under faculty supervision of an author or topic in literature. Emphasis on individualized work, which may include oral reports, a longer research project, and appropriate bibliographic assignments. Required of English majors in the Literature Option; fulfills seminar requirements for majors in the Teacher Licensure Option. May be repeated under a different subtitle.

Credit Hours: 3

Prerequisite Courses: ENG 205.
Additional Restrictions/Requirements: Prerequisite course, junior or senior standing, and three additional hours in ENG literature or language at the 300-400 level.
University Studies: Building Competencies/Writing Intensive, Critical Reasoning

Course Repeatability: Course may be repeated
Maximum Repeatable Hours: 6 **Repeat Limit:** 1

Additional Information:

Students in the "Literary and Cultural Studies" option should complete only TWO courses (6 credits) at the 200-level: ENG 205 and ENG 286. The remaining 36 credit hours are to be completed in courses at the 300-level and 400-level. Genre Studies courses may be repeated only ONCE if the subject matter is different. Any repeated genre course will count in the "Electives" category. No courses may be double-counted across categories.

Professional Writing Option

This option prepares students to analyze and address a variety of writing situations, to read texts critically, and to write in an effective, informed, and ethical manner in a range of organizational contexts. Many courses incorporate technologies for writing, research, and communication.

Requirements are:

ENG 204 - Introduction to Professional Writing

An introductory survey of concepts in professional writing, including audience analysis, research methods, visual thinking, and composing processes. Includes a service-learning component.

Credit Hours: 3

University Studies: Building Competencies/Writing Intensive, Building Competencies/Information Literacy, Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.

ENG 314 - Digital Composing

Study of the intersection between writing and technology, including Web page creation, documentation, usability, desktop publishing, and the use of graphics with text.

Credit Hours: 3

Prerequisite Courses: ENG 204 or ENG 205 or permission of instructor.
University Studies: Building Competencies/Writing

Intensive
Course Repeatability: Course may not be repeated.

ENG 319 - Document Design

Study of effective design of print and electronic documents. Emphasis on browsing patterns, usability, the interaction of text and graphics, and visual rhetoric. Includes a service-learning component.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 204, or consent of instructor.
University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

ENG 496 - Senior Seminar in Writing/Rhetoric

Intensive study of a theme, issue, or genre in writing/rhetoric. Provides significant student engagement. Required of English majors in Professional Writing Option; fulfills seminar requirement for Teacher Licensure.

Credit Hours: 3

Prerequisite Courses: ENG 204 or ENG 205
Additional Restrictions/Requirements: Prerequisite course, junior or senior standing, or consent of instructor.
University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

3 hours in Editing:

One course from the following:

ENG 309 - Technical Editing

Focus on the fundamentals of effective writing, organization, and design in order to develop the language and proficiencies necessary to edit print and digital texts used in a range of organizations.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 204, or consent of instructor.
Additional Restrictions/Requirements: Prerequisite

course or consent of instructor.
University Studies: Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

ENG 310 - Editing for Journalism and Mass Media

Instruction in revising, editing and copy editing. Techniques and strategies for getting prose ready for publication. Extensive practice in editing.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 204, or consent of instructor.
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
University Studies: Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

3 hours in Rhetorical Theory:

One course from the following:

ENG 388 - Rhetorical Theory to 1900

Survey of major theories in rhetoric as they apply to written discourse from classical era to the end of the nineteenth century.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 204 or ENG 205, or consent of instructor.
University Studies: Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

ENG 389 - Rhetorical Theory since 1900

Survey of major theories in rhetoric as they apply to written discourse from the start of the twentieth century to the present.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 204 or ENG 205, or consent of instructor.
University Studies: Common Requirements/Critical

Reasoning
Course Repeatability: Course may not be repeated.

6 hours in Approaches to the Discipline:

Two courses from the following:

ENG 303 - Reading and Writing Arguments

Instruction in rhetorical principles and their use in both analyzing and constructing persuasive texts.

Credit Hours: 3

University Studies: Building Competencies/Writing Intensive, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

ENG 316 - Analyzing Style

Analysis of written style, emphasizing rhetorical principles and textual features. Application of stylistic principles in the creation of written texts.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

ENG 326 - Writing with Artificial Intelligence

Introduction to the intersection of Artificial Intelligence (AI), writing, and content operations within the field of professional writing. Explores the fundamentals of AI and its application in automating and optimizing the content creation and distribution process.

University Studies: Building Competencies/Writing Intensive, Critical Reasoning
Course Repeatability: Course may not be repeated.

ENG 417 - Research Methods in Professional Writing

Preparation and practice for applied research projects in the field of professional writing. Focus on both qualitative and quantitative methodologies including rhetorical approaches, ethnomethodologies, discourse analysis, network analysis, and usability.

Credit Hours: 3

University Studies: Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

3 hours in Writing in Context:

One course from the following:

ENG 304 - Writing for Teachers

Introduction to theories of composing, rhetoric, assessment, and literacy pedagogy for prospective teachers. Emphasis on analyzing student texts and engaging in various writing projects appropriate for professional development.

Credit Hours: 3

Prerequisite Courses: ENG 103 or ENG 200 or ENG 201
Course Repeatability: Course may not be repeated.

ENG 307 - Composition Theory

Explores the most current ideas about writers and writing by considering various theoretical lenses in the field. Examines topics such as the multiple stages of

compositing, genre conventions, and the role of revision.

Credit Hours: 3

Prerequisite Courses: ENG 103 or ENG 200 or ENG 201
Course Repeatability: Course may not be repeated.

ENG 312 - Writing Strategies for Business and Innovation

Advanced exploration of research and writing skills needed to plan and design texts for diverse audiences within organizational contexts. Projects include business plans, proposals, reports, and other genres developed using a variety of media. Includes instruction in graphically representing data and using social media for research and/or outreach.

Credit Hours: 3

University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

ENG 313 - Writing About Science, Medicine, and the Environment

Exploration of scientific discourse focusing on analyzing scientific texts and rewriting scientific and technical information for a variety of audiences. Includes the development of relevant research skills.

Credit Hours: 3

University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

ENG 318 - Writing and Activism

Study of visual and textual elements of documents generated in the service of activist causes. Themes may include propaganda, grassroots and electronic activism, and the negotiation of power.

Credit Hours: 3

University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

ENG 412 - Writing in Intercultural and Global Contexts

Develops competency in writing within intercultural and global contexts. Focuses on developing critical perspective about cultural concepts and theories in the context of globalization through broader frameworks of discourse, commodities, space, and labor in everyday life.

Credit Hours: 3

University Studies: Building Competencies/Writing Intensive, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

3 hours in Professional Genres:

One course from the following:

ENG 305 - Professional Review Writing

Critical and analytical writing intended for publication in newspapers, magazines, and journals.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives, Building Competencies/Writing Intensive, Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.

ENG 306 - Essay Writing

Instruction in the genre and craft of the essay, with emphasis on the use of close observation, research, and reflection.

Credit Hours: 3

University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

ENG 308 - Grant and Proposal Writing

Study of grant and proposal writing for use in non-profit organizations, educational settings, and businesses. Emphasis on research methods, planning, developing funding relationships, and writing collaboratively.

Includes a service-learning component.

Credit Hours: 3

University Studies: Building Competencies/Writing Intensive, Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.

ENG 311 - Professional Magazine Writing

Writing of nonfiction prose intended for publication in newspapers, magazines, and journals.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 202, or consent of instructor.
Course Repeatability: Course may not be repeated.

ENG 404 - Advanced Professional Writing

Focus on the development of research, analysis, composition, and design strategies needed to complete complex writing projects within organizational contexts and create effective texts for a range of audiences. Topics may include user experience design, search

engine optimization, and project management.

Credit Hours: 3

Prerequisite Courses: ENG 314 or ENG 319
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6 **Repeat Limit:** 1

ENG 414 - Writing for the Web

Explores visual rhetoric and new media theories to inform the analysis and production of texts in Web formats. Topics may include writing content for existing Web outlets, markup conventions, search engine optimization, and modification of Content Managment System (CMS) and html/css templates.

Credit Hours: 3

Prerequisite Courses: ENG 314 or ENG 319
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

9 additional hours of ENG writing courses:

Three courses from the following:

ENG 202 - Introduction to Journalism

Introduction to news values, style, and writing. Focus is on writing news leads and news stories under deadline pressure. Also included: note taking, interviewing, and an introduction to feature writing.

Credit Hours: 3

Prerequisite Courses: ENG 103 or ENG 200 or ENG 201
Additional Restrictions/Requirements: Prerequisite courses or consent of instructor.
University Studies: Building Competencies/Writing Intensive, Building Competencies/Information Literacy, Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.

ENG 302 - Journalism Workshop

Continuation of ENG 202. Focus is on gathering news from various community and campus sources and writing in news style under deadline pressure. Also

included: some attention to feature and editorial writing.

Credit Hours: 3

Prerequisite Courses: ENG 202
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.

ENG 303 - Reading and Writing Arguments

Instruction in rhetorical principles and their use in both analyzing and constructing persuasive texts.

Credit Hours: 3

University Studies: Building Competencies/Writing Intensive, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

ENG 304 - Writing for Teachers

Introduction to theories of composing, rhetoric, assessment, and literacy pedagogy for prospective

teachers. Emphasis on analyzing student texts and engaging in various writing projects appropriate for professional development.

Credit Hours: 3

Prerequisite Courses: ENG 103 or ENG 200 or ENG 201
Course Repeatability: Course may not be repeated.

ENG 305 - Professional Review Writing

Critical and analytical writing intended for publication in newspapers, magazines, and journals.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives, Building Competencies/Writing Intensive, Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.

ENG 306 - Essay Writing

Instruction in the genre and craft of the essay, with emphasis on the use of close observation, research, and reflection.

Credit Hours: 3

University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

ENG 307 - Composition Theory

Explores the most current ideas about writers and writing by considering various theoretical lenses in the field. Examines topics such as the multiple stages of compositing, genre conventions, and the role of revision.

Credit Hours: 3

Prerequisite Courses: ENG 103 or ENG 200 or ENG 201
Course Repeatability: Course may not be repeated.

ENG 308 - Grant and Proposal Writing

Study of grant and proposal writing for use in non-profit organizations, educational settings, and businesses. Emphasis on research methods, planning, developing funding relationships, and writing collaboratively. Includes a service-learning component.

Credit Hours: 3

University Studies: Building Competencies/Writing Intensive, Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.

ENG 309 - Technical Editing

Focus on the fundamentals of effective writing, organization, and design in order to develop the language and proficiencies necessary to edit print and digital texts used in a range of organizations.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 204, or consent of instructor.
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.

University Studies: Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

ENG 310 - Editing for Journalism and Mass Media

Instruction in revising, editing and copy editing. Techniques and strategies for getting prose ready for publication. Extensive practice in editing.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 204, or consent of instructor.
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
University Studies: Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

ENG 311 - Professional Magazine Writing

Writing of nonfiction prose intended for publication in newspapers, magazines, and journals.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 202, or consent of instructor.
Course Repeatability: Course may not be repeated.

ENG 312 - Writing Strategies for Business and Innovation

Advanced exploration of research and writing skills needed to plan and design texts for diverse audiences within organizational contexts. Projects include business plans, proposals, reports, and other genres developed using a variety of media. Includes instruction in graphically representing data and using social media for research and/or outreach.

Credit Hours: 3

University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

ENG 313 - Writing About Science, Medicine, and the Environment

Exploration of scientific discourse focusing on analyzing scientific texts and rewriting scientific and technical information for a variety of audiences. Includes the development of relevant research skills.

Credit Hours: 3

University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

ENG 314 - Digital Composing

Study of the intersection between writing and technology, including Web page creation, documentation, usability, desktop publishing, and the use of graphics with text.

Credit Hours: 3

Prerequisite Courses: ENG 204 or ENG 205 or permission of instructor.
University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

ENG 315 - Topics in Writing and Rhetoric

A focused study of a theme, issue, or genre in writing or rhetoric.

Credit Hours: 3

University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6 **Repeat Limit:** 1

ENG 316 - Analyzing Style

Analysis of written style, emphasizing rhetorical principles and textual features. Application of stylistic principles in the creation of written texts.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

ENG 317 - Writing about Film

Instruction and practice in the techniques of writing essays about film. Writing assignments might include

reviews, features, scholarly articles or theoretical essays.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite FST 205; or prerequisite: ENG 204, or consent of instructor.
University Studies: Building Competencies/Writing Intensive
Crosslisting: FST 317
Course Repeatability: Course may not be repeated.

ENG 318 - Writing and Activism

Study of visual and textual elements of documents generated in the service of activist causes. Themes may include propaganda, grassroots and electronic activism, and the negotiation of power.

Credit Hours: 3

University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

ENG 319 - Document Design

Study of effective design of print and electronic documents. Emphasis on browsing patterns, usability, the interaction of text and graphics, and visual rhetoric. Includes a service-learning component.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 204, or consent of instructor.
University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

ENG 388 - Rhetorical Theory to 1900

Survey of major theories in rhetoric as they apply to written discourse from classical era to the end of the nineteenth century.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 204 or ENG 205, or consent of instructor.
University Studies: Common Requirements/Critical

Reasoning
Course Repeatability: Course may not be repeated.

ENG 389 - Rhetorical Theory since 1900

Survey of major theories in rhetoric as they apply to written discourse from the start of the twentieth century to the present.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 204 or ENG 205, or consent of instructor.
University Studies: Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

ENG 393 - Writing in the Scientific Disciplines

Rigorous introduction to writing for academic science contexts. Critically examines the current state of academic science writing and explores the multiple practical strategies scientists use to communicate in professional settings.

Credit Hours: 3

University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

ENG 404 - Advanced Professional Writing

Focus on the development of research, analysis, composition, and design strategies needed to complete complex writing projects within organizational contexts and create effective texts for a range of audiences. Topics may include user experience design, search engine optimization, and project management.

Credit Hours: 3

Prerequisite Courses: ENG 314 or ENG 319
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6 **Repeat Limit:** 1

ENG 412 - Writing in Intercultural and Global Contexts

Develops competency in writing within intercultural and global contexts. Focuses on developing critical perspective about cultural concepts and theories in the context of globalization through broader frameworks of discourse, commodities, space, and labor in everyday life.

Credit Hours: 3

University Studies: Building Competencies/Writing Intensive, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

ENG 414 - Writing for the Web

Explores visual rhetoric and new media theories to inform the analysis and production of texts in Web formats. Topics may include writing content for existing Web outlets, markup conventions, search engine optimization, and modification of Content Managment System (CMS) and html/css templates.

Credit Hours: 3

Prerequisite Courses: ENG 314 or ENG 319
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

ENG 417 - Research Methods in Professional Writing

Preparation and practice for applied research projects in the field of professional writing. Focus on both qualitative and quantitative methodologies including rhetorical approaches, ethnomethodologies, discourse analysis, network analysis, and usability.

Credit Hours: 3

University Studies: Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

ENG 491 - Directed Individual Study

Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Study section in this catalogue.

Credit Hours: 1 To 3

Additional Restrictions/Requirements: Junior or senior standing; nine hours of literature or writing courses (depending on project focus), at least three of which are at the 300-400 level; overall GPA of at least 2.00; and consent of instructor, department chair, and dean.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

ENG 498 - Internship in Writing

Minimum GPA applies. Academic training and practical writing experience through work in a private company or public agency. Faculty supervision and evaluation of all study and on-site activity.

Credit Hours: 3

Additional Restrictions/Requirements: Junior or senior standing and consent of the internship coordinator.
University Studies: Explorations Beyond the

Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

3 hours in the English language:

One course from the following:

ENG 320 - Introduction to Linguistics

An introduction to the study of human language, including such topics as the sounds, structure, and meaning of language; language and social interaction; the ways languages change; and the ways children learn language.

Credit Hours: 3

University Studies: Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

ENG 321 - Structure of the English Language

Study of the grammatical structure of the English language and the process by which we create and comprehend English sentences. Emphasis on recent syntactic models.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

ENG 322 - Language and Meaning

Study of factors that shape meaning in verbal and nonverbal communication. Topics may include the language of persuasion, propaganda, and prejudice; language and culture; conversation and logic; and vernacular languages.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

ENG 323 - History of the English Language

The development of the English language from Old English to the present; changes in sounds, vocabulary, syntax, meaning, and spelling; formation of American

dialects.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

ENG 324 - Topics in Linguistics

The study of a selected topic in human language. Content varies from semester to semester. May be repeated under a different subtitle.

Credit Hours: 3

Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6

ENG 325 - Studies in Sociolinguistics

ENG 204 or ENG 205 recommended but not required. An examination of the way language varies according to social characteristics such as age, gender, ethnicity, class, individual style, social networks, and language attitudes.

Credit Hours: 3

Prerequisite Courses: ENG 103 or ENG 200 or ENG 201
Course Repeatability: Course may not be repeated.

Additional Information:

No more than 12 hours may be at the 200 level.

Teacher Licensure Option

This option prepares students to teach English at the secondary level and to make contributions as active professionals.

Requirements for the Teacher Education Program:

ENG 205 - Introduction to Literary and Cultural Studies

An immersive introduction to literary and cultural studies, focusing on a single text. Students will learn how to write literary and cultural criticism, with an emphasis on interpretative methods, practical research skills, and discipline-specific conventions of citation.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor.
University Studies: Building Competencies/Writing Intensive, Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

ENG 304 - Writing for Teachers

Introduction to theories of composing, rhetoric, assessment, and literacy pedagogy for prospective teachers. Emphasis on analyzing student texts and engaging in various writing projects appropriate for professional development.

Credit Hours: 3

Prerequisite Courses: ENG 103 or ENG 200 or ENG 201
Course Repeatability: Course may not be repeated.

ENG 314 - Digital Composing

Study of the intersection between writing and technology, including Web page creation, documentation, usability, desktop publishing, and the

use of graphics with text.

Credit Hours: 3

Prerequisite Courses: ENG 204 or ENG 205 or permission of instructor.
University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

ENG 332 - Shakespeare's Early Plays and Poems

Study of selected plays written before 1600 and selected poems. Includes tragedies, comedies, and histories.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
Course Repeatability: Course may not be repeated.

ENG 333 - Shakespeare's Later Plays

A study of selected plays written after 1600. Includes tragedies, comedies, and histories.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
Course Repeatability: Course may not be repeated.

ENG 211 - British Literature to 1800

A survey of representative British text from the Anglo-Saxon period through the eighteenth century. This course examines selections from an analytical and historical perspective.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives, Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

ENG 212 - British Literature Since 1800

A survey of representative British texts of the nineteenth and twentieth centuries. This course examines selections from an analytical and historical perspective.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives
Course Repeatability: Course may not be repeated.

ENG 223 - American Literature to 1870

A survey of representative texts from colonial and early America and of the Romantic era.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives, Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

ENG 224 - American Literature Since 1870

A survey of representative texts from the eras of American Realism and the twentieth century.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives, Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

ENG 225 - World Literature to 1600

A survey of representative works of world literature (excluding British and American writers), including both Western and non-Western works. Work from ancient times to approximately 1600.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives, Approaches and Perspectives/Living in a Global Society, Building Competencies/Writing Intensive, Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.

ENG 226 - World Literature Since 1600

A survey of representative works of world literature (excluding British and American writers), including both Western and non-Western works. 1600 to the present.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives, Approaches and Perspectives/Living in a Global Society, Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

ENG 381 - Literature for Young Adults

Advanced examination of literature for adolescents. Intended for anyone interested in adolescent literature and adolescent culture as well as for future teachers.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG

205 is strongly recommended.
Course Repeatability: Course may not be repeated.

ENG 382 - Ways of Teaching Literature

A survey of written, oral, visual, and dramatic responses to literary texts. Response-based approaches to the study of literature appropriate for middle and secondary teaching.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
Course Repeatability: Course may not be repeated.

ENG 383 - Classics Reconsidered

Study of classic works of poetry, fiction, and drama commonly taught in high school English classes. Includes an examination of what constitutes a literary 'classic,' who labels classics, and how the social status of certain literary works influences what is commonly taught in high school English classes. Especially recommended for prospective teachers.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
Course Repeatability: Course may not be repeated.

3 hours in Diverse Literary Cultures:

One course from the following:

ENG 340 - Multiculturalism and Literature

Multicultural literatures within and outside of the United States, such as African and African American, Asian and Asian American, and Latin American and Latino literature; introduction to contemporary perspectives on multiculturalism.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
Course Repeatability: Course may not be repeated.

ENG 341 - Studies in the Global South

Study of literature, cultural practices, politics, and concepts related to the Global South, with an emphasis on Latin America, South Asia, Africa, the Caribbean, and possible reverberations/intersections in the US South.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

ENG 342 - Transnational Literatures

Study of a topic in transnational literatures. Courses focus literary and cultural production across multiple geographical locations and historical periods. Courses place a particular emphasis on the circumstances that shape the interrelations between diverse cultural practices.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6

ENG 344 - Latino Voices in American Literature

ENG 204 or ENG 205 recommended but not required. Study of literature that reflects the Latino heritage of American-born writers or immigrants to the U.S. who write in English. May include such authors as Sandra Cisneros, Richard Rodriguez, Cristina Garcia, Ilan Stevens, Julia Alvarez, and Oscar Hijnelos.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
University Studies: Approaches and

Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.

ENG 356 - Indigenous American Literature

Study of past and present literatures of various Indigenous peoples of the Americas. May include oral traditions, tales, poetry, fiction, drama, and song, as well as more recent engagements with digital and electronic media.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
University Studies: Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.

ENG 357 - African American Literary Tradition to 1945

In-depth exploration of the African American literary tradition from its beginning to 1945.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
University Studies: Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.

ENG 358 - African American Literary Tradition Since 1945

In-depth exploration of the African American literary tradition since 1945.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
University Studies: Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.

ENG 359 - World Indigenous Literature and Film

Study of past and present literatures and film produced by various indigneous peoples from outside the United States.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6

ENG 370 - European Literature to 1900

A study of representative writers of Europe prior to 1900, such as Boccaccio, Cervantes, LaFayette, Goethe, and Flaubert.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.

University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

ENG 371 - European Literature Since 1900

A study of representative writers of Europe after 1900. May include such writers as Hesse, Brecht, Camus, Sartre, and Lorca.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

ENG 373 - Women's Literary Traditions

Study of gender issues, themes, and character portrayal in literature by women, as well as consideration of the ways in which women writers both follow and challenge literary conventions. May be repeated under a different subtitle.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
University Studies: Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

ENG 377 - Queer Literature

In-depth exploration of queer identities, experiences, and narrative forms. Will include historical as well as contemporary narratives, queer history and culture, queer and trans theory, and a variety of genres.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
University Studies: Building Competencies: Writing

Intensive
Course Repeatability: Course may not be repeated.

ENG 385 - Multicultural Young Adult Literature

Advanced examination of multicultural literature for adolescents.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
University Studies: Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.

3 hour in the English language:

One course from the following:

ENG 320 - Introduction to Linguistics

An introduction to the study of human language, including such topics as the sounds, structure, and meaning of language; language and social interaction; the ways languages change; and the ways children

learn language.

Credit Hours: 3

University Studies: Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

ENG 321 - Structure of the English Language

Study of the grammatical structure of the English language and the process by which we create and comprehend English sentences. Emphasis on recent syntactic models.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

ENG 322 - Language and Meaning

Study of factors that shape meaning in verbal and nonverbal communication. Topics may include the language of persuasion, propaganda, and prejudice; language and culture; conversation and logic; and vernacular languages.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

ENG 323 - History of the English Language

The development of the English language from Old English to the present; changes in sounds, vocabulary, syntax, meaning, and spelling; formation of American dialects.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

ENG 324 - Topics in Linguistics

The study of a selected topic in human language. Content varies from semester to semester. May be repeated under a different subtitle.

Credit Hours: 3

Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6

ENG 325 - Studies in Sociolinguistics

ENG 204 or ENG 205 recommended but not required. An examination of the way language varies according to social characteristics such as age, gender, ethnicity, class, individual style, social networks, and language attitudes.

Credit Hours: 3

Prerequisite Courses: ENG 103 or ENG 200 or ENG 201
Course Repeatability: Course may not be repeated.

Six additional hours of English electives at the 300 or 400 level:

ENG 495 - Senior Seminar in Literary and Cultural Studies

Intensive opportunity for research experience under faculty supervision of an author or topic in literature. Emphasis on individualized work, which may include oral reports, a longer research project, and appropriate bibliographic assignments. Required of English majors in the Literature Option; fulfills seminar requirements for

majors in the Teacher Licensure Option. May be repeated under a different subtitle.

Credit Hours: 3

Prerequisite Courses: ENG 205.
Additional Restrictions/Requirements: Prerequisite course, junior or senior standing, and three additional hours in ENG literature or language at the 300-400 level.
University Studies: Building Competencies/Writing Intensive, Critical Reasoning
Course Repeatability: Course may be repeated
Maximum Repeatable Hours: 6 **Repeat Limit:** 1

ENG 496 - Senior Seminar in Writing/Rhetoric

Intensive study of a theme, issue, or genre in writing/rhetoric. Provides significant student engagement. Required of English majors in Professional Writing Option; fulfills seminar requirement for Teacher Licensure.

Credit Hours: 3

Prerequisite Courses: ENG 204 or ENG 205
Additional Restrictions/Requirements: Prerequisite course, junior or senior standing, or consent of instructor.
University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

Additional Information:

No more than 12 hours may be at the 200 level. Students must take at least one course from the early survey courses (ENG 211, ENG 223 and ENG 225) and at least one course from the later survey courses (ENG 212, ENG 224 and ENG 226). For information on admissions criteria for the Teacher Education Program and the courses required for licensure in North Carolina, see the Watson College of Education section of this catalogue. Students planning to pursue licensure should apply to the Watson College of Education as soon as admissions requirements are met (typically in the sophomore year) and plan their programs in regular consultation with their advisors. Teacher licensure requirements are established at the state level and may be changed by the state at any time.

Total: 42 hours

Courses in Other Departments:

Up to 6 hours of appropriate courses from outside the department may be counted toward the major or minor.

Environmental Sciences, B.S.

Program Coordinator: Dr. Chris Dumas

The B.S. in Environmental Sciences prepares students for careers in enviromental science and management. Typical employers include local, state and federal government agencies, science and engineering consulting firms, environmental nonprofit organizations, and the environmental management divisions of corporations. The B.S. in Environmental Sciences offers seven program options, six of which prepare the student to take a certification exam or to meet additional requirements for professional certification within their respective fields. The seventh option, Cross-Disciplinary, is available to facilitate pairing an EVS major with a minor or a double major.

Oral Communication Requirement

To satisfy the oral communication requirement for the B.S. degree in Environmental Sciences, a student must successfully complete EVS 495.

Applied Learning Requirement

To satisfy the Applied Learning requirement for the B.S. degree in Environmental Sciences, a student must successfully complete one of the following: a practicum experience in environmental science, EVS 497 (minimum 1 credit); a directed individual study related to EVS in any approved department, such as EVS 491 (minimum 1 credit); an honors project related to EVS in any approved department, such as EVS 499 or HON 499 (6 credits); or a formal student teaching experience (e.g. EDN 411).

Requirements for a Major in Environmental Sciences for the B.S. Degree

The B.S. degree in Environmental Sciences consists of 80-85 credit hours total, comprised of 42 hours of General Core requirements plus 38-43 hours of Option requirements. A student must select one of seven Options in environmental science: Ecological Restoration and Management, Wildlife Management,

Fisheries Management, Wetlands Management, Environmental Education, Sustainability, or Cross-Disciplinary.

General Core Requirements for all Environmental Sciences Majors (42 Credit Hours)

EVS 195 - Introduction to Environmental Sciences

Interdisciplinary introduction to the scope and application of environmental sciences. Emphasis on integrated analysis of environmental principles and discussions centering on current environmental problems. The lab for this course is EVSL 195.

Credit Hours: 3

Additional Restrictions/Requirements: EVS 195 and EVSL 195 may be taken in different semesters.
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

EVSL 195 - Environmental Sciences Lab

Laboratory analysis of environmental principles, resources, and problems. Application of scientific and social principles to solving current environmental problems. This course is the lab for EVS 195.

Credit Hours: 1

Prerequisite or Corequisite Courses: EVS 195
Additional Restrictions/Requirements: EVSL 195 may be taken in the same semester as EVS 195 or in a semester subsequent to EVS 195.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.

EVS 205 - Global Environmental Issues

Interdisciplinary study of contemporary environmental issues at a global scale, such as climate change, human population, biodiversity loss, food and water scarcity, energy, stratospheric ozone depletion, acid rain, and environmental justice. Causes, effects, policy implications, international negotiations, and development of treaties will be examined.

Credit Hours: 3

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

EVS 295 - Career Preparation and Networking in EVS

Research and career preparation and networking course required for EVS majors. Engagement with professionals in the EVS field while building research skills and portfolio for career preparation.

Prerequisite Courses: EVS 195 or EVS 205
Additional Restrictions/Requirements: Cannot be taken concurrently with EVS 495. Cannot be taken after student receives credit for EVS 495. Not available to OAP enrolled students.
Course Repeatability: Course may not be repeated.

BIO 201 - Principles of Biology: Cells

Introduction to principles governing living systems, especially the cellular and molecular basis of life and the transmission and utilization of genetic information. The lab for this course is BIOL 201.

Credit Hours: 3

Prerequisite or Corequisite Courses: BIOL 201
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

BIOL 201 - Principles of Biology: Cells Laboratory

Introduction to basic cell biology sampling techniques and data analysis. Experience in laboratory approaches to introduce basic investigative skills and methods of biological inquiry. This course is the lab for BIO 201.

Credit Hours: 1

Prerequisite or Corequisite Courses: BIO 201
University Studies: Approaches and

Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

or

BIO 202 - Principles of Biology: Biodiversity

Evolution, classification, and diversity of life, stressing morphology, physiology, principles of adaptation, and relationships between biotic and abiotic components of ecosystems. The lab for this course is BIOL 202.

Credit Hours: 3

Prerequisite or Corequisite Courses: BIOL 202
University Studies: Building Competencies/Information Literacy, Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

BIOL 202 - Principles of Biology: Biodiversity Laboratory

Introduction to basic biodiversity sampling techniques and data analysis. Experience in laboratory approaches

to introduce major taxonomic groups and biotic principles. This course is the lab for BIO 202.

Credit Hours: 1

Prerequisite or Corequisite Courses: BIO 202
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

CHM 101 - General Chemistry I

Overview of the fundamental laws, principles and theories of chemistry. A 'C' or better in CHM 101 is required to take certain advanced courses in chemistry.

Credit Hours: 3

Corequisite Courses: CHML 101.
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

CHML 101 - General Chemistry Laboratory I

Introduction to general chemistry laboratory techniques. This course is the lab companion course for general chemistry lecture CHM 101.

Credit Hours: 1

Corequisite Courses: CHM 101.
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

GGY 130 - Geosystems

Spatial distribution of environmental elements and processes, including weather and climate, groundwater, soils, rocks, plate tectonics, landforms, and vegetation. Three lecture and two laboratory hours each week.

Credit Hours: 4

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural

World, Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

or

GLY 120 - Environmental Geology

Introduction to the relationships between man and his geologic environment. Concerned with the problems that people have in using the earth and the reaction of the earth to that use. Emphasis is placed on earth processes, earth resources, and properties of rocks and surficial deposits insofar as they are important to or affect human activities. The lab for this course is GLYL 120.

Credit Hours: 3

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

GLYL 120 - Environmental Geology Lab

Laboratory analysis of earth materials and resources. Applications of geologic principles to solving current environmental problems. This course is the lab for GLY 120.

Credit Hours: 1

Prerequisite Courses: Prerequisite or corequisite: GLY 120.
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

MAT 150 - Basic Precalculus

Study of fundamental concepts of algebra, functions using graphical and algebraic approaches, and applications that are essential to the study of basic calculus. Covers linear, quadratic, polynomial, rational, radical, piecewise, composite, inverse, exponential, and logarithmic functions. Preparatory course for basic calculus, MAT 151.

Credit Hours: 3

Additional Restrictions/Requirements: No credit granted for MAT 150 after the completion of a MAT course numbered 151 or higher with a grade of C- or better.
University Studies: Foundations/Mathematics and Statistics, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

STT 215 - Introduction to Statistics

Methods of data collection; numerical and graphical analyses of univariate and bivariate data; axioms of probability; conditional probability; independence; distributions of random variables; introduction to confidence intervals and hypothesis testing; simple linear regression and correlation; use of statistical software to analyze data and simulate random variables.

Credit Hours: 3

University Studies: Foundations/Mathematics and Statistics
Course Repeatability: Course may not be repeated.

or

GGY 222 - Quantitative Methods in Earth Sciences

Use and interpretation of statistical techniques in geographic and geologic research. The course emphasizes problem identification, data collection and interpretation through assignments covering specific kinds of statistical methods.

Credit Hours: 3

University Studies: Building Competencies/Information Literacy, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

ENG 393 - Writing in the Scientific Disciplines

Rigorous introduction to writing for academic science contexts. Critically examines the current state of academic science writing and explores the multiple practical strategies scientists use to communicate in professional settings.

Credit Hours: 3

University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

EVS 325 - Environmental Economics

Application of basic economic principles to help understand environmental problems and evaluate alternative solutions. Economic principles used to analyze fundamental environmental issues such as property rights, externalities, conservation, public good, environmental protection, natural resource damage assessment, and pollution control. Specific focus on methods for non-market valuation.

Credit Hours: 3

Prerequisite Courses: ECN 125 or ECN 221
Crosslisting: ECN 325
Course Repeatability: Course may not be repeated.

or

EVS 330 - Natural Resource Economics

Economic principles developed and applied to evaluate public and private decisions involving the use and allocation of natural resources. Optimal control theory developed and applied to the management of natural resources. Attention to specific resource management areas such as forests and fisheries. Feasibility of alternatives for public policy.

Credit Hours: 3

Prerequisite Courses: ECN 125 or ECN 221
Crosslisting: ECN 330
Course Repeatability: Course may not be repeated.

or

ECN 325 - Environmental Economics

Application of basic economics principles is used to help understand environmental problems and evaluate alternative solutions. Economic principles will be employed to analyze fundamental environmental issues such as property rights, externalities, conservation, and public goods. Public policy issues such as environment protection, natural resource damage assessment, and pollution control will be evaluated from an economic

perspective. Specific focus will be given to methods for non-market valuation.

Credit Hours: 3

Prerequisite Courses: ECN 125 or ECN 221
Crosslisting: EVS 325
Course Repeatability: Course may not be repeated.

or

ECN 330 - Natural Resource Economics

Economic principles are developed and applied to evaluate public and private decisions involving the use and allocation of natural resources. Optimal control theory is developed and applied to the management of natural resources. Attention is given to specific resources management areas such as forests and fisheries. The feasibility of alternatives for public policy is evaluated.

Credit Hours: 3

Prerequisite Courses: ECN 125 or ECN 221

Crosslisting: EVS 330
Course Repeatability: Course may not be repeated.

EVS 360 - Human Dimensions of Natural Resource Management

Examines the interrelationships between the biological sciences, physical sciences, and social sciences within the human dimensions of natural resource management framework in the context of current environmental issues. Uses contemporary management processes to solve real-world environmental problems.

Credit Hours: 3

Prerequisite Courses: EVS 195
University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors, Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.

EVS 364 - Natural Resource Policy

Existing natural resource laws, institutions and programs are summarized in their historical context and in relation to current natural resource issues. Philosophical underpinnings of policy positions are examined and discussed. Models of policy creation, implementation, and reform, with specific examples focusing on natural resource management.

Credit Hours: 3

Prerequisite Courses: EVS 195 or permission of instructor.
Additional Restrictions/Requirements: Junior or senior standing, or permission of instructor.
Course Repeatability: Course may not be repeated.

EVS 495 - Seminar in Environmental Sciences

Individual reports and group discussions of the results of student field, laboratory, or library research on selected topics in environmental planning and policies.

Credit Hours: 0 to 3

Prerequisite Courses: EVS 195 and ENG 393.

Additional Restrictions/Requirements: Senior standing. In addition, all students require consent of instructor, who provides an override for the lecture portion of the course and a separate override for the lab portion of the course. Students must take both the lecture and the lab concurrently.
University Studies: Building Competencies/Writing Intensive, Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.
Major Restriction EVS**Minor Restriction** EVS
Applied Learning Requirement:

EVS 491 - Directed Individual Study

Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Enrichment Courses and Programs section in the catalogue.

Credit Hours: 1 To 6

Additional Restrictions/Requirements: Junior or senior standing, overall GPA of at least 2.00, and consent of instructor and department chair.
University Studies: Explorations Beyond the

Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

or

EVS 497 - Practicum in Environmental Sciences

Advanced field placement experience in governmental, corporate, NGO or other setting in the environmental field. Provides extended opportunity for fieldwork, research, and creative projects. Relates theory to practical application in the field. 40 hours of field work for each credit hour. Additional liability insurance expense may be necessary.

Credit Hours: 1 To 12

Additional Restrictions/Requirements: Declared major in EVS, 2.00 GPA overall, and consent of instructor.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

or

EVS 499 - Honors Work in Environmental Sciences

Independent study for honors students.

Credit Hours: 2 To 3

Additional Restrictions/Requirements: Senior standing.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6

or

HON 499 - Interdisciplinary Honors Work

Independent work for honors students that emphasizes interdisciplinary study.

Credit Hours: 2 To 3

Additional Restrictions/Requirements: Junior or senior standing and eligibility for honors program.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6

Ecological Restoration and Management Option

BIO 201 - Principles of Biology: Cells

Introduction to principles governing living systems, especially the cellular and molecular basis of life and the transmission and utilization of genetic information. The lab for this course is BIOL 201.

Credit Hours: 3

Prerequisite or Corequisite Courses: BIOL 201
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

(Note: The BIO 20x and BIOL 20x course not taken to fulfill the core requirement.)

BIOL 201 - Principles of Biology: Cells Laboratory

Introduction to basic cell biology sampling techniques and data analysis. Experience in laboratory approaches to introduce basic investigative skills and methods of biological inquiry. This course is the lab for BIO 201.

Credit Hours: 1

Prerequisite or Corequisite Courses: BIO 201
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

or

BIO 202 - Principles of Biology: Biodiversity

Evolution, classification, and diversity of life, stressing morphology, physiology, principles of adaptation, and relationships between biotic and abiotic components of ecosystems. The lab for this course is BIOL 202.

Credit Hours: 3

Prerequisite or Corequisite Courses: BIOL 202
University Studies: Building Competencies/Information Literacy, Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

BIOL 202 - Principles of Biology: Biodiversity Laboratory

Introduction to basic biodiversity sampling techniques and data analysis. Experience in laboratory approaches to introduce major taxonomic groups and biotic principles. This course is the lab for BIO 202.

Credit Hours: 1

Prerequisite or Corequisite Courses: BIO 202
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

GGY 321 - Introduction to Geographic Information Systems

Introduces fundamental concepts and principles of Geographic Information Systems (GIS). Tools, functions, and capabilities of GIS desktop software (e.g. ArcGIS or QGIS) are explained and used to visualize and manipulate geospatial data.

Credit Hours: 3

Prerequisite Courses: GGY 130 or GGY 215 or GLY 101 or GLY 120 or OCN 150 or EVS 195 or EGN 102.
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

BIO 366 - Ecology

An introduction to basic ecological principles as they pertain to individual organisms, populations, communities and systems. The lab for this course is BIOL 366.

Credit Hours: 3

Prerequisite Courses: BIO 201 and BIO 202
Course Repeatability: Course may not be repeated.

BIOL 366 - Ecology Laboratory

Introduction to ecological sampling techniques and data analysis. Experience in field sampling, laboratory and computer modeling of sampling approaches, and scientific writing is also included. This course is the lab for BIO 366. This course is the lab for BIO 366.

Credit Hours: 1

Prerequisite or Corequisite Courses: BIO 366
University Studies: Building Competencies/Writing Intensive, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

BIO 363 - Coral Reef Ecology

Ecology and physiology of coral reef organisms, emphasizing processes that contribute to the function and complexity of coral reef ecosystems. Reef information and geology, coral biology and physiology, ecological interactions, human effects, global effects, and conversation will be considered. The lab for this course is BIOL 363.

Credit Hours: 3

Prerequisite Courses: BIO 201 and BIO 202.
Course Repeatability: Course may not be repeated.

or

BIO 434 - Coastal Marine Ecology

An in-depth study of the major processes controlling populations and structuring coastal marine communities. Emphasis is on the review and discussion of important historical and recent scientific papers.

Credit Hours: 3

Prerequisite Courses: BIO 366 or BIO 362
Course Repeatability: Course may not be repeated.

or

EVS 489 - Wetlands Ecology and Management

Introduction to principles of wetland science emphasizing identification and management. Examination of biological, physical, chemical, and ecological aspects of wetland ecosystems at local, landscape, and global scales, with a focus on

classification and legal protection of wetlands in North Carolina. Experience in techniques for identification and delineation of wetland ecosystems.

Credit Hours: 4

Prerequisite Courses: EVS 195 and BIO 366, or consent of instructor.
Course Repeatability: Course may not be repeated.

EVS 469 - Restoration Ecology

Study of the ecological processes that underlie the restoration of natural communities in ecosystems. Examination of all aspects of restoration work, including planning and monitoring. Consideration of a variety of disturbance types, including agricultural, natural resource extraction, waste management, urbanization, and tourism. Off campus field trips required. Additional Course Fees: Student Blanket Professional Liability Insurance.

Credit Hours: 3

Prerequisite Courses: BIO 366.

Additional Restrictions/Requirements: Junior status or higher.
Course Repeatability: Course may not be repeated.

EVS 400 - Wildlife Management

Introductory principals of wildlife management spanning management perspectives, managing landscapes for wildlife, and managing wildlife populations.

Credit Hours: 3

Prerequisite Courses: EVS 195, BIO 366.
Course Repeatability: Course may not be repeated.

or

EVS 433 - Tree and Forest Measurement

Study of forest mensuration including skills needed to take accurate forest measurements using essential forestry tools. Topics include foundations of forestry; forest ecology; essential tree and forest measurements such as tree age, height, and basal area; and key forestry topics such as tree regeneration, prescribed fire, and forest understory. Additional Course Fees: Student Blanket Professional Liability Insurance.

Credit Hours: 3

Prerequisite Courses: EVS 195, or permission of instructor.
Course Repeatability: Course may not be repeated.

or

EVS 444 - Wildland Fire Behavior and Fuels

Introduction to wildland fire behavior. Topics include fuels, weather, and topography and how these factors shape fire behavior and fire management.

Credit Hours: 3

Prerequisite Courses: EVS 195 or permission of instructor.
Course Repeatability: Course may not be repeated.

or

EVS 450 - Avian Conservation and Management

Exploration of the primary threats to North American bird populations, the ecological mechanisms that influence avian populations, and management solutions

that can enhance the conservation of avifauna.

Credit Hours: 3

Prerequisite Courses: EVS 195.
Additional Restrictions/Requirements: Junior or Senior status.
Course Repeatability: Course may not be repeated.
Additional Course Fees: None

or

EVS 452 - Offshore Energy & Resource Management

Introduction to the fundamental concepts behind offshore energy and resource management. Examination of a range of marine resources, including offshore oil and gas; wave, wind and tidal energy; and marine minerals. Discussion of the historical evolution, technological developments, challenges and potential impacts of each offshore resource. Additional Course Fees: Student Blanket Professional Liability Insurance.

Credit Hours: 3

Additional Restrictions/Requirements: Junior or senior standing, or permission of instructor.
Course Repeatability: Course may not be repeated.

or

EVS 472 - Coastal Protected Areas Management

Study of resource management focused on protected areas maintained by government agencies and by private non-profit organization. Emphasis will be on natural area significance, site selection, management plan development, policy formulation, protection options, use conflicts, and public relations.

Credit Hours: 3

Prerequisite Courses: EVS 195 and EVS 360
Additional Restrictions/Requirements: Prerequisite courses or consent of the Instructor.
Course Repeatability: Course may not be repeated.

or

EVS 483 - Fisheries Policy and Management

Overview of fisheries policy and management. Considers important international, national, and

regional fisheries, with extended consideration of North Carolina fisheries. Reviews fisheries management agencies, policies, data sources, trends and issues. Examines common biological fishery models, fishing methods and gear, and fishery regulations. Explores methods for assessing the economic impacts of fishing and the recreational value of fishing.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

or

EVS 484 - Agriculture and the Environment

Interdisciplinary exploration of the impacts of crop and animal agriculture on terrestrial, aquatic, and marine environments. Topics include natural habitat impacts, sediment transport, nutrient runoff, land conversion, and concentrated feeding operations. Emphasis on building student communication skills and competency in critical analysis of current environmental issues.

Credit Hours: 3

Prerequisite Courses: EVS 195.
Course Repeatability: Course may not be repeated.
Additional Course Fees: None

EVS 410 - Environmental Modeling

Overview of environmental modeling as used in practice. Consideration of selected abiotic and biotic models with applications to bacteria, plankton, fish, plants, trees, amphibians, reptiles, birds, and mammals. Hands-on ecological modeling with spreadsheet software.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

or

EVS 422 - Marine Environmental Survey Techniques

Introduction to the fundamentals of environmental marine survey techniques for conservation and management purposes. Use of bathymetric, acoustic imaging, underwater video and seabed sampling techniques to collect, process, export and characterize

data related to a range of marine environments in coastal North Carolina.Additional Course Fees: Student Blanket Professional Liability Insurance.

Credit Hours: 3

Prerequisite Courses: GGY 321
Additional Restrictions/Requirements: Junior/Senior standing required, or permission of instructor.
Course Repeatability: Course may not be repeated.

or

EVS 441 - Advanced Environmental Field Methods

Survey of methods, techniques, and tools used to gather and analyze data in environmental fieldwork with application to environmental issues and management. Field trips required. Additional Course Fees: Student Blanket Professional Liability Insurance.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

or

EVS 455 - Geospatial Analysis for Coastal Management

Examination of coastal issues and management using a problem-based GIS approach. Topics include developing a GIS, managing data acquired from different sources, creating new data, describing data, and generating desired outputs. Student projects utilize various GIS programs, extensions and equipment. Additional Course Fees: Student Blanket Professional Liability Insurance.

Credit Hours: 3

Prerequisite Courses: GGY 321, or instructor approval.
Course Repeatability: Course may not be repeated.

or

EVS 456 - Land Survey Technology for Natural Resource Management

Introduction to the operation and application of land survey technology for natural resource management. Consideration of equipment operation, best practices in natural resource surveys, project planning, and data

analysis. Additional Course Fees: Student Blanket Professional Liability Insurance.

Credit Hours: 2

Prerequisite Courses: GGY 321, or permission of instructor.
Course Repeatability: Course may not be repeated.

or

EVS 477 - Environmental Site Assessment

Study of ASTM guidelines for environmental site assessment, emphasis on historic overview, regulations, and preparation methods associated with environmental site assessment. Lecture and field trips.

Credit Hours: 3

Additional Restrictions/Requirements: Junior or senior standing or consent of the instructor.
Course Repeatability: Course may not be repeated.

EVS 414 - Wildland Fire Ecology

This course examines abiotic and biotic adaptations and effects of fire. Prescribed fire restoration and management will also be discussed in addition to new challenges that are emerging from climate change, fire suppression, and growing populations in areas where wildland fires occur.

Credit Hours: 3

Prerequisite Courses: EVS 195, or permission of instructor.
Course Repeatability: Course may not be repeated.

or

BIO 489 - Benthic Ecology

The scientific study of the organisms and processes that structure coastal benthic communities. Benthic communities encompass the vast seafloor areas of estuaries and oceans and support aquatic communities, fisheries, larger species of interest, and critical ecosystem processes.

Credit Hours: 3

Prerequisite Courses: BIO 201, BIO 202, BIO 366.
Course Repeatability: Course may not be repeated.

EVS 445 - Environmental Conservation

A scientific exploration of conservation theories and practices to understand the challenges of protecting, maintaining, and restoring biological diversity to Earth's many environs.

Credit Hours: 3

Prerequisite Courses: EVS 195, EVSL 195, BIO 366, BIOL 366.
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

or

BIO 466 - Conservation Biology

A scientific approach to the protection, maintenance, and restoration of biological diversity, including its ecological and evolutionary processes and total environment.

Credit Hours: 3

Prerequisite Courses: BIO 366 or BIO 362
Additional Restrictions/Requirements: Junior or senior standing.
Course Repeatability: Course may not be repeated.

EVS 474 - Wildland Fire Management

Study of wildland fire management. Focus on the suppression of wild fires and the use of controlled burning as a natural resource management tool. Participation in practical field training including controlled burns. Participants must meet physical fitness guidelines. Additional Course Fees: Student Blanket Professional Liability Insurance.

Credit Hours: 3

Additional Restrictions/Requirements: Junior or senior standing or consent of instructor.
Course Repeatability: Course may not be repeated.

Choose two (may not select both GLY 226 and GGY 235):

GLY 226 - Principles of Hydrology

Covers the three main components of terrestrial hydrology: (1) atmospheric water, precipitation, and surface-atmosphere interactions; (2) groundwater, infiltration, substance flow, and aquifers; and (3) surface water, watersheds, rivers and floods. Lectures and exercises focus on collecting and interpreting hydrological data to address environmental issues.

Credit Hours: 3

Prerequisite Courses: GGY 130 or GLY 101 or GLY 120
Crosslisting: GGY 235
Course Repeatability: Course may not be repeated.

or

GGY 235 - Principles of Hydrology

Covers the three main components of terrestrial hydrology: (1) atmospheric water, precipitation, and surface-atmosphere interactions; (2) groundwater, infiltration, substance flow, and aquifers; and (3) surface water, watersheds, rivers and floods. Lectures and exercises focus on collecting and interpreting hydrological data to address environmental issues.

Credit Hours: 3

Prerequisite Courses: GGY 130 or GLY 101 or GLY 120
Crosslisting: GLY 226
Course Repeatability: Course may not be repeated.

or

GGY 230 - Introduction to Weather and Climate

Examination of general climatic characteristics through space and time, especially as influenced by controls upon temperature, wind and moisture distributions, and by planetary, regional and local atmospheric disturbances.

Credit Hours: 3

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

or

GGY 333 - Applied Climatology

The spatial distribution and character of climates, their relation to other elements of the environment and to human activities. Students work individually or in small groups to solve problems through applications of climate principles and data.

Credit Hours: 3

Prerequisite Courses: GGY 130 or GGY 230
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

or

GGY 437 - Soils in the Earth Sciences

Pedogenic processes, morphology, classification, and geographic distribution of soils. Lab includes field description of soil profiles and laboratory analysis of soil samples. Three lecture and three laboratory hours each week.

Credit Hours: 4

Prerequisite Courses: GGY 130 or GLY 101 or GLY 201 or EVS 195.
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

or

GLY 420 - Global Climate Change

Analysis of natural and anthropogenic global climate change with an emphasis on future global climate change. Topics include Earth's energy balance, the global carbon cycle, climate modeling, atmospheric composition, and dynamics. Review of geographical variation in climate change.

Credit Hours: 3

Prerequisite Courses: GGY 230
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
University Studies: Building Competencies/Writing Intensive

Crosslisting: GGY 420, PHY 420
Course Repeatability: Course may not be repeated.

Option Total: 38 Credit Hours

Wildlife Management Option

(Note: The BIO 20x and BIOL 20x course not taken to fulfill the core requirement.)

BIO 201 - Principles of Biology: Cells

Introduction to principles governing living systems, especially the cellular and molecular basis of life and the transmission and utilization of genetic information. The lab for this course is BIOL 201.

Credit Hours: 3

Prerequisite or Corequisite Courses: BIOL 201
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

BIOL 201 - Principles of Biology: Cells Laboratory

Introduction to basic cell biology sampling techniques and data analysis. Experience in laboratory approaches to introduce basic investigative skills and methods of biological inquiry. This course is the lab for BIO 201.

Credit Hours: 1

Prerequisite or Corequisite Courses: BIO 201
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

or

BIO 202 - Principles of Biology: Biodiversity

Evolution, classification, and diversity of life, stressing morphology, physiology, principles of adaptation, and relationships between biotic and abiotic components of ecosystems. The lab for this course is BIOL 202.

Credit Hours: 3

Prerequisite or Corequisite Courses: BIOL 202
University Studies: Building

Competencies/Information Literacy, Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

BIOL 202 - Principles of Biology: Biodiversity Laboratory

Introduction to basic biodiversity sampling techniques and data analysis. Experience in laboratory approaches to introduce major taxonomic groups and biotic principles. This course is the lab for BIO 202.

Credit Hours: 1

Prerequisite or Corequisite Courses: BIO 202
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

BIO 366 - Ecology

An introduction to basic ecological principles as they pertain to individual organisms, populations, communities and systems. The lab for this course is

BIOL 366.

Credit Hours: 3

Prerequisite Courses: BIO 201 and BIO 202
Course Repeatability: Course may not be repeated.

BIOL 366 - Ecology Laboratory

Introduction to ecological sampling techniques and data analysis. Experience in field sampling, laboratory and computer modeling of sampling approaches, and scientific writing is also included. This course is the lab for BIO 366. This course is the lab for BIO 366.

Credit Hours: 1

Prerequisite or Corequisite Courses: BIO 366
University Studies: Building Competencies/Writing Intensive, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

BIO 315 - Comparative Vertebrate Anatomy

Comparative morphology and phylogenetic interrelationships of vertebrate animals; representative

organisms dissected in laboratory.

Credit Hours: 0 Or 4

Prerequisite Courses: BIO 201 and BIO 202
University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

BIO 335 - Genetics

Principles of Mendelian inheritance, gene action and molecular genetics, and population genetics. The lab for this course is BIOL 335.

Credit Hours: 3

Prerequisite Courses: BIO 201 and BIO 202
Course Repeatability: Course may not be repeated.

BIO 354 - Herpetology

Study of reptiles and amphibians with emphasis on their evolution, physiology, ecology, behavior, and conservation. Laboratory focuses on species identification and field techniques for studying

herpetofauna. Several field trips to local areas.

Credit Hours: 0 Or 4

Prerequisite Courses: BIO 201 and BIO 202.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 4

or

BIO 452 - Mammalogy

Study of mammals, emphasizing their evolution, taxonomic relationships, structural and physiological adaption, and life histories.

Credit Hours: 4

Prerequisite Courses: BIO 201 and BIO 202
Course Repeatability: Course may not be repeated.

or

BIO 456 - Ornithology

An introduction to avian biology with an emphasis on the evolution, classification, physiology, ecology, natural history, and conservation of birds. The lab for this course is BIOL 456.

Credit Hours: 3

Corequisite Courses: BIOL 456
Prerequisite Courses: BIO 201, BIO 202, and BIO 366 or BIO 362
Course Repeatability: Course may not be repeated.

BIO 475 - Plant Systematics

An introduction to identification, classification, and nomenclature of vascular plants with emphasis on the flora of southeastern North Carolina.

Credit Hours: 4

Prerequisite Courses: BIO 201 and BIO 202
Course Repeatability: Course may not be repeated.

COM 101 - Public Speaking

Preparation and delivery of public presentations, with emphasis on creativity, reasoning, evidence, organization, and delivery. Course content will also be applied to analysis of speeches by self and others.

Credit Hours: 3

University Studies: Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

or

EVS 321 - Analyzing and Communicating Environmental Issues

Studies how current environmental issues are discussed, communicated, and presented to a broad range of audiences. Students research current environmental topics and make presentations, which are peer-reviewed and critiqued.

Credit Hours: 3

Prerequisite Courses: EVS 195 or EVS 205.
Course Repeatability: Course may not be repeated.

EVS 400 - Wildlife Management

Introductory principals of wildlife management spanning management perspectives, managing landscapes for wildlife, and managing wildlife populations.

Credit Hours: 3

Prerequisite Courses: EVS 195, BIO 366.
Course Repeatability: Course may not be repeated.

EVS 440 - Wildlife Field Methods for Conservation

A hands-on course in the tools and techniques of wildlife field methods. Focusing on amphibians, reptiles, birds, and mammals, students learn basic applied wildlife methods employed by conservation and management agencies. Additional Course Fees: Student Blanket Professional Liability Insurance.

Credit Hours: 4

Corequisite Courses: EVS 195, and STT 215 or GGY 222, or permission of instructor.

Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 8 **Repeat Limit:** 1

EVS 445 - Environmental Conservation

A scientific exploration of conservation theories and practices to understand the challenges of protecting, maintaining, and restoring biological diversity to Earth's many environs.

Credit Hours: 3

Prerequisite Courses: EVS 195, EVSL 195, BIO 366, BIOL 366.
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

or

BIO 466 - Conservation Biology

A scientific approach to the protection, maintenance, and restoration of biological diversity, including its ecological and evolutionary processes and total environment.

Credit Hours: 3

Prerequisite Courses: BIO 366 or BIO 362
Additional Restrictions/Requirements: Junior or senior standing.
Course Repeatability: Course may not be repeated.

GGY 321 - Introduction to Geographic Information Systems

Introduces fundamental concepts and principles of Geographic Information Systems (GIS). Tools, functions, and capabilities of GIS desktop software (e.g. ArcGIS or QGIS) are explained and used to visualize and manipulate geospatial data.

Credit Hours: 3

Prerequisite Courses: GGY 130 or GGY 215 or GLY 101 or GLY 120 or OCN 150 or EVS 195 or EGN 102.
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

OCN 150 - Introduction to Oceanography

An introduction to the geology, physics, chemistry, and biology of the ocean; instruments and techniques of oceanography; resources of the ocean. The lab for this course is OCNL 150.

Credit Hours: 3

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

OCNL 150 - Introduction to Oceanography Laboratory

A hands-on, experiential introduction to the study of the oceans including geological, biological, chemical, and physical aspects. Instruments and techniques of oceanography, marine resources, and human interaction with the oceans will also be explored. Multiple required field trips. This course is the lab for OCN 150.

Credit Hours: 1

Prerequisite Courses: Prerequisite or corequisite: OCN 150.
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

or

PHY 101 - Elementary College Physics I

First semester of a two semester algebra-based introduction to the fundamental principles of physics. Topics include kinematics, Newtonian statics and dynamics, gravitation, oscillations, and mechanical waves.

Credit Hours: 4

Prerequisite or Corequisite Courses: MAT 111 or MAT 112 or MAT 150 or MAT 151 or MAT 160 or MAT 161
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

Option Total: 43 Credit Hours

Wetlands Management Option

BIO 201 - Principles of Biology: Cells

Introduction to principles governing living systems, especially the cellular and molecular basis of life and the transmission and utilization of genetic information. The lab for this course is BIOL 201.

Credit Hours: 3

Prerequisite or Corequisite Courses: BIOL 201
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

(Note: The BIO 20x and BIOL 20x course not taken to fulfill the core requirement.)

BIOL 201 - Principles of Biology: Cells Laboratory

Introduction to basic cell biology sampling techniques and data analysis. Experience in laboratory approaches

to introduce basic investigative skills and methods of biological inquiry. This course is the lab for BIO 201.

Credit Hours: 1

Prerequisite or Corequisite Courses: BIO 201
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

or

BIO 202 - Principles of Biology: Biodiversity

Evolution, classification, and diversity of life, stressing morphology, physiology, principles of adaptation, and relationships between biotic and abiotic components of ecosystems. The lab for this course is BIOL 202.

Credit Hours: 3

Prerequisite or Corequisite Courses: BIOL 202
University Studies: Building Competencies/Information Literacy, Approaches and Perspectives/Scientific Approaches to the Natural

World
Course Repeatability: Course may not be repeated.

BIOL 202 - Principles of Biology: Biodiversity Laboratory

Introduction to basic biodiversity sampling techniques and data analysis. Experience in laboratory approaches to introduce major taxonomic groups and biotic principles. This course is the lab for BIO 202.

Credit Hours: 1

Prerequisite or Corequisite Courses: BIO 202
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

BIO 366 - Ecology

An introduction to basic ecological principles as they pertain to individual organisms, populations, communities and systems. The lab for this course is BIOL 366.

Credit Hours: 3

Prerequisite Courses: BIO 201 and BIO 202
Course Repeatability: Course may not be repeated.

BIOL 366 - Ecology Laboratory

Introduction to ecological sampling techniques and data analysis. Experience in field sampling, laboratory and computer modeling of sampling approaches, and scientific writing is also included. This course is the lab for BIO 366. This course is the lab for BIO 366.

Credit Hours: 1

Prerequisite or Corequisite Courses: BIO 366
University Studies: Building Competencies/Writing Intensive, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

EVS 422 - Marine Environmental Survey Techniques

Introduction to the fundamentals of environmental marine survey techniques for conservation and management purposes. Use of bathymetric, acoustic

imaging, underwater video and seabed sampling techniques to collect, process, export and characterize data related to a range of marine environments in coastal North Carolina.Additional Course Fees: Student Blanket Professional Liability Insurance.

Credit Hours: 3

Prerequisite Courses: GGY 321
Additional Restrictions/Requirements: Junior/Senior standing required, or permission of instructor.
Course Repeatability: Course may not be repeated.

or

EVS 477 - Environmental Site Assessment

Study of ASTM guidelines for environmental site assessment, emphasis on historic overview, regulations, and preparation methods associated with environmental site assessment. Lecture and field trips.

Credit Hours: 3

Additional Restrictions/Requirements: Junior or

senior standing or consent of the instructor.
Course Repeatability: Course may not be repeated.

or

OCN 250 - Coasts and Society

Variability of coastal landforms, the processes that shape them, problems brought about by natural and anthropogenic changes, and the role of culturally-based perceptions on valuation and management of coastal systems. Focus on coastal environments of populated continents and island nations including barrier islands, rocky coasts, dunes, estuaries, marshes and deltas.

Credit Hours: 3

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World, Approaches and Perspectives/Living in a Global Society, Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

EVS 445 - Environmental Conservation

A scientific exploration of conservation theories and practices to understand the challenges of protecting,

maintaining, and restoring biological diversity to Earth's many environs.

Credit Hours: 3

Prerequisite Courses: EVS 195, EVSL 195, BIO 366, BIOL 366.
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

or

BIO 466 - Conservation Biology

A scientific approach to the protection, maintenance, and restoration of biological diversity, including its ecological and evolutionary processes and total environment.

Credit Hours: 3

Prerequisite Courses: BIO 366 or BIO 362
Additional Restrictions/Requirements: Junior or senior standing.
Course Repeatability: Course may not be repeated.

EVS 455 - Geospatial Analysis for Coastal Management

Examination of coastal issues and management using a problem-based GIS approach. Topics include developing a GIS, managing data acquired from different sources, creating new data, describing data, and generating desired outputs. Student projects utilize various GIS programs, extensions and equipment. Additional Course Fees: Student Blanket Professional Liability Insurance.

Credit Hours: 3

Prerequisite Courses: GGY 321, or instructor approval.
Course Repeatability: Course may not be repeated.

EVS 489 - Wetlands Ecology and Management

Introduction to principles of wetland science emphasizing identification and management. Examination of biological, physical, chemical, and ecological aspects of wetland ecosystems at local, landscape, and global scales, with a focus on classification and legal protection of wetlands in North

Carolina. Experience in techniques for identification and delineation of wetland ecosystems.

Credit Hours: 4

Prerequisite Courses: EVS 195 and BIO 366, or consent of instructor.
Course Repeatability: Course may not be repeated.

GGY 321 - Introduction to Geographic Information Systems

Introduces fundamental concepts and principles of Geographic Information Systems (GIS). Tools, functions, and capabilities of GIS desktop software (e.g. ArcGIS or QGIS) are explained and used to visualize and manipulate geospatial data.

Credit Hours: 3

Prerequisite Courses: GGY 130 or GGY 215 or GLY 101 or GLY 120 or OCN 150 or EVS 195 or EGN 102.
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

Choose 3 from (may not select both GLY 226 and GGY 235):

EVS 472 - Coastal Protected Areas Management

Study of resource management focused on protected areas maintained by government agencies and by private non-profit organization. Emphasis will be on natural area significance, site selection, management plan development, policy formulation, protection options, use conflicts, and public relations.

Credit Hours: 3

Prerequisite Courses: EVS 195 and EVS 360
Additional Restrictions/Requirements: Prerequisite courses or consent of the Instructor.
Course Repeatability: Course may not be repeated.

or

GLY 226 - Principles of Hydrology

Covers the three main components of terrestrial hydrology: (1) atmospheric water, precipitation, and surface-atmosphere interactions; (2) groundwater, infiltration, substance flow, and aquifers; and (3)

surface water, watersheds, rivers and floods. Lectures and exercises focus on collecting and interpreting hydrological data to address environmental issues.

Credit Hours: 3

Prerequisite Courses: GGY 130 or GLY 101 or GLY 120
Crosslisting: GGY 235
Course Repeatability: Course may not be repeated.

or

GGY 235 - Principles of Hydrology

Covers the three main components of terrestrial hydrology: (1) atmospheric water, precipitation, and surface-atmosphere interactions; (2) groundwater, infiltration, substance flow, and aquifers; and (3) surface water, watersheds, rivers and floods. Lectures and exercises focus on collecting and interpreting hydrological data to address environmental issues.

Credit Hours: 3

Prerequisite Courses: GGY 130 or GLY 101 or GLY

120
Crosslisting: GLY 226
Course Repeatability: Course may not be repeated.

or

BIO 387 - Biological Impacts of Coastal Management

Overview of the impacts of coastal management efforts on species of concern and broader ecosystem dynamics. Exploration of how coastal activities and coastal management related to fisheries, aquaculture, shoreline processes, and water quality may directly and indirectly impact coastal ecosystem composition and resiliency, populations of endangered species, and broader connections with the ocean foods webs.

Credit Hours: 3

Prerequisite Courses: BIO 201, BIO 202.
Additional Restrictions/Requirements: Junior or senior standing or consent of instructors
Course Repeatability: Course may not be repeated.

or

BIO 434 - Coastal Marine Ecology

An in-depth study of the major processes controlling populations and structuring coastal marine communities. Emphasis is on the review and discussion of important historical and recent scientific papers.

Credit Hours: 3

Prerequisite Courses: BIO 366 or BIO 362
Course Repeatability: Course may not be repeated.

or

OCN 451 - Coastal Wetlands

Analysis of types of coastal wetlands and their evolution. Discussion of physical, chemical, geological, and biological processes controlling development and maintenance of these systems in response to natural and anthropogenic forcing factors.

Credit Hours: 3

Prerequisite Courses: OCN 350
Additional Restrictions/Requirements: Prerequisite

course or consent of instructor.
Course Repeatability: Course may not be repeated.

or

PHY 480 - Coastal And Estuarine Systems

Introduction to the physical processes operating within coastal and estuarine systems. Focus on the dynamical description of topics such as gravity waves, surf zone hydrodynamics, storm surge, tides, estuarine hydraulics, sediment transport, and morphodynamics. Credit is not allowed for both PHY 480 and PHY 580.

Credit Hours: 3

Prerequisite Courses: PHY 475
Crosslisting: PHY 580
Course Repeatability: Course may not be repeated.

Choose two from:

OCN 150 - Introduction to Oceanography

An introduction to the geology, physics, chemistry, and biology of the ocean; instruments and techniques of oceanography; resources of the ocean. The lab for this course is OCNL 150.

Credit Hours: 3

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

OCNL 150 - Introduction to Oceanography Laboratory

A hands-on, experiential introduction to the study of the oceans including geological, biological, chemical, and physical aspects. Instruments and techniques of oceanography, marine resources, and human interaction with the oceans will also be explored. Multiple required field trips. This course is the lab for OCN 150.

Credit Hours: 1

Prerequisite Courses: Prerequisite or corequisite: OCN 150.
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural

World
Course Repeatability: Course may not be repeated.

or

PHY 101 - Elementary College Physics I

First semester of a two semester algebra-based introduction to the fundamental principles of physics. Topics include kinematics, Newtonian statics and dynamics, gravitation, oscillations, and mechanical waves.

Credit Hours: 4

Prerequisite or Corequisite Courses: MAT 111 or MAT 112 or MAT 150 or MAT 151 or MAT 160 or MAT 161
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

or

GGY 322 - Introduction to Remote Sensing

Theory and application of remote sensing techniques and software applications for environmental sciences, geography, earth sciences, hydrology, archaeology, forestry, and public health. Includes satellite data collection, digital image processing, multispectral image analysis, introduction to thermal infrared and microwave data through laboratory exercises. Students work in small groups to apply remote sensing concepts to solve complex problems. Two lecture and two laboratory hours each week.

Credit Hours: 3

Prerequisite Courses: GGY 130 or GGY 215 or GLY 101 or GLY 120 or OCN 150 or EVS 195 or consent of instructor.
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

or

GGY 437 - Soils in the Earth Sciences

Pedogenic processes, morphology, classification, and geographic distribution of soils. Lab includes field

description of soil profiles and laboratory analysis of soil samples. Three lecture and three laboratory hours each week.

Credit Hours: 4

Prerequisite Courses: GGY 130 or GLY 101 or GLY 201 or EVS 195.
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

Option Total: 38 Credit Hours

Environmental Education Option

BIO 201 - Principles of Biology: Cells

Introduction to principles governing living systems, especially the cellular and molecular basis of life and the transmission and utilization of genetic information. The lab for this course is BIOL 201.

Credit Hours: 3

Prerequisite or Corequisite Courses: BIOL 201

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

(Note: The BIO 20x and BIOL 20x course not taken to fulfill the core requirement.)

BIOL 201 - Principles of Biology: Cells Laboratory

Introduction to basic cell biology sampling techniques and data analysis. Experience in laboratory approaches to introduce basic investigative skills and methods of biological inquiry. This course is the lab for BIO 201.

Credit Hours: 1

Prerequisite or Corequisite Courses: BIO 201
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

or

BIO 202 - Principles of Biology: Biodiversity

Evolution, classification, and diversity of life, stressing morphology, physiology, principles of adaptation, and relationships between biotic and abiotic components of ecosystems. The lab for this course is BIOL 202.

Credit Hours: 3

Prerequisite or Corequisite Courses: BIOL 202
University Studies: Building Competencies/Information Literacy, Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

BIOL 202 - Principles of Biology: Biodiversity Laboratory

Introduction to basic biodiversity sampling techniques and data analysis. Experience in laboratory approaches to introduce major taxonomic groups and biotic principles. This course is the lab for BIO 202.

Credit Hours: 1

Prerequisite or Corequisite Courses: BIO 202

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

BIO 366 - Ecology

An introduction to basic ecological principles as they pertain to individual organisms, populations, communities and systems. The lab for this course is BIOL 366.

Credit Hours: 3

Prerequisite Courses: BIO 201 and BIO 202
Course Repeatability: Course may not be repeated.

EVS 424 - Environmental Nonprofit Organizations

Introduction to the unique issues facing environmental nonprofit organizations when addressing wicked problems in conservation, sustainability, and environment. Practical application and examination of real-world case studies provides a foundation to examine best practices in outreach, education, systems

thinking, and adaptive management from local and global frameworks in environmental nonprofit organizations.

Credit Hours: 3

Additional Restrictions/Requirements: Junior/Senior standing required or permission of instructor.
Course Repeatability: Course may not be repeated.

EVS 428 - Environmental Interpretation in Protected Areas

Exploration of key concepts related to environmental interpretation in terrestrial and marine protected areas. Focus on, and experience in, the development and implementation of environmental interpretive materials (e.g., brochures, signage, exhibits) and activities (e.g., talks, guided tours, field trips). Additional Course Fees: Student Blanket Professional Liability Insurance.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Additional Course Fees: None

EVS 441 - Advanced Environmental Field Methods

Survey of methods, techniques, and tools used to gather and analyze data in environmental fieldwork with application to environmental issues and management. Field trips required. Additional Course Fees: Student Blanket Professional Liability Insurance.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

EVS 363 - Foundations of Environmental Education

Exploration of environmental education in a wide array of contexts and with diverse audiences. Topics include how to apply relevant theory, prior environmental education research, and key concepts to enhance diverse environmental education programs (e.g., urban, rural, in-person, online, single-day, residential).

Credit Hours: 3

Prerequisite Courses: EVS 195
Course Repeatability: Course may not be repeated.

EVS 476 - Topics and Issues in Sustainability

Study of fundamental concepts related to a sustainable society including current global and local issues. Focus on environmental topics (energy, water, climate, soil, forests, food, and population) with consideration of current social and economic issues. Additional Course Fees: Student Blanket Professional Liability Insurance.

Credit Hours: 3

Prerequisite Courses: EVS 195 and EVSL 195
Additional Restrictions/Requirements: Prerequisite courses or consent of the instructor.
Course Repeatability: Course may not be repeated.

EVS 427 - Research and Evaluation in Environmental Education

Exploration of the practical skills necessary to conduct program evaluation and research and the importance of these efforts in the environmental education field.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

EVS 465 - Education for Sustainable Development

Study of educational strategies and methods for implementing priority action areas of sustainable development goals. Focus on sustainable development education as practiced in the field in different countries under varying circumstances using a case study approach. Evaluation of the relative success of alternative teaching methods related to sustainable development across locations and cultures.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

Option Electives: 12 credits total from list below, 9 of which must be at the 300-400 level. Maximum of 5 credits allowed from EVS 491, EVS 497, EVS 499 or HON 499. Credits taken to fulfill other parts of the degree may not double count here.

Any EVS 200-499

Any course numbered 300-499 from BIO, CHM, GGY, GLY, OCN, PHY
MAT 151, 112, 152, 161, 162, 335, 361
STT 305, 350, 411, 412
ANT 206, 309, 329
CHHS 350
COM 211, 212, 220, 256, 257, 265, 313, 344, 346
EDN 301, 302, 304, 320, 336, 338, 426, 460
ENG 313, 318, 376
INT 314
LED 211, 311
MGT 351, 358, 452
OCN 250
PLS 350, 361, 362, 434
PSY 217, 220, 221
REC 359, 372, 451
SED 351, 352
SOC 240, 250, 303, 347, 350

Option Total: 40 Credit Hours

Sustainability Option

a. Foundations (6 credits)

EVS 476 - Topics and Issues in Sustainability

Study of fundamental concepts related to a sustainable society including current global and local issues. Focus on environmental topics (energy, water, climate, soil, forests, food, and population) with consideration of current social and economic issues. Additional Course Fees: Student Blanket Professional Liability Insurance.

Credit Hours: 3

Prerequisite Courses: EVS 195 and EVSL 195
Additional Restrictions/Requirements: Prerequisite courses or consent of the instructor.
Course Repeatability: Course may not be repeated.

GGY 321 - Introduction to Geographic Information Systems

Introduces fundamental concepts and principles of Geographic Information Systems (GIS). Tools, functions, and capabilities of GIS desktop software (e.g. ArcGIS or QGIS) are explained and used to visualize and manipulate geospatial data.

Credit Hours: 3

Prerequisite Courses: GGY 130 or GGY 215 or GLY 101 or GLY 120 or OCN 150 or EVS 195 or EGN 102.
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

b. People (6 credits)

EVS 465 - Education for Sustainable Development

Study of educational strategies and methods for implementing priority action areas of sustainable development goals. Focus on sustainable development education as practiced in the field in different countries under varying circumstances using a case study approach. Evaluation of the relative success of alternative teaching methods related to sustainable development across locations and cultures.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

EVS 468 - Hazards, Risks, and Community Resilience

Overview of natural hazards and disasters, focusing on their social, economic and environmental impacts and the complex and interconnected systems affected by environmental and social change. This course also provides an exploration into alternative and sustainable ways to view, study, and manage hazards in the U.S, as well as disaster-resilient communities, higher environmental quality, inter- and intra-generational equality, economic sustainability, and improved quality of life.

Credit Hours: 3

Additional Restrictions/Requirements: Junior or senior standing, or permission of instructor.
Course Repeatability: Course may not be repeated.

c. Planet (6 credits)

EVS 484 - Agriculture and the Environment

Interdisciplinary exploration of the impacts of crop and animal agriculture on terrestrial, aquatic, and marine environments. Topics include natural habitat impacts, sediment transport, nutrient runoff, land conversion, and concentrated feeding operations. Emphasis on

building student communication skills and competency in critical analysis of current environmental issues.

Credit Hours: 3

Prerequisite Courses: EVS 195.
Course Repeatability: Course may not be repeated.
Additional Course Fees: None

and

EVS 441 - Advanced Environmental Field Methods

Survey of methods, techniques, and tools used to gather and analyze data in environmental fieldwork with application to environmental issues and management. Field trips required. Additional Course Fees: Student Blanket Professional Liability Insurance.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

or

EVS 422 - Marine Environmental Survey Techniques

Introduction to the fundamentals of environmental marine survey techniques for conservation and management purposes. Use of bathymetric, acoustic imaging, underwater video and seabed sampling techniques to collect, process, export and characterize data related to a range of marine environments in coastal North Carolina.Additional Course Fees: Student Blanket Professional Liability Insurance.

Credit Hours: 3

Prerequisite Courses: GGY 321
Additional Restrictions/Requirements: Junior/Senior standing required, or permission of instructor.
Course Repeatability: Course may not be repeated.

or

EVS 433 - Tree and Forest Measurement

Study of forest mensuration including skills needed to take accurate forest measurements using essential forestry tools. Topics include foundations of forestry; forest ecology; essential tree and forest measurements

such as tree age, height, and basal area; and key forestry topics such as tree regeneration, prescribed fire, and forest understory. Additional Course Fees: Student Blanket Professional Liability Insurance.

Credit Hours: 3

Prerequisite Courses: EVS 195, or permission of instructor.
Course Repeatability: Course may not be repeated.

or

EVS 456 - Land Survey Technology for Natural Resource Management

Introduction to the operation and application of land survey technology for natural resource management. Consideration of equipment operation, best practices in natural resource surveys, project planning, and data analysis. Additional Course Fees: Student Blanket Professional Liability Insurance.

Credit Hours: 2

Prerequisite Courses: GGY 321, or permission of

instructor.
Course Repeatability: Course may not be repeated.

d. Economy (6 credits)

EVS 466 - Sustainable Tourism

Introduction to concepts and principles of sustainable tourism development, emphasizing implications for management and planning. Cases from the U.S. and around the world are used to examine and discuss issues and practices of sustainable tourism development within different geocultural contexts.

Credit Hours: 3

Additional Restrictions/Requirements: Junior or senior standing, or permission of instructor.
Course Repeatability: Course may not be repeated.

or

MGT 351 - Green Business and Sustainable Enterprise

Examination of green business and sustainable enterprise from multiple perspectives. Emphasis on how organizations create a sustainable focus in their

productive activities and successfully compete in the eco-friendly marketplace. Particular attention directed to regulatory trends that impact green enterprises, the development of sustainable technologies, and the management of entrepreneurial efforts in green industries.

Credit Hours: 3

Additional Restrictions/Requirements: Junior Standing
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

and

INT 200 - Global Capitalism and its Discontents

An introduction to the history of capitalism, its alternatives, and its benefits and drawbacks in the era of globalization.

Credit Hours: 3

University Studies: Approaches and Perspectives/Historical and Philosophical Approaches,

Approaches and Perspectives/Living in a Global Society, Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

or

INT 363 - Global Political Economy

Explores the dynamic ways in which markets, states, and societies interact with one another, within a context of increasing global economic, political, and cultural interdependence. The course combines a focus on Global Political Economy's main theoretical approaches with the analysis of stringent issues triggered by the expansion and intensification of economic, political, and cultural life at a global level.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

or

PLS 327 - Science, Technology, and Innovation Policy

Contemporary issues in the study and critique of science, technology and innovation policy including an

overview of dynamics at the interface of science, politics and policy. Topic examples include: public and private spending on research and development (R&D), responsible innovation, governing artificial intelligence, science advice, integrity in science, evidence-based decision making, ethics in intellectual property.

Credit Hours: 3

Additional Restrictions/Requirements: Junior or Senior standing.
Course Repeatability: Course may not be repeated.

or

PLS 429 - International Political Economy

Political-economic structures at the international level (trade, finance, and currency) and the impact of the government, business, and human networks that emerge as a result of political-economic interactions between countries.

Credit Hours: 3

Prerequisite Courses: PLS 220
Course Repeatability: Course may not be repeated.

or

ECN 429 - Economics of Growth and Development

Economic principles are developed and applied to evaluate theories of economic growth and development in an international context. Major topics include: Measuring growth, theory of economic growth, the economics of poverty, agricultural issues, health, nutrition, productivity, gender bias, education, and technological change; government failures, migration and population growth, theories of income distribution, human capital theory, social capital theory, the effect of geography on growth, and sustainable development.

Credit Hours: 3

Prerequisite Courses: ECN 222.
Additional Restrictions/Requirements: Prerequisite courses and either admission to Cameron School of Business or declared minor in economics.
University Studies: Building Competencies/Writing

Intensive

Course Repeatability: Course may not be repeated.

Option Electives: 15 credits total, 12 of which must be at the 300-400 level. Maximum of 5 credits allowed from EVS 491, EVS 497, EVS 499 or HON 499. Credits taken to fulfill other parts of the degree may not double count here.

Option Total: 39 Credit Hours

Cross-Disciplinary Option

a. 21 credits in EVS 200-499 not fulfilling other parts of the degree. Maximum of 5 credits from EVS 491, EVS 497, EVS 499, HON 499.

b. 18 additional credits consistent with the career goals of the student. Students are encouraged to select courses leading to a minor or double-major to complement the EVS B.S. degree.

Option Total: 39 Credit Hours

Total Credit Hours: 80-85

Exercise Science, B.S.

Program Coordinator: Alex McDaniel, DHSc, LAT, CSCS I Program Coordinator & Associate Professor

(Exercise Science, B.S. Details I UNCW)

The Exercise Science program is a competency-driven curriculum for students who are interested in applying the scientific principles of exercise, fitness, health and wellness within the clinical, government, corporate, industrial, private, commercial and academic venues. Exercise Science students must complete the exercise science core courses and then, choose one of two concentrations: The Allied Health concentration or The Exercise Physiology Certification concentration. The Allied Health concentration provides a platform leading to careers such as, but not limited to, physical therapy, physician assistant, occupational therapy and clinical exercise physiology. The Exercise Physiology Certification concentration, when combined with nationally-recognized certifications, leads to careers such as, but not limited to, personal training, strength and conditioning specialist, commercial/corporate employee fitness director and exercise physiologist.

Oral Communication Requirement:

To satisfy the oral communication requirement for the B.S. degree in Exercise Science a student must successfully complete EXS 310.

Applied Learning Requirement:

To satisfy the applied learning requirement for the B.S. degree in Exercise Science a student must successfully complete EXS 497.

Requirements for a Major in Exercise Science for the B.S. Degree:

Prerequisites: Exercise Physiology Certification Concentration

Students wishing to declare a major in Exercise Science with the Exercise Physiology Certification Concentration must:

- Complete a minimum of 24 semester hours;
- Achieve a cumulative UNCW GPA of 2.70 or better (transfer students should consult with an EXS advisor);
- Attain a minimum grade of "C" in each of the following courses:

BIO 201 - Principles of Biology: Cells

Introduction to principles governing living systems, especially the cellular and molecular basis of life and the transmission and utilization of genetic information. The lab for this course is BIOL 201.

Credit Hours: 3

Prerequisite or Corequisite Courses: BIOL 201
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

CHM 101 - General Chemistry I

Overview of the fundamental laws, principles and theories of chemistry. A 'C' or better in CHM 101 is required to take certain advanced courses in chemistry.

Credit Hours: 3

Corequisite Courses: CHML 101.
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural

World
Course Repeatability: Course may not be repeated.

CHML 101 - General Chemistry Laboratory I

Introduction to general chemistry laboratory techniques. This course is the lab companion course for general chemistry lecture CHM 101.

Credit Hours: 1

Corequisite Courses: CHM 101.
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

EXS 210 - Introduction to Exercise Science

This foundational course is designed to introduce students to the field of exercise science by providing a curriculum overview, explanation of the sub-disciplines, professional organizations and certifications, and potential careers in the field of Exercise Science and related allied-health professions.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

MAT 150 - Basic Precalculus

Study of fundamental concepts of algebra, functions using graphical and algebraic approaches, and applications that are essential to the study of basic calculus. Covers linear, quadratic, polynomial, rational, radical, piecewise, composite, inverse, exponential, and logarithmic functions. Preparatory course for basic calculus, MAT 151.

Credit Hours: 3

Additional Restrictions/Requirements: No credit granted for MAT 150 after the completion of a MAT course numbered 151 or higher with a grade of C- or better.
University Studies: Foundations/Mathematics and Statistics, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

Prerequisites: Allied Health Concentration

Students wishing to declare a major in Exercise Science with the Allied Health Concentration must:

- Complete a minimum of 24 semester hours;
- Achieve a cumulative UNCW GPA of 3.0 or better (transfer students should consult with an EXS advisor);
- Attain a minimum grade of "C" in the following courses:

BIO 201 - Principles of Biology: Cells

Introduction to principles governing living systems, especially the cellular and molecular basis of life and the transmission and utilization of genetic information. The lab for this course is BIOL 201.

Credit Hours: 3

Prerequisite or Corequisite Courses: BIOL 201
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

CHM 101 - General Chemistry I

Overview of the fundamental laws, principles and theories of chemistry. A 'C' or better in CHM 101 is required to take certain advanced courses in chemistry.

Credit Hours: 3

Corequisite Courses: CHML 101.
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

CHML 101 - General Chemistry Laboratory I

Introduction to general chemistry laboratory techniques. This course is the lab companion course for general chemistry lecture CHM 101.

Credit Hours: 1

Corequisite Courses: CHM 101.
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

EXS 210 - Introduction to Exercise Science

This foundational course is designed to introduce students to the field of exercise science by providing a curriculum overview, explanation of the sub-disciplines, professional organizations and certifications, and potential careers in the field of Exercise Science and related allied-health professions.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

MAT 150 - Basic Precalculus

Study of fundamental concepts of algebra, functions using graphical and algebraic approaches, and applications that are essential to the study of basic calculus. Covers linear, quadratic, polynomial, rational, radical, piecewise, composite, inverse, exponential, and logarithmic functions. Preparatory course for basic calculus, MAT 151.

Credit Hours: 3

Additional Restrictions/Requirements: No credit

granted for MAT 150 after the completion of a MAT course numbered 151 or higher with a grade of C- or better.

University Studies: Foundations/Mathematics and Statistics, Common Requirements/Critical Reasoning

Course Repeatability: Course may not be repeated.

Once admitted to the Exercise Science program, students are required to complete the Exercise Science Core Requirements and one of the Exercise Science Concentrations. The specific requirements are listed below.

Exercise Science Core Requirements (31 credits):

Complete one of the following sequences:

EXS 216 - Human Anatomy and Physiology I

Examines seven of the major organ systems that includes the human integumentary, skeletal, muscular, circulatory, and respiratory structures and functions as related to health and movement.

Credit Hours: 3

Corequisite Courses: EXSL 216

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural Word
Course Repeatability: Course may not be repeated.

EXSL 216 - Human Anatomy and Physiology I Laboratory

EXSL 216 is the study of the anatomical and functional characteristics of the human body including the skeletal, muscular, circulatory, and respiratory systems with emphasis on health and physical activity.

Credit Hours: 1

Prerequisite Courses: Prerequisite or corequisite: EXS 216.
Course Repeatability: Course may not be repeated.

EXS 217 - Human Anatomy and Physiology II

Examines six major organ systems that include the human nervous, endocrine, immune, digestive, urinary and reproductive systems as related to health and movement.

Credit Hours: 3

Corequisite Courses: EXSL 217
Prerequisite Courses: EXS 216
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

EXSL 217 - Human Anatomy and Physiology II Laboratory

EXSL 217 provides the laboratory experience for EXS 217 via examining the anatomy and physiology of the nervous, endocrine, immune, digestive, urinary and reproductive systems including the special senses and metabolism.

Credit Hours: 1

Prerequisite Courses: Prerequisite or corequisite: EXS 217.
Course Repeatability: Course may not be repeated.

OR

BIO 240 - Human Anatomy and Physiology I

Lecture must be taken concurrent with BIOL 240 . An introduction to the human organism with particular emphasis on maintenance of an internal steady state. Tissues, musculoskeletal, nervous, and endocrine systems are stressed. The lab for this course is BIOL 240.

Credit Hours: 3

Corequisite Courses: BIOL 240.
Prerequisite Courses: BIO 201 and CHM 101 and CHML 101.
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

BIOL 240 - Human Anatomy and Physiology Laboratory I

Basic histology, dissections, and physiology experiments to demonstrate principles explored in BIO 240. This course is the lab for BIO 240.

Credit Hours: 1

Prerequisite Courses: Prerequisite or corequisite: BIO 240.
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

BIO 241 - Human Anatomy and Physiology II

A comprehensive study of human organ systems as relates to the maintenance of homeostasis. Topics include cardiovascular, respiratory, digestive, urinary, and reproductive systems. The lab for this course is BIOL 241.

Credit Hours: 3

Corequisite Courses: BIOL 241
Prerequisite Courses: BIO 240
Course Repeatability: Course may not be repeated.

BIOL 241 - Human Anatomy and Physiology Laboratory II

Basic histology, dissections, and physiology experiments to demonstrate principles explored in BIO 241. This course is the lab for BIO 241.

Credit Hours: 1

Prerequisite Courses: Prerequisite or corequisite: BIO 241.
Course Repeatability: Course may not be repeated.

Complete all of the following courses:

EXS 310 - Research Methods in Exercise Science

Methods of research in the field of exercise science. Identification of research problems, sampling methods, data analysis and interpretation, and planning of evaluation studies.

Credit Hours: 3

Prerequisite Courses: EXS 210 with a "C" or better or RSP 324
University Studies: Building Competencies/Writing Intensive, Building Competencies/Information Literacy,

Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

OR

CHHS 411 - Research & Evaluation Methods in Human Services

This course introduces research design and analysis necessary to examine, apply, and utilize science in interdisciplinary human service settings. Course content includes an overview of current issues in knowledge development including the process of research utilization and evidence based practice. The student will conduct analytic critiques of the research literature for scientific merit, synthesize these critiques for application to practice, and develop strategies for providing leadership to make evidence based practice a reality in current and future work settings.

Credit Hours: 3

Prerequisite or Corequisite Courses: SWK 496 with a C or better
Prerequisite Courses: (SWK 321 with a C or better and SWK 496 with a C or better), or EXS 210

with a C or better, or RTH 380 with a C or better, or RSP 300 with a C or better.
Additional Restrictions/Requirements: All prerequisite courses must have a minimum grade of "C" or better.
University Studies: Building Competencies/Writing Intensive, Building Competencies/Information Literacy, Critical Reasoning
Course Repeatability: Course may not be repeated.

EXS 320 - Exercise Physiology

This course is designed to enhance knowledge with respect to the physiological considerations and associated mechanisms related to physical activity, exercise, and performance.

Credit Hours: 3

Corequisite Courses: EXSL 320.
Prerequisite Courses: BIO 201 with a "C" or better, CHM 101 with a "C" or better, CHML 101 with a "C" or better, MAT requirement with a "C" or better (MAT 111 or MAT 112 or MAT 115 or MAT 151 or MAT 161 or MAT 160 with a "C" or better), (EXS 216 with a "C" or

better and EXSL 216 with a "C" or better) or (BIO 240 with a "C" or better and BIOL 240 with a "C" or better) and (EXS 310 with a "C" or better or CHHS 411 with a "C" or better).
Additional Restrictions/Requirements: Restricted to Preexercise Science (PEXS) or Exercise Science (EXS) majors only or permission of instructor at the time the course begins.
University Studies: Critical Reasoning
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

EXSL 320 - Exercise Physiology Laboratory

Laboratory is designed to relate theoretical knowledge attained wihtin EXS 320 into application. Students will experience the skill-related learning outcomes that parallel the American College of Sports Medicine (ACSM) Job Task Analysis (JTA).

Credit Hours: 1

Corequisite Courses: EXS 320
Prerequisite Courses: BIO 201 with a "C" or better, CHM 101 with a "C" or better, CHML 101 with a "C" or

better, MAT requirement with a "C" or better (MAT 111 or MAT 112 or MAT 115 or MAT 151 or MAT 161 or MAT 160 with a "C" or better)
Additional Restrictions/Requirements: Restricted to Preexercise Science (PEXS) or Exercise Science (EXS) majors only or permission of instructor at the time the course begins.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 1

EXS 321 - Biomechanics

Neuromuscular and mechanical principles of human movement with emphasis on movement analysis most often encountered in fitness activities and sport skills.

Credit Hours: 3

Prerequisite Courses: BIO 201 with a "C" or better, CHM 101 with a "C" or better, CHML 101 with a "C" or better, MAT requirement with a "C" or better (MAT 111 or MAT 112 or MAT 115 or MAT 151 or MAT 161 or MAT 160 with a "C" or better), (EXS 216 with a "C" or better and EXSL 216 with a "C" or better) or (BIO 240 with a "C" or better and BIOL 240 with a "C" or better)

and (EXS 310 with a "C" or better OR CHHS 411 with a "C" or better).
Additional Restrictions/Requirements: Restricted to Preexercise Science (PEXS) or Exercise Science (EXS) majors only or permission by instructor at the time the course begins.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

EXS 322 - Sports Nutrition

Relationship of exercise, physical activity, and performance to human nutrition. In-depth information on human energy systems, weight management, macronutrients, micronutrients, and ergogenic aids.

Credit Hours: 3

Prerequisite Courses: BIO 201 with a "C" or better, CHM 101 with a "C" or better, CHML 101 with a "C" or better, MAT requirement with a "C" or better (MAT 111 or MAT 112 or MAT 115 or MAT 151 or MAT 161 or MAT 160 with a "C" or better), EXS 310 with a "C" or better or CHHS 411 with a "C" or better.
Additional Restrictions/Requirements: Restricted to

Preexercise Science (PEXS) or Exercise Science (EXS) majors only or permission of instructor at the time the course begins.

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

EXS 411 - Exercise Prescription I

Concepts of health related physical fitness with emphasis on the design of an individualized exercise program for all ages within an apparently healthy population.

Credit Hours: 3

Corequisite Courses: EXSL 411
Prerequisite Courses: EXS 320 with a "C" or better and EXSL 320 with a "C" or better.
Additional Restrictions/Requirements: Restricted to Exercise Science (EXS) or permission of instructor. Must have minimum cumulative GPA of 2.70.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

EXSL 411 - Exercise Prescription I Laboratory

Concepts of health related physical fitness with emphasis on screening, fitness assessment and the design of an individualized exercise program for all ages within an apparently healthy population.

Credit Hours: 1

Corequisite Courses: EXS 411
Additional Restrictions/Requirements: Restricted to Exercise Science majors only or permission of instructor.

Course Repeatability: Course may not be repeated.

EXS 412 - Facilitating Behavior Change

Study of behavioral principles as they relate to exercise participants, the exercise environment and adherence to a physically active lifestyle. Emphasis on practical application of behavior modification strategies related to exercise adherence.

Credit Hours: 3

Prerequisite Courses: EXS 320 with a "C" or better

and EXSL 320 with a "C" or better.
Additional Restrictions/Requirements: Restricted to Exercise Science (EXS) majors or permission of instructor.
University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

EXS 497 - Advanced Field Experience in Exercise Science

Minimum of 90 hours of supervised applied learning experience in an exercise science-related agency or organization to better understand the depth and breadth of career opportunities in the industry, and to apply academic coursework to meet personal and professional goals.

Credit Hours: 3

Prerequisite Courses: EXS 411 with a "C" or better and EXSL 411 with a "C" or better.
Additional Restrictions/Requirements: Restricted to

Exercise Science (EXS) majors only or permission of instructor.

University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.

Exercise Science Concentrations (22 Credits)

In addition to the Exercise Science Core Requirements, students are required to complete one of the following Exercise Science Concentrations listed below: 1) Exercise Physiology Certification Concentration or 2) Allied Health Concentration.

Exercise Physiology Certification Concentration

Complete all of the following courses:

EXS 313 - Measurement and Evaluation in Exercise Science

Application of measurment and evaluation theories, concepts, and practices to the planning and administration of effective physical activity programs; includes basic statistical techniques and interpretation of data.

Credit Hours: 3

Prerequisite Courses: EXS 210 with a "C" or better.
Course Repeatability: Course may not be repeated.

EXS 314 - Entrepreneurship, Leadership, and Legal Concepts in the Health and Fitness Industry

Introduction to legal aspects of amateur sport and physical activity emphasizing knowledge required of the exercise science and sport professional. Focus upon current terminology, legal procedures and operations, and case studies. Furthermore, this course will focus upon managerial theories and its applications in exercisescience and allied-health organizations. Specific topics include organizational theories, communication, leadership, motivation, managerial skills, functions of management, issues of policies, marketing, and financial aspects of management.

Credit Hours: 3

Prerequisite Courses: EXS 210.
Course Repeatability: Course may not be repeated.

EXS 410 - Essentials of Strength Training and Conditioning I

This course is a comprehensive overview of the scientific foundations of strength and conditioning. Emphasis will be placed on the exercise sciences, including anatomy, exercise physiology, biomechanics, nutrition, and the psychology of performance.

Credit Hours: 3

Prerequisite Courses: Prerequisite: EXS 320 with a "C" or better and EXSL 320 with a "C" or better. Prerequisite or corequisite: EXS 321.
Additional Restrictions/Requirements: Restricted to Exercise Science (EXS) majors only or permission of instructor.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

EXS 420 - Essentials of Strength Training and Conditioning II

This course is designed to provide an in-depth overview of the practical/applied principles of strength and conditioning. Emphasis is placed on applying knowledge of testing and evaluation, exercise techniques, organization and administration and program design.

Credit Hours: 3

Corequisite Courses: EXSL 420
Prerequisite Courses: EXS 410 with a "C" or better.
Additional Restrictions/Requirements: Restricted to Exercise Science (EXS) majors only or permission of instructor.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

EXSL 420 - Essentials of Strength Training and Conditioning II Laboratory

Course is a comprehensive overview of the practical/applied principles of strength and conditioning. Emphasis is placed on developing skills in fitness testing, exercise technique, organization and administration, and program design. Two laboratory

hours each week.

Credit Hours: 1

Corequisite Courses: EXS 420
Additional Restrictions/Requirements: Restricted to Exercise Science (EXS) majors only or permission of instructor.
Course Repeatability: Course may not be repeated.

EXS 421 - Exercise Prescription II

Emphasis on the design of safe and appropriate individualized exercise programs for persons of all ages with acute and chronic health-related conditions. The topics include benefits and risks, screening, pre-exercise evaluations, fitness testing, and exercise prescription.

Credit Hours: 3

Prerequisite Courses: EXS 411 with a "C" or better and EXSL 411 with a "C" or better.
Additional Restrictions/Requirements: Restricted to Exercise Science (EXS) majors only or permission of

instructor.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

HFE 350 - Motor Behavior

Motor skill acquisition, control, and performance. Physiological and psychological principles of human growth and development. Includes analysis of the sequential progression of fundamental motor skills from infancy through adulthood with primary focus on school-age children.

Credit Hours: 3

Prerequisite Courses: (BIO 240 with a C- or better and BIOL 240 with a C- or better) or (EXS 216 with a C- or better and EXSL 216 with a C- or better).
Course Repeatability: Course may not be repeated.

Select a minimum of three credits from the following:

ATR 220 - Functional and Structural Kinesiology

Prerequisite: BIO 201; Corequisites: BIO 240, BIOL 240 and BIO 241, BIOL 241 or EXS 216, EXSL 216 and EXS 217. This course is designed to provide students with a foundation of structural anatomy and basic kinesiology concepts, with a focus on anatomy of the skelton, muscles, and ligaments in relation to functional human movement.

Credit Hours: 3

Corequisite Courses: BIO 240 and BIOL 240 and BIO 241 and BIOL 241 and EXS 216 and EXSL 216 and EXS 217
Prerequisite Courses: BIO 201
Course Repeatability: Course may not be repeated.

ATR 470 - Medical Terminology for Health Professions

The course is designed for students to build a foundational understanding of medical terminology with appropriate application to pathological conditions of the various body systems. Focus on preparing students to use appropriate medical documentation skills consistent with today's allied health care professions.

Credit Hours: 3

Prerequisite Courses: EXS 216 or BIO 240.
Course Repeatability: Course may not be repeated

CHHS 350 - Leadership Skills for Adventure Exercise

This course is a 3-credit hour course designed to provide skills necessary for wilderness travel and outdoor adventure. It will emphasize effective leadership for adventure programming, knowledge of backpacking skills, wilderness and remote first aid, proper physical conditioning, route finding, equipment selection, and an understanding and respect for the environment. This course incorporates lecture sessions followed by an adventure trip, where students can apply course principals and skills. Specifically, we will meet face-to-face for 3 hours weekly over the final 10 weeks of school, experience a 4-day adventure trip over (add specific dates each semester here), and then reflect on the adventure experience upon our return (via online assignment).

Credit Hours: 3

Additional Restrictions/Requirements: This course will require participation in vigorous physical activity (i.e. over ground walking while wearing a backpack equivalent to about 30% of your body weight). Students must complete a Physical Activity Readiness Questionnaire (PAR-Q) on the first day of class. If deemed necessary, students must follow up and get approval to participate in the course from a medical doctor.
Course Repeatability: Course may be repeated.

EXS 200 - Suspension Training System

This foundational course will provide students with fundamental knowledge, technique, and application of the suspension training system. This course will also introduce progressive applications of the suspension training system, specifically, proprioceptive and balance training, relation components to rehabilitiation, and sports specificity.

Credit Hours: 2

Course Repeatability: Course may not be repeated.

EXS 201 - Principles and Application of Group Exercise Instruction

This course is designed to provide theoretical knowledge and practical skills in preparation for group exercise instruction and sitting for a national certification exam in group fitness instruction. Topics include guidelines for instructing safe, effective, and purposeful exercise, essentials of the instructor–participant relationship, principles of motivation to encourage adherence in the group fitness setting, effective instructor-to-participant communication techniques, methods for enhancing group leadership, and the group fitness instructor's (GFI's) professional role.

Course Repeatability: Course may not be repeated.

EXS 292 - Trial Course

EXS 331 - Applied Biomechanics in Strength and Conditioning

Neuromuscular and mechanical principles of human movement with emphasis on movement analysis related to strength and conditioning.

Credit Hours: 3

Prerequisite or Corequisite Courses: EXS 321.
Prerequisite Courses: EXS 310.
Course Repeatability: Course may not be repeated.
Major Restriction Exercise Science

EXS 440 - Selected Topics Exercise Science

Selected topics in exercise science, including exercise prescription and program planning for pediatric, adolescent, adult, and elderly populations.

Credit Hours: 3

Prerequisite Courses: EXS 320 and EXS 313
Additional Restrictions/Requirements: Senior standing.
Course Repeatability: Course may not be repeated.

EXS 491 - Directed Individual Study

Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in the catalogue.

Credit Hours: 1 to 3

Additional Restrictions/Requirements: Junior or senior standing, overall GPA of at least 2.7, and consent of instructor, director and dean.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

EXS 494 - Exercise Science Study Abroad II

This course provides Exercise Science advanced undergraduate study abroad opportunities.

Credit Hours: 1 to 6

Additional Restrictions/Requirements: Instructor approval
University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may be repeated.

HFE 345 - Childhood Obesity

Focuses on the methods used in the assessment, prevention and treatment of childhood obesity. In addition, this course will examine the etiology of obesity and the role that human behaviors and an active lifestyle play in the overall health and well-being of children.

Credit Hours: 3

University Studies: Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.

WPA 210 - Plant-Based Living for Wellness

This course is designed to explore plant-based living including if plant-based diets may offset the world's population growth and environmental concerns related to factory farms and climate change, the role of plant-based lifestyles, physical activity, and stress management in chronic disease prevention, reviewing scientific literature regarding plant-based living, and the principles of planning a healthful whole food plant-based meal plan.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

Allied Health Concentration

Select a minimum of 6 credits from the following:

CHHS 350 - Leadership Skills for Adventure Exercise

This course is a 3-credit hour course designed to provide skills necessary for wilderness travel and outdoor adventure. It will emphasize effective leadership for adventure programming, knowledge of backpacking skills, wilderness and remote first aid, proper physical conditioning, route finding, equipment selection, and an understanding and respect for the environment. This course incorporates lecture sessions followed by an adventure trip, where students can apply course principals and skills. Specifically, we will meet face-to-face for 3 hours weekly over the final 10 weeks of school, experience a 4-day adventure trip over (add specific dates each semester here), and then reflect on the adventure experience upon our return

(via online assignment).

Credit Hours: 3

Additional Restrictions/Requirements: This course will require participation in vigorous physical activity (i.e. over ground walking while wearing a backpack equivalent to about 30% of your body weight). Students must complete a Physical Activity Readiness Questionnaire (PAR-Q) on the first day of class. If deemed necessary, students must follow up and get approval to participate in the course from a medical doctor.
Course Repeatability: Course may be repeated.

EXS 292 - Trial Course

EXS 314 - Entrepreneurship, Leadership, and Legal Concepts in the Health and Fitness Industry

Introduction to legal aspects of amateur sport and physical activity emphasizing knowledge required of the exercise science and sport professional. Focus upon current terminology, legal procedures and operations, and case studies. Furthermore, this course will focus

upon managerial theories and its applications in exercisescience and allied-health organizations. Specific topics include organizational theories, communication, leadership, motivation, managerial skills, functions of management, issues of policies, marketing, and financial aspects of management.

Credit Hours: 3

Prerequisite Courses: EXS 210.
Course Repeatability: Course may not be repeated.

EXS 313 - Measurement and Evaluation in Exercise Science

Application of measurment and evaluation theories, concepts, and practices to the planning and administration of effective physical activity programs; includes basic statistical techniques and interpretation of data.

Credit Hours: 3

Prerequisite Courses: EXS 210 with a "C" or better.
Course Repeatability: Course may not be repeated.

EXS 331 - Applied Biomechanics in Strength and Conditioning

Neuromuscular and mechanical principles of human movement with emphasis on movement analysis related to strength and conditioning.

Credit Hours: 3

Prerequisite or Corequisite Courses: EXS 321.
Prerequisite Courses: EXS 310.
Course Repeatability: Course may not be repeated.
Major Restriction Exercise Science

EXS 410 - Essentials of Strength Training and Conditioning I

This course is a comprehensive overview of the scientific foundations of strength and conditioning. Emphasis will be placed on the exercise sciences, including anatomy, exercise physiology, biomechanics, nutrition, and the psychology of performance.

Credit Hours: 3

Prerequisite Courses: Prerequisite: EXS 320 with a

"C" or better and EXSL 320 with a "C" or better. Prerequisite or corequisite: EXS 321.
Additional Restrictions/Requirements: Restricted to Exercise Science (EXS) majors only or permission of instructor.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

EXS 420 - Essentials of Strength Training and Conditioning II

This course is designed to provide an in-depth overview of the practical/applied principles of strength and conditioning. Emphasis is placed on applying knowledge of testing and evaluation, exercise techniques, organization and administration and program design.

Credit Hours: 3

Corequisite Courses: EXSL 420
Prerequisite Courses: EXS 410 with a "C" or better.
Additional Restrictions/Requirements: Restricted to Exercise Science (EXS) majors only or permission of instructor.

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

EXSL 420 - Essentials of Strength Training and Conditioning II Laboratory

Course is a comprehensive overview of the practical/applied principles of strength and conditioning. Emphasis is placed on developing skills in fitness testing, exercise technique, organization and administration, and program design. Two laboratory hours each week.

Credit Hours: 1

Corequisite Courses: EXS 420
Additional Restrictions/Requirements: Restricted to Exercise Science (EXS) majors only or permission of instructor.
Course Repeatability: Course may not be repeated.

EXS 421 - Exercise Prescription II

Emphasis on the design of safe and appropriate individualized exercise programs for persons of all ages with acute and chronic health-related conditions. The

topics include benefits and risks, screening, pre-exercise evaluations, fitness testing, and exercise prescription.

Credit Hours: 3

Prerequisite Courses: EXS 411 with a "C" or better and EXSL 411 with a "C" or better.
Additional Restrictions/Requirements: Restricted to Exercise Science (EXS) majors only or permission of instructor.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

EXS 491 Directed Individual Study **
EXS 494 - Exercise Science Study Abroad**
**EXS 491 or EXS 494 may only contribute 3 credits toward this requirement.

Select a minimum of 16 credits from the following:

ANT 206 - Cultural Anthropology

A presentation of the content and historical development of cultural anthropology. Deals with the cultural relativism, ethnocentrism, institutional analysis and cultural integration and shifts in theoretical

perspectives by comparing ethnographies of selected cultures.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

ATR 470 - Medical Terminology for Health Professions

The course is designed for students to build a foundational understanding of medical terminology with appropriate application to pathological conditions of the various body systems. Focus on preparing students to use appropriate medical documentation skills consistent with today's allied health care professions.

Credit Hours: 3

Prerequisite Courses: EXS 216 or BIO 240.
Course Repeatability: Course may not be repeated

BIO 202 - Principles of Biology: Biodiversity

Evolution, classification, and diversity of life, stressing morphology, physiology, principles of adaptation, and relationships between biotic and abiotic components of ecosystems. The lab for this course is BIOL 202.

Credit Hours: 3

Prerequisite or Corequisite Courses: BIOL 202
University Studies: Building Competencies/Information Literacy, Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

BIO 246 - Microbiology of Human Diseases

An introduction to and survey of the biology of pathogenic microorganisms responsible for human infectious diseases including: bacteria, viruses, fungi, single-celled protozoans, and parasitic worms, with an emphasis on transmission, diagnosis, prevention, and clinical management. The lab for this course is BIOL 246.

Credit Hours: 3

Prerequisite Courses: BIO 201 and CHM 101 and CHML 101.
Course Repeatability: Course may not be repeated.

BIOL 246 - Microbiology of Human Diseases Laboratory

Must be taken after or concurrent with BIO 246 lecture. An introduction to basic microbiological laboratory techniques necessary to isolate, identify, stain, culture, and control microorganisms of interest. Special emphasis is placed upon clinical applications through research and completion of historical and clinical case studies. This course is the lab for BIO 246.

Credit Hours: 1

Prerequisite Courses: Prerequisite or corequisite: BIO 246.
Course Repeatability: Course may not be repeated.

BIO 330 - Microbiology

Study of pathogenic and nonpathogenic microorganisms with emphasis on the biology of

bacteria and viruses. The lab for this course is BIOL 330.

Credit Hours: 3

Prerequisite Courses: BIO 201 and BIO 202.
Course Repeatability: Course may not be repeated.

BIOL 330 - Microbiology Laboratory

Introduction to basic microbiological laboratory techniques. Experience in laboratory approaches to introduce basic laboratory skills in microbial cultures, staining, biochemical assays, and microorganism identification. This course is the lab for BIO 330. This course is the lab for BIO 330.

Credit Hours: 2

Prerequisite or Corequisite Courses: BIO 330
University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

BIO 335 - Genetics

Principles of Mendelian inheritance, gene action and molecular genetics, and population genetics. The lab for this course is BIOL 335.

Credit Hours: 3

Prerequisite Courses: BIO 201 and BIO 202
Course Repeatability: Course may not be repeated.

BIOL 335 - Genetics Laboratory

This course examines major genetic concepts and relationships between those concepts. Students will design, execute, and interpret experiments relating DNA to phenotype and investigate genetic interactions in metabolic pathways. Students will analyze and present experimental results, incorporating relevant literature and information from large-scale public genome repositories. This course is the lab for BIO 335.

Credit Hours: 1

Prerequisite Courses: Prerequisite or corequisite: BIO 335.

University Studies: Building Competencies/Writing Intensive, Building Competencies/Information Literacy, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

BIO 465 - Biochemistry

Chemical properties and metabolism of amino acids, proteins, carbohydrates, lipids, and nucleic acids; enzymes kinetics; bioenergetics regulatory mechanisms. The lab for this course is BIOL 465.

Credit Hours: 3

Prerequisite Courses: BIO 201 and BIO 202 and CHM 211
Additional Restrictions/Requirements: Junior or senior standing.
Course Repeatability: Course may not be repeated.

BIOL 465 - Biochemistry Laboratory

Experiments demonstrating basic phenomena and techniques of biochemistry. This course is the lab for BIO 465.

Credit Hours: 1

Prerequisite Courses: Prerequisite or corequisite: BIO 465.
Course Repeatability: Course may not be repeated.

CHM 102 - General Chemistry II

Study of the fundamental laws, principles and theories of chemistry. Introduction to inorganic chemistry. Interpretation of experimental results. A 'C' or better in CHM 102 is required to take certain advanced courses in chemistry.

Credit Hours: 3

Corequisite Courses: CHML 102.
Prerequisite Courses: CHM 101 and CHML 101.
Course Repeatability: Course may not be repeated.

CHML 102 - General Chemistry Laboratory II

Introduction to techniques and equipment used in the chemical laboratory. Interpretation of experimental results. This course is the lab for CHM 102 .

Credit Hours: 1

Corequisite Courses: CHM 102.
Prerequisite Courses: CHML 101, CHM 101.
Course Repeatability: Course may not be repeated.

CHM 211 - Organic Chemistry I

Introduction to the chemistry of carbon compounds, including structure, reactions, mechanisms, and the concepts of organic synthesis. It is strongly recommended that students take the lab (CHML 211) concurrently with the lecture. The lab for this course is CHML 211.

Credit Hours: 3

Prerequisite Courses: CHM 102
Course Repeatability: Course may not be repeated.

CHML 211 - Organic Chemistry Laboratory I

Introduction to reactions of organic compounds and basic laboratory techniques. This course is the lab for CHM 211.

Credit Hours: 1

Prerequisite or Corequisite Courses: CHM 211.
Prerequisite Courses: CHML 102
Course Repeatability: Course may not be repeated.

HFE 345 - Childhood Obesity

Focuses on the methods used in the assessment, prevention and treatment of childhood obesity. In addition, this course will examine the etiology of obesity and the role that human behaviors and an active lifestyle play in the overall health and well-being of children.

Credit Hours: 3

University Studies: Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.

HFE 350 - Motor Behavior

Motor skill acquisition, control, and performance. Physiological and psychological principles of human growth and development. Includes analysis of the

sequential progression of fundamental motor skills from infancy through adulthood with primary focus on school-age children.

Credit Hours: 3

Prerequisite Courses: (BIO 240 with a C- or better and BIOL 240 with a C- or better) or (EXS 216 with a C- or better and EXSL 216 with a C- or better).
Course Repeatability: Course may not be repeated.

HFE 415 - Adapted Physical Activity

Provide students theoretical and practical knowledge to plan and implement appropriate physical activity programs for individuals with disabilities in integrated and inclusive settings.

Credit Hours: 0

Prerequisite Courses: (EXS 216 with a C- or better and EXSL 216 with a C- or better) or (BIO 240 with a C- or better and BIOL 240 with a C- or better).
Additional Restrictions/Requirements: Senior standing, prerequisite courses, or consent of instructor.

University Studies: Writing Intensive, Information Literacy
Course Repeatability: Course may not be repeated.
Additional Course Fees: Additional Fee - General Professional Internship Liability Insurance Additional Course Fee Schedule

PAR 215 - Medical Ethics: Life and Death Decisions in Health Care

Examination of the principles and problems in the application of ethical theory to medical research and practice.

Credit Hours: 3

University Studies: Approaches and Perspectives/Historical and Philosophical Approaches
Course Repeatability: Course may not be repeated.

PHY 101 - Elementary College Physics I

First semester of a two semester algebra-based introduction to the fundamental principles of physics. Topics include kinematics, Newtonian statics and dynamics, gravitation, oscillations, and mechanical

waves.

Credit Hours: 4

Prerequisite or Corequisite Courses: MAT 111 or MAT 112 or MAT 150 or MAT 151 or MAT 160 or MAT 161
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

PHY 102 - Elementary College Physics II

Second semester of a two semester algebra-based introduction to the fundamental principles of physics. Topics include electric and magnetic fields, circuits, electromagnetic waves, and optics.

Credit Hours: 4

Prerequisite Courses: PHY 101
Course Repeatability: Course may not be repeated.

PSY 220 - Child Psychology

Human psychological development through childhood and early adolescence. Normal development is emphasized.

Credit Hours: 3

Prerequisite Courses: PSY 105
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

PSY 223 - Life Span Human Development

Variables and factors underlying human growth and development across the life span. Physical, cognitive, social, emotional, and sexual developments are emphasized.

Credit Hours: 3

Prerequisite Courses: PSY 105
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

PSY 247 - Abnormal Psychology

An introduction to the symptoms and sequelae of behavioral disorders and major theories of the science of psychopathology or abnormal psychology.

Credit Hours: 3

Prerequisite Courses: PSY 105
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

PSY 324 - Psychology of Aging

A study of the psychological aspects of human aging. Topics include the effects of normal and diseased aging on perceptual and cognitive functioning, personality and social relationships, and physical and emotional health.

Credit Hours: 3

Prerequisite Courses: PSY 220 or PSY 221 or PSY 223
Additional Restrictions/Requirements: Prerequisite courses or consent of the instructor.

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

*May apply no more than 6 credits from PSY courses to the Allied Health Concentration requirements.

SOC 215 - Modern Social Problems

Contemporary social issues and conditions viewed as problematic, such as racism, sexism, crime, poverty, war, alienation, and deviance.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

STT 210 - Introduction to Statistics with Applications in the Health Sciences

Topics include descriptive statistics, probability, probability distributions, sampling distributions, confidence intervals, hypothesis testing, correlation and

regression. Instruction tailored to applications in the health sciences.

Credit Hours: 3

University Studies: Foundations/Mathematics and Statistics
Course Repeatability: Course may not be repeated.

STT 215 - Introduction to Statistics

Methods of data collection; numerical and graphical analyses of univariate and bivariate data; axioms of probability; conditional probability; independence; distributions of random variables; introduction to confidence intervals and hypothesis testing; simple linear regression and correlation; use of statistical software to analyze data and simulate random variables.

Credit Hours: 3

University Studies: Foundations/Mathematics and Statistics
Course Repeatability: Course may not be repeated.

Total Credits: 67 credits

Additional Information:

A grade of "C" (2.00) or better is required in each course within the Exercise Science major requirements (core and concentration areas). Students must provide current written documentation of adult first aid and CPR (including AED) certifications during the term they expect to graduate.

Film Studies, B.A.

The film studies major prepares students to participate in a world increasingly shaped by moving pictures. The major is founded on the principle that the study of cinema and the artistic production of motion pictures complement one another, and all film studies majors perform substantial work in both areas. Through courses that offer a foundation for understanding cinema—and its relation to culture, history, technology and aesthetics—the film studies major teaches students to create and analyze moving images, to produce research, and to make art.

Admission Requirements

Admission to the Film Studies (FST) major is based solely upon a student's grade in FST 200 - Introduction to Film Study, the department's foundational course, which teaches and evaluates skills that students use in all other courses in the Film Studies major. Students who earn a "C" or better in FST 200 will be admitted to the major upon application.

To apply to the FST major, students must first declare a PFST (pre-Film Studies) major. Upon earning a "C" or better in FST 200, students may then declare the FST major. For purposes of admission to the FST major, the department only credits students' first or second grade in FST 200 (i.e., students may repeat the course once).

Students seeking an internship course in film studies must have a minimum of 12 hours in previous film studies courses, junior or senior standing, and an overall grade-point average of 3.0 or better. To enroll in an internship course, students must submit an application to receive permission from the chair of the Department of Film Studies.

A student in film studies must complete all requirements for the major with an overall 2.00 GPA or better.

Competency Requirements for a Major in Film Studies for the B.A. Degree:

Oral Communication Requirement:

To satisfy the oral communication requirement for the B.A. in Film Studies, a student must successfully complete FST 495 or FST 496.

Applied Learning Requirement:

To satisfy the applied learning requirement for the B.A. in Film Studies, a student must successfully complete one of the following courses: FST 301, FST 302, FST 363, FST 451, FST 493, FST 495, or FST 498.

Writing Requirement:

To satisfy the writing requirement for the B.A. in Film Studies, a student must successfully complete one of the following courses: FST 317 (ENG 317), FST 363, FST 367, FST 368, FST 440, FST 445, FST 480, FST 496, or another course designated by the department as "writing intensive."

Course Requirements for a Major in Film Studies for the B.A. Degree:

The major consists of 47 hours, distributed as follows. No course may satisfy more than one Course Requirement within the major. However, a course that satisfies a Course Requirement may also be used to satisfy one or more Competency Requirements for the major.

Three Core courses:

FST 200 - Introduction to Film Study

Introduction to film study, including analysis of cinematography, editing, mise-en-scène, sound, and narrative. Films drawn from various national cinemas, representing diverse styles, periods, and genres. Intended for prospective majors in film studies.

Credit Hours: 4

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives
Course Repeatability: Course may not be repeated.

FST 201 - Introduction to Film Production

Study and application of cinematic concepts and techniques. Students complete a series of collaborative exercises exploring narrative, documentary, and experimental film forms.

Credit Hours: 4

Prerequisite Courses: Prerequisite or corequisite: FST 200.
Additional Restrictions/Requirements: Restricted to PFST or FST majors.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.
Additional Course Fee Schedule

Major Restriction Pre-Film Studies or Film Studies

FST 205 - Introduction to World Cinema

Survey of key tendencies in international cinema from the silent era to the present. Case studies include films from Europe, the Soviet Union, Asia, Africa, and the Americas, examined within their historical contexts.

Credit Hours: 3

Prerequisite Courses: FST 200
Additional Restrictions/Requirements: Restricted to FST majors.
University Studies: Living in a Global Society
Course Repeatability: Course may not be repeated.

Two Film History courses:

FST 370 - Early Cinema

Historical overview of pre-cinema and pre-sound cinema, situating early filmmaking in its technological, stylistic, and critical contexts.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: FST 205, or permission of instructor.
University Studies: Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

FST 371 - History of Documentary Film

Historical overview of non-fiction filmmaking. Emphasizes critical approaches to documentary film practices and traditions.

Credit Hours: 3

Prerequisite Courses: Prequisite or corequisite: FST 205, or permission of instructor.
University Studies: Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

FST 372 - History of Avant-Garde Film

Historical overview emphasizing critical approaches to avant-garde film practices.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: FST 205, or permission of instructor.
University Studies: Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

FST 373 - History of Animation

Historical overview of modes, traditions, and theories of animation.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: FST 205, or permission of instructor.
University Studies: Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

FST 375 - Studies in Global Film History

Historical overview of an international cinema or a period in global cinema. Teaches approaches to film historiography. May be repeated under different subtitles.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: FST 205, or permission of instructor.
University Studies: Building Competencies/Information Literacy

Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

FST 376 - American Cinema 1927-1960

History and aesthetics of American cinema from the beginning of sound film until the break-up of the studio system, focusing on the height of the Hollywood studio era. Classical genres and styles, and prominent Hollywood filmmakers.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: FST 205, or permission of instructor.
University Studies: Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

FST 377 - American Cinema Since 1961

History and aesthetics of American cinema since the end of the studio era, emphasizing the continuities and breaks with the "Classical Hollywood Cinema."

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: FST 205, or consent of instructor.
University Studies: Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

FST 378 - History of New Wave Cinemas

Historical overview of New Wave Cinemas, a transnational response to classical filmmaking. Emphasizes critical approaches to New Wave film practices.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: FST 205, or consent of instructor.
University Studies: Approaches and Perspectives/Living in a Global Society, Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

FST 379 - Studies in Film History

Historical overview of a major period in film. Approaches to film historiography. May be repeated under different subtitles.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: FST 205, or permission of instructor.
University Studies: Building Competencies/Information Literacy
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

FST 381 - History of Russian and Soviet Cinema

Survey of Russian and Soviet cinema from the 1900s to the present, focusing on Sergei Eisenstein, Dziga Vertov, Andrei Tarkovsky, and other directors, as well as the cultural, political, and economic forces that influenced their films.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: FST 205, or permission of instructor.

University Studies: Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

FST 475 - Advanced Studies in Global Film History

Advanced study of an international cinema or a period in global cinema. Teaches approaches to film historiography. May be repeated under different subtitles.

Credit Hours: 3

Prerequisite Courses: FST 205
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
University Studies: Building Competencies/Information Literacy
Crosslisting: FST 579, FST 589
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

FST 479 - Advanced Studies in Film History

Advanced study of a major period in film. Teaches approaches to film historiography. May be repeated under different subtitles.

Credit Hours: 3

Prerequisite Courses: FST 205
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
University Studies: Building Competencies/Information Literacy
Crosslisting: FST 579
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

One Global Cinema course:

FST 375 - Studies in Global Film History

Historical overview of an international cinema or a period in global cinema. Teaches approaches to film historiography. May be repeated under different subtitles.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: FST 205, or permission of instructor.
University Studies: Building Competencies/Information Literacy
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

FST 378 - History of New Wave Cinemas

Historical overview of New Wave Cinemas, a transnational response to classical filmmaking. Emphasizes critical approaches to New Wave film practices.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: FST 205, or consent of instructor.
University Studies: Approaches and Perspectives/Living in a Global Society, Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

FST 380 - Introduction to Bollywood Cinema

Survey of India's Bollywood cinema from the silent period to the present. Emphasizes historical and critical approaches to Bollywood cinema, as well as studies of censorship, cinephilia, and popular visual culture.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: FST 205, or permission of instructor.
Course Repeatability: Course may not be repeated.

FST 381 - History of Russian and Soviet Cinema

Survey of Russian and Soviet cinema from the 1900s to the present, focusing on Sergei Eisenstein, Dziga Vertov, Andrei Tarkovsky, and other directors, as well as the cultural, political, and economic forces that influenced their films.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: FST 205, or permission of instructor.
University Studies: Building

Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

FST 382 - Contemporary Latin American Cinema

Critical examination of the production and distribution of contemporary Latin American film, with an emphasis on film style, genre, economics, and globalization.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: FST 205, or permission of instructor.
University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

FST 383 - Introduction to Latin American Cinema

Survey of the history and aesthetics of Latin American film, from the "Golden Age" of Mexican cinema to the development of the New Latin American Cinema of the 1960s, up to more recent work of the contemporary renaissance.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: FST 205, or permission of instructor.
University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

FST 384 - Contemporary French Cinema

Recent tendencies in French cinema, including new filmmakers, movements, genres, critical approaches, theories, formats, and filmmaking styles.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: FST 205, or permission of instructor.
Course Repeatability: Course may not be repeated.

FST 385 - Japanese Cinema

Japanese cinema from the classical period to the present day. Emphasizes critical and historical approaches to Japanese cinema, as well as studies of

key filmmakers, including Kurosawa, Mizoguchi, Ozu, Suzuki, and Kitano.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: FST 205, or permission of instructor.
Course Repeatability: Course may not be repeated.

FST 386 - Introduction to German Cinema

Analysis of films from the "Golden Age" of the Weimar Republic, the Third Reich, the New Wave, East German films, and current German and Austrian cinema. Works by Lang, Riefenstahl, Wenders, Reitz, Fassbinder, von Trotta, and recent films.

Credit Hours: 3

Additional Restrictions/Requirements: Restricted to FST majors or consent of instructor.
Crosslisting: GER 385
Course Repeatability: Course may not be repeated.

FST 387 - Introduction to French Cinema

Analysis of selected films from the silent era to the present, including the classical period, the New Wave, Francophone cinema, and recent French cinema, situated in their historical contexts.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: FST 205, or permission of instructor.
Course Repeatability: Course may not be repeated.

FST 389 - Studies in World Cinema

Study of a selected topic in world cinema. May be repeated under different subtitles.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: FST 205, or permission of instructor.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

FST 475 - Advanced Studies in Global Film History

Advanced study of an international cinema or a period in global cinema. Teaches approaches to film historiography. May be repeated under different subtitles.

Credit Hours: 3

Prerequisite Courses: FST 205
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
University Studies: Building Competencies/Information Literacy
Crosslisting: FST 579, FST 589
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

FST 480 - Special Topics in World Cinema

Advanced study of a selected topic in world cinema. May be repeated under a different subtitle.

Credit Hours: 3

Prerequisite Courses: FST 205
Additional Restrictions/Requirements: Prerequisite

course or consent of instructor.
University Studies: Building Competencies/Writing Intensive
Crosslisting: FST 589
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

One Comprehensive Production Practicum:

FST 301 - Film Tools and Techniques

Instruction in the techniques and technologies of digital filmmaking, including camera, lenses, lighting, grip, sound, and set protocol.

Credit Hours: 3

Prerequisite Courses: FST 201
Additional Restrictions/Requirements: Restricted to FST majors, or consent of instructor.
Course Repeatability: Course may not be repeated.
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

FST 302 - Intermediate Film Production

A comprehensive practicum in motion picture preproduction, production, and post-production, concentrating on documentary, narrative or experimental cinema. May be repeated under different subtitles.

Credit Hours: 3

Prerequisite Courses: FST 201
Additional Restrictions/Requirements: Restricted to FST majors or consent of instructor.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

Two Film Production courses:

FST 220 - 3-D Computer Graphics Tools and Literacy

Project-based approach to learning fundamental principles of 3-D computer graphics using high-level software tools. Modeling of objects, geometrical transformations, surface algorithms, lighting and shading, alternative rendering techniques, and

providing background skills necessary to create animated movies.

Credit Hours: 3

Prerequisite Courses: Prerequisite: CSC 112 or CSC 131. Prerequisite or corequisite: ART 260 or ART 282.
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Crosslisting: ART 220, CSC 220
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 3

FST 301 - Film Tools and Techniques

Instruction in the techniques and technologies of digital filmmaking, including camera, lenses, lighting, grip, sound, and set protocol.

Credit Hours: 3

Prerequisite Courses: FST 201
Additional Restrictions/Requirements: Restricted to FST majors, or consent of instructor.
Course Repeatability: Course may not be repeated.

Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

FST 302 - Intermediate Film Production

A comprehensive practicum in motion picture preproduction, production, and post-production, concentrating on documentary, narrative or experimental cinema. May be repeated under different subtitles.

Credit Hours: 3

Prerequisite Courses: FST 201
Additional Restrictions/Requirements: Restricted to FST majors or consent of instructor.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

FST 318 - Screenwriting I: Introduction to Screenwriting

Theory and practice of screenwriting with an emphasis on the fundamentals of narrative structure. Students

write original scripts, including a short screenplay for possible use in FST 495.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: FST 201; or CRW 207 or CRW 208 or CRW 209.
Additional Restrictions/Requirements: Restricted to FST majors, PCRW or CRW majors, or consent of instructor.
Crosslisting: CRW 318
Course Repeatability: Course may not be repeated.

FST 320 - Computer Animation

Basic principles of animation using 3-D computer-generated animation and basic processes for animating synthetic objects through structured exercises. Principles of designing and producing 3-D computer-generated animation through the creation of advanced motion studies. Projects focus on developing higher-level skills in model building, animation and color, and lighting.

Credit Hours: 3

Prerequisite Courses: FST 220
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Crosslisting: ART 320, CSC 320
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 3

FST 330 - Producing

Focuses on duties of a producer through a project "life cycle": development, financing, pre-production, production, post-production, marketing, and distribution. Emphasizes production management, budgeting, and scheduling. May be repeated under a different subtitle.

Credit Hours: 3

Prerequisite Courses: FST 201
Additional Restrictions/Requirements: Restricted to FST majors or consent of instructor.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6

Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

FST 331 - Introduction to Editing

An introduction to the techniques and aesthetics of non-linear motion picture editing.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: FST 201, or permission of instructor.
Course Repeatability: Course may not be repeated.
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

FST 334 - 6x1: Variations on the One-Minute Film

Instruction and practice in alternative/experimental forms of filmmaking (16mm hand-processing, stop motion animation, cameraless filmmaking, and collage) through the creation of six 1-minute projects.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: FST 201, or permission of instructor.
Course Repeatability: Course may not be repeated.
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

FST 335 - Acting for the Camera

Explores acting techniques particular to the mediums of film and video.

Credit Hours: 3

Prerequisite Courses: THR 231 or THR 332
Additional Restrictions/Requirements: Prerequisite courses or consent of instructor.
Crosslisting: THR 335
Course Repeatability: Course may not be repeated.
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

FST 393 - Sound Recording

Instruction in the techniques, aesthetics, and equipment for recording sound for motion pictures.

Credit Hours: 3

Prerequisite Courses: FST 201
Additional Restrictions/Requirements: Restricted to FST majors or consent of instructor.
Course Repeatability: Course may not be repeated.
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

FST 394 - Sound Design

Instruction in creating motion picture soundtracks and in techniques and aesthetics of sound editing and mixing.

Credit Hours: 3

Prerequisite Courses: FST 201
Additional Restrictions/Requirements: Restricted to FST majors or consent of instructor.
Course Repeatability: Course may not be repeated.

FST 396 - Studio Seminar in Film Production

Introduction to the process of studio film production, from development to distribution. Topics include

locations, production design, casting, cinematography, make-up, costume design, film sound and scoring, editing, and post-production. Lecture and discussion, guest speakers, and on-site observation at Screen Gems Studios and other filmmaking sites in Wilmington.

Credit Hours: 3

Additional Restrictions/Requirements: Restricted to FST majors or consent of instructor.
Course Repeatability: Course may not be repeated.
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

FST 398 - Practicum in Film Production

Selected topics in film production. May be repeated under different subtitles.

Credit Hours: 1 To 3

Prerequisite Courses: FST 201
Additional Restrictions/Requirements: Restricted to FST major or consent of instructor.

Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

FST 399 - Film Directing

In-class exercises focusing on scene dynamics, communicating with actors, blocking, and capturing action and performance with the camera.

Credit Hours: 3

Prerequisite Courses: FST 201
Additional Restrictions/Requirements: Restricted to FST majors or consent of instructor.
Course Repeatability: Course may not be repeated.
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

FST 401 - Advanced Practicum in Cinematography

Selected topics in advanced cinematography. May be repeated under different subtitles.

Credit Hours: 3

Prerequisite Courses: FST 301
Crosslisting: FST 501
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 9

FST 415 - Topics in Environmental Film Production

Instruction in production practices as they apply to themes of the environment and ecology. May be repeated under different subheadings.

Credit Hours: 3

Prerequisite Courses: FST 301 or FST 302.
Additional Restrictions/Requirements: Permission of instructor
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 9 **Repeat Limit:** 2

FST 416 - Advanced Practicum in Film Production

Selected topics in advanced film production. May be repeated under different subtitles.

Credit Hours: 3

Prerequisite Courses: FST 301 or FST 302
Crosslisting: FST 516
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

FST 418 - Screenwriting II: Writing the Feature Film

The craft of screenwriting applied to the feature form.

Credit Hours: 3

Prerequisite Courses: FST 318
Additional Restrictions/Requirements: Restricted to CRW or FST majors or consent of instructor.
Crosslisting: CRW 418, FST 518
Course Repeatability: Course may not be repeated.

FST 419 - Screenwriting III: Film Adaptation

Writing, revision, and completion of screen adaptation of literary work.

Credit Hours: 3

Prerequisite Courses: FST 318
Additional Restrictions/Requirements: Restricted to CRW or FST majors or consent of instructor.
Crosslisting: CRW 419, FST 519
Course Repeatability: Course may not be repeated.

FST 430 - Digital Visual Effects

Exploration of digital image and video representation and manipulation for motion-picture visual effects. Includes image storage and compression, film and video formats, compositing, filtering, scripting for graphics and visual effects, photorealistic lighting and rendering, virtual cinematography, camera tracking, and particle effects.

Credit Hours: 3

Prerequisite Courses: CSC 320, or ART 320, or FST 320.

Crosslisting: CSC 430, FST 522.
Course Repeatability: Course may not be repeated.
Additional Course Fee Schedule

FST 432 - Expanded Cinema

Modes of media production in expanded cinema. Topics may include video installation, video mapping, building interactive media environments, creating experimental animations, and live cinema. May be repeated under different subheadings.

Credit Hours: 3

Prerequisite Courses: FST 201
Additional Restrictions/Requirements: Junior or Senior standing, permission of instructor
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 9 **Repeat Limit:** 2

FST 433 - Modes of Animation Production

Applied instruction in selected animation forms and techniques. Topics might include motion graphics, gif animation and character animation. May be repeated under different subtitles.

Credit Hours: 3

Prerequisite Courses: FST 201.
Additional Restrictions/Requirements: Junior or Senior standing, permission of instructor
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 9 **Repeat Limit:** 2

FST 493 - Directed Seminar in Production

Students work under the direction of a faculty filmmaker to create a motion picture.

Credit Hours: 3

Prerequisite Courses: FST 301 or FST 302
Additional Restrictions/Requirements: Prerequisite course and 3 additional hours of production at the 300 level or above, and consent of the chair of Film Studies.
Crosslisting: FST 517
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6 **Repeat Limit:** 1
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

FST 495 - Senior Seminar in Film Production

Collaborative production of a short experimental, documentary, narrative, or animated motion picture. May be repeated under different subtitles.

Credit Hours: 3

Prerequisite Courses: FST 301 or FST 302
Additional Restrictions/Requirements: Prerequisite course and consent of the chair of Film Studies.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

FST 497 - Applied Post Production

Hands-on application of editing theory and post-production techniques, practices, and technology. Students create a finished film using raw footage from previousFST 495 projects; exceptions upon approval.

Credit Hours: 3

Prerequisite Courses: FST 331

Additional Restrictions/Requirements: Prerequisite course and consent of the chair of Film Studies.
Course Repeatability: Course may not be repeated.
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

FST 498 - Internship in Film Studies

Study and practical work experience related to film studies, supervised and evaluated by faculty. May be repeated with permission of the chair of Film Studies.

Credit Hours: 3

Additional Restrictions/Requirements: Junior or senior standing, consent of chair of Film Studies, an overall 3.00 minimum GPA, and a minimum of 12 hours in film studies (FST courses).
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

THR 230 - Acting For Non-Majors

An introduction to basic acting techniques for non-majors.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

Two Capstone Courses

One Capstone in Film Production:

FST 493 - Directed Seminar in Production

Students work under the direction of a faculty filmmaker to create a motion picture.

Credit Hours: 3

Prerequisite Courses: FST 301 or FST 302
Additional Restrictions/Requirements: Prerequisite course and 3 additional hours of production at the 300

level or above, and consent of the chair of Film Studies.
Crosslisting: FST 517
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6 **Repeat Limit:** 1
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

FST 495 - Senior Seminar in Film Production

Collaborative production of a short experimental, documentary, narrative, or animated motion picture. May be repeated under different subtitles.

Credit Hours: 3

Prerequisite Courses: FST 301 or FST 302
Additional Restrictions/Requirements: Prerequisite course and consent of the chair of Film Studies.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

FST 497 - Applied Post Production

Hands-on application of editing theory and post-production techniques, practices, and technology. Students create a finished film using raw footage from previousFST 495 projects; exceptions upon approval.

Credit Hours: 3

Prerequisite Courses: FST 331
Additional Restrictions/Requirements: Prerequisite course and consent of the chair of Film Studies.
Course Repeatability: Course may not be repeated.
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

One Capstone in Critical Studies:

FST 496 - Senior Seminar in Film Study

Intensive study of a major topic in film studies. Emphasis on individualized work, which may include reports, a longer research project, or a research essay. May be repeated under different subtitles.

Credit Hours: 3

Prerequisite Courses: FST 205

Additional Restrictions/Requirements: Prerequisite course, junior or senior standing, or consent of instructor.
University Studies: Building Competencies/Writing Intensive, Common Requirements/Critical Reasoning
Crosslisting: FST 569
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

Electives:

12 hours selected from courses with FST prefix at the 200, 300, or 400 level

Total: 47 hours

French, B.A.

Oral Communication Requirement:

To satisfy the oral communication requirement for the B.A. degree in French a student must successfully complete FRH 301.

Applied Learning Requirement:

To satisfy the applied-learning requirement for foreign language, a student must complete 6 credit hours of

study abroad (at the intermediate level or above) or 3 credit hours of internship, directed individual study, practicum, honors, or service learning.

Requirements for a Major in French for the B.A. Degree:

Including FRH 201-FRH 202 or the equivalent and thirty hours at the 300-400 level of which at least 6 hours must be at the 400 level. FRH 294, FRH 394, and FRH 494 may be repeated under different subtitles. Only 3 of the hours at the 400 level may be obtained by means of a FRH 491 or FRH 498.

Total: 36 hours

Additional Information:

A grade of "C-" or better is required in each course counted toward the major and a grade point average of 2.000 or better for all courses counted towards the major. Also required is a passing score on the departmental French oral proficiency exam.

Geography and Geospatial Sciences, B.A.

The B.A. in Geography and Geospatial Sciences is a flexible program that meets a wide variety of personal educational goals and interests. Geographers study all aspects of places (including physical, environmental, and societal patterns), analyzing geospatial data to address changing patterns through time. The B.A. in Geography and Geospatial Science is commonly combined with a second major or minor to define a specific area of focus, and prepares students for careers and graduate study in geospatial, earth and environmental sciences.

Oral Communication Requirement:

To satisfy the oral communication requirement for the B.A. degree in Geography and Geospatial Sciences a student must successfully complete GGY 395.

Applied Learning Requirement:

To satisfy the applied learning requirement for the B.A. degree in Geography and Geospatial Sciences a student must successfully complete one of the following courses: GGY 322, GGY 333, GGY 335, GGY 424, GGY 426, GGY 428, GGY 433, GGY 437, GGY

473, GGY 491, GGY 494, GGY 498, GGY 499, GLY 390 or OCN 390.

Requirements for a Major in Geography and Geospatial Sciences for the B.A. Degree:

Core requirements:

GGY 101 - Modern World Geography

The theory, techniques, and professional applications of modern geographic science. Examines geography as a broad interdisciplinary science focused on places, spatial patterns, and the intersection between human activities and the natural world. Includes discussion of the historical origins and modern relevance of geographic thought.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

GGY 130 - Geosystems

Spatial distribution of environmental elements and processes, including weather and climate, groundwater, soils, rocks, plate tectonics, landforms, and vegetation. Three lecture and two laboratory hours each week.

Credit Hours: 4

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World, Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

GGY 215 - The Digital Globe

Introduction to the maps, data, and methods commonly used by geographers to investigate spatial relationships from local to global scales. Includes the examination of geography as a discipline whereby human and physical environments are spatially explored.

Credit Hours: 3

University Studies: Approaches and

Perspectives/Living in a Global Society, Building Competencies/Information Literacy, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

GGY 220 - Cartography and Data Visualization

Introduction to fundamental cartographic and geospatial data visualization principles that provide students the ability to describe, generate, and evaluate relevant products (maps, graphs, charts). The course uses examples from physical geography and human landscapes to practice the principles defined in the Essential Body of Knowledge used in geospatial professions.

Credit Hours: 3

Prerequisite Courses: GGY 130 or GGY 101
University Studies: Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

GGY 222 - Quantitative Methods in Earth Sciences

Use and interpretation of statistical techniques in geographic and geologic research. The course emphasizes problem identification, data collection and interpretation through assignments covering specific kinds of statistical methods.

Credit Hours: 3

University Studies: Building Competencies/Information Literacy, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

GGY 230 - Introduction to Weather and Climate

Examination of general climatic characteristics through space and time, especially as influenced by controls upon temperature, wind and moisture distributions, and by planetary, regional and local atmospheric disturbances.

Credit Hours: 3

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural

World, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

GGY 321 - Introduction to Geographic Information Systems

Introduces fundamental concepts and principles of Geographic Information Systems (GIS). Tools, functions, and capabilities of GIS desktop software (e.g. ArcGIS or QGIS) are explained and used to visualize and manipulate geospatial data.

Credit Hours: 3

Prerequisite Courses: GGY 130 or GGY 215 or GLY 101 or GLY 120 or OCN 150 or EVS 195 or EGN 102.
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

GGY 322 - Introduction to Remote Sensing

Theory and application of remote sensing techniques and software applications for environmental sciences, geography, earth sciences, hydrology, archaeology,

forestry, and public health. Includes satellite data collection, digital image processing, multispectral image analysis, introduction to thermal infrared and microwave data through laboratory exercises. Students work in small groups to apply remote sensing concepts to solve complex problems. Two lecture and two laboratory hours each week.

Credit Hours: 3

Prerequisite Courses: GGY 130 or GGY 215 or GLY 101 or GLY 120 or OCN 150 or EVS 195 or consent of instructor.
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

GGY 365 - Written Communication in Geography

Development of written scientific communication skills for topics related to geography and geospatial sciences.

Credit Hours: 2

University Studies: Building Competencies/Information Literacy, Building Competencies/Writing Intensive, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.
Major Restriction Geography and Geospatial Science, Geosciences, Geology, Oceanography

GGY 395 - Oral Communication in Geography

Development of oral presentation and computer application skills in Geography.

Credit Hours: 1

Prerequisite or Corequisite Courses: GGY 365 or GLY 365 or OCN 365
Course Repeatability: Course may not be repeated.

Total: 25 hours

Elective Requirements:

In addition, students must complete a minimum of 18 elective hours consisting of any GGY courses beyond the core, and up to 10 hours from among:

GLYL 100 - Earth Systems Laboratory

Survey level laboratory exploration of earth materials, atmospheric and ocean environments, surficial processes, climate change, and their impacts on society. Designed to complement lecture content in introductory earth science courses but can be taken as a stand-alone course.

Credit Hours: 1

University Studies: Approaches and Perspectives: Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

GLY 125 - Natural Disasters

Examination of the causes, effects, and options available to mitigate actual disasters, such as earthquakes, volcanic eruptions, landslides, subsidence, flooding, severe weather, and meteorite impacts. Case histories are used to demonstrate scientific principles and socioeconomic issues.

Credit Hours: 3

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

GLY 226 - Principles of Hydrology

Covers the three main components of terrestrial hydrology: (1) atmospheric water, precipitation, and surface-atmosphere interactions; (2) groundwater, infiltration, substance flow, and aquifers; and (3) surface water, watersheds, rivers and floods. Lectures and exercises focus on collecting and interpreting hydrological data to address environmental issues.

Credit Hours: 3

Prerequisite Courses: GGY 130 or GLY 101 or GLY 120
Crosslisting: GGY 235
Course Repeatability: Course may not be repeated.

GLY 390 - Field Methods in Geosciences

Applied study of geological materials and processes in field settings. Introduction to methods and techniques used in the geosciences including field measurement, sample retrieval and data analysis. Colloquium and required field trips.

Credit Hours: 2

Prerequisite Courses: GLY 132
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
University Studies: Explorations Beyond the Classroom, Common Requirements/Critical Reasoning
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 4 **Repeat Limit:** 2
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

GLY 420 - Global Climate Change

Analysis of natural and anthropogenic global climate change with an emphasis on future global climate change. Topics include Earth's energy balance, the global carbon cycle, climate modeling, atmospheric composition, and dynamics. Review of geographical

variation in climate change.

Credit Hours: 3

Prerequisite Courses: GGY 230
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
University Studies: Building Competencies/Writing Intensive
Crosslisting: GGY 420, PHY 420
Course Repeatability: Course may not be repeated.

OCN 250 - Coasts and Society

Variability of coastal landforms, the processes that shape them, problems brought about by natural and anthropogenic changes, and the role of culturally-based perceptions on valuation and management of coastal systems. Focus on coastal environments of populated continents and island nations including barrier islands, rocky coasts, dunes, estuaries, marshes and deltas.

Credit Hours: 3

University Studies: Approaches and

Perspectives/Scientific Approaches to the Natural World, Approaches and Perspectives/Living in a Global Society, Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

OCN 390 - Field Methods in Oceanography

Applied study of ocean materials and processes in field settings. Introduction to methods and techniques used in geosciences, with emphasis on coastal and marine environments, including field measurement, sample retrieval, and data analysis. Colloquium and required field trips (with associated costs).

Credit Hours: 2

Prerequisite Courses: OCN 150
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
University Studies: Building Competencies/Information Literacy, Critical Reasoning, Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6 **Repeat Limit:** 2

Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

Total: 43 hours

Geography majors are strongly encouraged to pursue a minor or second major, and to carefully select courses that will define their main area of interest.

Additional Information:

GLY 390 or OCN 390 may be repeated once for a total of 4 credit hours.

GGY courses listed as core requirements that are not counted toward the core may count as elective hours.

A "C" (2.00) or better average is required on all courses that count toward the major.

At least 14 hours toward the Geography and Geospatial Sciences B.A. must be at the 300-400 levels.

The Geography and Geospatial Sciences major is designed to prepare students for a variety of careers and to allow for complementary study in allied

disciplines. Geography and Geospatial Sciences majors are strongly encouraged to pursue a minor or second major, and to carefully select courses that will define their main area of interest.

For example, working closely with an advisor, students may select elective courses tailored to specific areas of interest such as:

- Applied Geography (GGY 215, GGY 220, GGY 421, GGY 424, GGY 426, GGY 428, GGY 429, GGY 473, or a second major or minor in GIS Remote Sensing and UAS, Computer Science, or Information Technology).
- Human-Environment Geography (GGY 340, GGY 383, GGY 435, GGY 438, GGY 473, GGY 475, or a second major or minor in International Studies, Anthropology, or Environmental Sciences).
- Physical Geography (GGY 333, GGY 335, GGY 420, GGY 432, GGY 433, GGY 436, GGY 437, GGY 439, or a second major or minor in Geology, Geoscience, or Oceanography).

Geology, B.S.

The B.S. degree in geology focuses on scientific study of Earth; common rocks and minerals, processes that form and alter basic Earth materials, and key events in the geologic evolution of the planet. Specifically, the B.S. in geology is designed for students intending to pursue advanced studies in geology or who intend to attain licensure as a professional geologist.

Oral Communication Requirement

To satisfy the oral communication requirement for the B.S. degree in Geology, a student must successfully complete GLY 395.

Applied Learning Requirement

To satisfy the applied learning requirement for the B.S. degree in Geology, a student must complete either GLY 470 and GLY 471 (total of 5 hours) or GLY 498 (6 hours).

Requirements for a Major in Geology for the B.S. Degree

Core Courses (27 Credit Hours)

GLY 101 - Earth Revealed

An introduction to Geology covering fundamental topics including plate tectonics, geologic time, and Earth materials with emphasis on how geology affects the natural environment, controls distribution of natural resources, and poses risks to humans. Contemporary issues covered include natural resource use (water, energy), geohazards, coastal processes, and climate change.

Credit Hours: 3

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World, Living in a Global Society
Course Repeatability: Course may not be repeated.

GLYL 101 - Earth Revealed Laboratory

Introduction to applied use of rock and mineral samples, maps, and models in geology. Topics include plate tectonics, mineral and rock identification and resources, geologic time, mountain building, earthquakes, volcanoes, river processes and flooding, groundwater, coastal processes and storms, energy, and climate change.

Credit Hours: 1

Prerequisite or Corequisite Courses: GLY 101.
University Studies: Approaches and Perspectives: Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

GLY 132 - The Earth Through Time

Geologic history of the earth and the fossil record. Methods of dating rocks and fossils, interpreting ancient environments and the age of the earth. Field trips.

Credit Hours: 4

Prerequisite Courses: GLY 101 or GLY 120 or GGY 130.
Course Repeatability: Course may not be repeated.

GLY 201 - Mineralogy

Introduction to the formation, chemistry, symmetry, structure and natural occurrence of minerals. Principles of physical properties, crystal chemistry,

crystallography, and mineral genesis. Study of the geologically important rock-forming mineral groups and associations. Introduction to optical mineralogy and the use of the petrographic microscope. Computer applications in geology. Required field trip(s).

Credit Hours: 4

Prerequisite Courses: Prerequisite:GLY 101 or GLY 120 and GLYL 120 or GGY 130. Prerequisite or corequisite: CHM 101 and CHML 101.
Course Repeatability: Course may not be repeated.

GLY 310 - General Petrology

Survey of the major igneous, sedimentary, and metamorphic rock groups. Emphasis is on classification, textural features, mode of occurrence, environments of origin and economic importance. Laboratory stresses rock identification and typical rock associations. Required field trips.

Credit Hours: 4

Prerequisite Courses: GLY 201 or GLY 205
Course Repeatability: Course may not be repeated.

GLY 365 - Written Communication in Geology

Development of written scientific communication skills for topics related to the geosciences.

Credit Hours: 2

University Studies: Building Competencies/Information Literacy, Building Competencies/Writing Intensive, Critical Reasoning
Course Repeatability: Course may not be repeated.
Major Restriction Geography and Geospatial Science, Geosciences, Geology, Oceanography

GLY 395 - Oral Communication in Geology

Includes oral presentations and computer applications in Geology.

Credit Hours: 1

Prerequisite or Corequisite Courses: Prerequisite or

Corequisite: GGY 365 or GLY 365 or OCN 365
Course Repeatability: Course may not be repeated.

GLY 431 - Sedimentology and Stratigraphy

Introduction to the observation, description, and interpretation of sediment and sedimentary rock; the physical and chemical processes controlling weathering, sediment transport, deposition, and diagenesis; and the interpretation of depositional environments and layered rock successions. Field trips; fees may be required. Three lecture and three laboratory hours each week.

Credit Hours: 4

Prerequisite Courses: GLY 310 or permission of instructor.
University Studies: Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

GLY 441 - Structural Geology

Introduction to the mechanics, fabrics, and geometry of rock deformation, including stress-strain relationships,

folds and folding, and faulting and fracturing of rocks. Required field trip.

Credit Hours: 4

Prerequisite Courses: GLY 132 and GLY 310
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

Options

In addition to the Geology core courses, students must complete one of the options below.

Option 1: Academic (39-41 Credit Hours)

This option is designed for students intending to pursue advanced or graduate studies. Electives in this option should be chosen to complement the student's expected areas of advanced study, and might include course work in other disciplines such as biology, chemistry, geography, or physics. In addition to the B.S. core, students must complete:

GLY 390 - Field Methods in Geosciences

Applied study of geological materials and processes in field settings. Introduction to methods and techniques used in the geosciences including field measurement, sample retrieval and data analysis. Colloquium and required field trips.

Credit Hours: 2

Prerequisite Courses: GLY 132
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
University Studies: Explorations Beyond the Classroom, Common Requirements/Critical Reasoning
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 4 **Repeat Limit:** 2
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

GLY 470 - Field Course in Geology

Intensive geological field mapping in various geological settings. Capstone emphasis on prior geological knowledge, critical thinking, and problem-solving skills. Interpretation of field data and solving field-based

problems in small groups under direct faculty supervision. Includes preparation of geological maps and cross sections using digital topographic map, detailed lithologic descriptions outcrop questions and local geologic history. Course fees apply. Students must register for lecture and laboratory.

Credit Hours: 4

Prerequisite Courses: (GLY 310 or GLY 311 and GLY 416) and GLY 431, GLY 390, GLY 441 and GLY 471.
Additional Restrictions/Requirements: Prerequisite courses or consent of instructor.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

GLY 471 - Techniques in Applied Geology

A companion course to GLY 470 providing experience in advanced techniques of geologic map reading and interpretation, data and location acquisition, mineral and rock description, sketching and sampling, structural

mapping, and map and cross section design and format. Field trip required. Individual and group activities required. Course fees required.

Credit Hours: 1

Prerequisite Courses: Prerequisites: (GLY 310 or GLY 311 and GLY 416) and GLY 441. Prerequisites or corequisites: GLY 390 and GLY 431.
Additional Restrictions/Requirements: Prerequisite and corequisite courses, or consent of instructor.
Course Repeatability: Course may not be repeated.

10 hours of GLY electives selected from courses above the 299 level

CHM 101 - General Chemistry I

Overview of the fundamental laws, principles and theories of chemistry. A 'C' or better in CHM 101 is required to take certain advanced courses in chemistry.

Credit Hours: 3

Corequisite Courses: CHML 101.
University Studies: Approaches and

Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

CHML 101 - General Chemistry Laboratory I

Introduction to general chemistry laboratory techniques. This course is the lab companion course for general chemistry lecture CHM 101.

Credit Hours: 1

Corequisite Courses: CHM 101.
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

CHM 102 - General Chemistry II

Study of the fundamental laws, principles and theories of chemistry. Introduction to inorganic chemistry. Interpretation of experimental results. A 'C' or better in CHM 102 is required to take certain advanced courses in chemistry.

Credit Hours: 3

Corequisite Courses: CHML 102.
Prerequisite Courses: CHM 101 and CHML 101.
Course Repeatability: Course may not be repeated.

CHML 102 - General Chemistry Laboratory II

Introduction to techniques and equipment used in the chemical laboratory. Interpretation of experimental results. This course is the lab for CHM 102 .

Credit Hours: 1

Corequisite Courses: CHM 102.
Prerequisite Courses: CHML 101, CHM 101.
Course Repeatability: Course may not be repeated.

MAT 151 - Basic Calculus with Applications I

Intended for majors that emphasize techniques and applications. Study of linear and nonlinear functions, differentiation with applications, Riemann sums, integration, and the Fundamental Theorem of Calculus.

Credit Hours: 3

Prerequisite Courses: MAT 111 or MAT 150 or MAT 160, or satisfactory performance on the UNCW mathematics placement test.
University Studies: Foundations/Mathematics and Statistics, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

MAT 152 - Basic Calculus with Applications II

Intended for majors that emphasize techniques and applications. The second course in a two-course sequence. Topics to include further techniques and applications of integration and multivariable calculus including trigonometric functions, differential equations, probability, and sequences & series.

Credit Hours: 3

Prerequisite Courses: MAT 151 and (MAT 112 or MAT 160).
University Studies: Foundations/Mathematics and Statistics, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

or

MAT 161 - Calculus with Analytical Geometry I

Calculus of a single variable intended for students in the mathematical and natural sciences. Functions and limits; differentiation with applications including maxima and minima, related rates, and approximations; theory of integration with applications; and transcendental functions.

Credit Hours: 4

Prerequisite Courses: MAT 112 or MAT 160, or satisfactory performance on the UNCW mathematics placement test.
University Studies: Foundations/Mathematics and Statistics, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

MAT 162 - Calculus with Analytical Geometry II

The second course in a three-course sequence. Further techniques and applications of integration; infinite sequences and series; conic sections, parametrized curves and polar coordinates; and, elementary differential equations.

Credit Hours: 4

Prerequisite Courses: MAT 161.
University Studies: Foundations/Mathematics and Statistics, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

PHY 101 - Elementary College Physics I

First semester of a two semester algebra-based introduction to the fundamental principles of physics. Topics include kinematics, Newtonian statics and dynamics, gravitation, oscillations, and mechanical waves.

Credit Hours: 4

Prerequisite or Corequisite Courses: MAT 111 or MAT 112 or MAT 150 or MAT 151 or MAT 160 or MAT 161
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

PHY 102 - Elementary College Physics II

Second semester of a two semester algebra-based introduction to the fundamental principles of physics. Topics include electric and magnetic fields, circuits, electromagnetic waves, and optics.

Credit Hours: 4

Prerequisite Courses: PHY 101
Course Repeatability: Course may not be repeated.

or

PHY 201 - General Physics I

First semester of a two semester calculus-based introduction to the fundamental principles of physics for the physical and mathematical sciences. Topics include kinematics, Newtonian statics and dynamics, gravitation, oscillations, and mechanical waves.

Credit Hours: 4

Prerequisite or Corequisite Courses: MAT 161
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural

World
Course Repeatability: Course may not be repeated.

PHY 202 - General Physics II

Second semester of a two semester calculus-based introduction to the fundamental principles of physics for the physical and mathematical sciences. Topics include electric and magnetic fields, circuits, Maxwell's equations, electromagnetic waves, and optics.

Credit Hours: 4

Prerequisite or Corequisite Courses: MAT 162
Prerequisite Courses: PHY 201
Course Repeatability: Course may not be repeated.

Option 1 Total Credit Hours: 66-68

Option 2: Professional (33-36 Credit Hours)

This option is designed for students who intend to enter the job market after graduation and who intend to pursue licensure as a professional geologist. Elective courses should be chosen to complement the student's intended career path and might include courses from other disciplines such as geography and environmental

studies. In addition to the B.S. core, students must complete:

GGY 321 - Introduction to Geographic Information Systems

Introduces fundamental concepts and principles of Geographic Information Systems (GIS). Tools, functions, and capabilities of GIS desktop software (e.g. ArcGIS or QGIS) are explained and used to visualize and manipulate geospatial data.

Credit Hours: 3

Prerequisite Courses: GGY 130 or GGY 215 or GLY 101 or GLY 120 or OCN 150 or EVS 195 or EGN 102.
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

GLY 390 - Field Methods in Geosciences

Applied study of geological materials and processes in field settings. Introduction to methods and techniques used in the geosciences including field measurement, sample retrieval and data analysis. Colloquium and

required field trips.

Credit Hours: 2

Prerequisite Courses: GLY 132
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
University Studies: Explorations Beyond the Classroom, Common Requirements/Critical Reasoning
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 4 **Repeat Limit:** 2
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

GLY 426 - Geohydrology

Geology of groundwater and related aspects of surface waters. Methods of ground water resource evaluation, protection, exploitation, and contaminant remediation.

Credit Hours: 3

Prerequisite Courses: (GLY 101 or GLY 120 or OCN 150 or GGY 130), and (MAT 112 or MAT 160 or MAT 152 or MAT 161)

Additional Restrictions/Requirements: Junior or senior standing in geology, geoscience, geography, oceanography and/or environmental sciences, prerequisite courses, and consent of instructor.
Crosslisting: GLY 526
Course Repeatability: Course may not be repeated.

GLY 465 - Introduction to Geophysics

Integrated application of geophysical methods to solve environmental and geologic problems. Includes discussion of reflection/refraction seismology, ground penetrating radar and gravity. Two lectures and three laboratory hours each week.

Credit Hours: 3

Prerequisite Courses: GLY 101 and (MAT 112 or MAT 160 or MAT 152 or MAT 161)
Crosslisting: GLY 565.
Course Repeatability: Course may not be repeated.

GLY 470 - Field Course in Geology

Intensive geological field mapping in various geological settings. Capstone emphasis on prior geological

knowledge, critical thinking, and problem-solving skills. Interpretation of field data and solving field-based problems in small groups under direct faculty supervision. Includes preparation of geological maps and cross sections using digital topographic map, detailed lithologic descriptions outcrop questions and local geologic history. Course fees apply. Students must register for lecture and laboratory.

Credit Hours: 4

Prerequisite Courses: (GLY 310 or GLY 311 and GLY 416) and GLY 431, GLY 390, GLY 441 and GLY 471.
Additional Restrictions/Requirements: Prerequisite courses or consent of instructor.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

GLY 471 - Techniques in Applied Geology

A companion course to GLY 470 providing experience in advanced techniques of geologic map reading and

interpretation, data and location acquisition, mineral and rock description, sketching and sampling, structural mapping, and map and cross section design and format. Field trip required. Individual and group activities required. Course fees required.

Credit Hours: 1

Prerequisite Courses: Prerequisites: (GLY 310 or GLY 311 and GLY 416) and GLY 441. Prerequisites or corequisites: GLY 390 and GLY 431.
Additional Restrictions/Requirements: Prerequisite and corequisite courses, or consent of instructor.
Course Repeatability: Course may not be repeated.

or

GLY 498 - Internship in Geology

Practical training experience with agency or business conducting geological services. Jointly evaluated by geology faculty member and on-site supervisor.

Credit Hours: 1 to 6

Additional Restrictions/Requirements: Junior or

senior standing and major, minimum GPA 2.50 overall, and consent of instructor.
University Studies: Explorations Beyond the Classroom, Common Requirements/Critical Reasoning
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6 **Repeat Limit:** 1
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

Plus 10 hours of GLY electives selected from courses above the 299 level.

CHM 101 - General Chemistry I

Overview of the fundamental laws, principles and theories of chemistry. A 'C' or better in CHM 101 is required to take certain advanced courses in chemistry.

Credit Hours: 3

Corequisite Courses: CHML 101.
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

CHML 101 - General Chemistry Laboratory I

Introduction to general chemistry laboratory techniques. This course is the lab companion course for general chemistry lecture CHM 101.

Credit Hours: 1

Corequisite Courses: CHM 101.
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

MAT 112 - Trigonometry

Topics from trigonometry and algebra review. Includes trigonometric functions, identities and equations. (No credit granted after the completion, with a grade of "C-" or better, of a mathematics course numbered 152 or higher.)

Credit Hours: 3

Prerequisite Courses: MAT 111 or MAT 150 or satisfactory performance on the UNCW mathematics placement test.

University Studies: Foundations/Mathematics and Statistics, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

or

MAT 160 - Precalculus: Algebra & Trigonometry

Study of fundamental concepts of algebra and trigonometry, functions using graphical and algebraic approaches, and applications that are essential to the study of calculus. Covers linear, quadratic, polynomial, rational, radical, piecewise, composite, inverse, exponential, logarithmic, and trigonometric functions. Preparatory course for MAT 161.

Credit Hours: 5

Additional Restrictions/Requirements: No credit granted for MAT 160 after the completion of a MAT course numbered 161 or higher, with a grade of "C-" or better.
University Studies: Foundations/Mathematics and Statistics, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

Option 2 Total Credit Hours: 60-63

Geology B.S. Total Credit Hours: 60-68

Geosciences, B.A.

This program focuses on the scientific study of Earth; forces acting upon and within it; and the makeup and behavior of the solids, liquids, and gases comprising the planet. The B.A. in Geosciences is designed for students who desire a broad liberal arts education that prepares them for careers such as environmental consulting, energy and resource management, and Geoscience education.

The B.A. in Geosciences is a flexible option that allows students to concentrate their coursework in selected areas of geology, earth surface processes, weather and climate, geospatial science, or oceanography. Because of the flexible degree requirements, many students are able to pursue a second major or minor in addition to the B.A. Geosciences.

Requirements for a Major in Geosciences for the B.A. Degree

Oral Communication Requirement

For the B.A. degree in Geosciences, a student must successfully complete GLY 395 or GGY 395 or OCN 395.

Applied Learning Requirement

For the B.A. degree in Geosciences, a student must successfully complete GLY 390 or GGY 390 or OCN 390.

Core Courses (20 Credit Hours)

> Students must complete one of the following courses:

GLY 101 - Earth Revealed

An introduction to Geology covering fundamental topics including plate tectonics, geologic time, and Earth materials with emphasis on how geology affects the natural environment, controls distribution of natural resources, and poses risks to humans. Contemporary issues covered include natural resource use (water, energy), geohazards, coastal processes, and climate change.

Credit Hours: 3

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World, Living in a Global Society
Course Repeatability: Course may not be repeated.

GLY 120 - Environmental Geology

Introduction to the relationships between man and his geologic environment. Concerned with the problems that people have in using the earth and the reaction of the earth to that use. Emphasis is placed on earth processes, earth resources, and properties of rocks and surficial deposits insofar as they are important to or affect human activities. The lab for this course is GLYL 120.

Credit Hours: 3

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

GLY 125 - Natural Disasters

Examination of the causes, effects, and options available to mitigate actual disasters, such as earthquakes, volcanic eruptions, landslides, subsidence, flooding, severe weather, and meteorite impacts. Case histories are used to demonstrate scientific principles and socioeconomic issues.

Credit Hours: 3

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

OCN 150 - Introduction to Oceanography

An introduction to the geology, physics, chemistry, and biology of the ocean; instruments and techniques of oceanography; resources of the ocean. The lab for this course is OCNL 150.

Credit Hours: 3

University Studies: Approaches and

Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

EVS 195 - Introduction to Environmental Sciences

Interdisciplinary introduction to the scope and application of environmental sciences. Emphasis on integrated analysis of environmental principles and discussions centering on current environmental problems. The lab for this course is EVSL 195.

Credit Hours: 3

Additional Restrictions/Requirements: EVS 195 and EVSL 195 may be taken in different semesters.
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

GGY 130 - Geosystems

Spatial distribution of environmental elements and processes, including weather and climate, groundwater, soils, rocks, plate tectonics, landforms, and vegetation. Three lecture and two laboratory hours each week.

Credit Hours: 4

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World, Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

> Students must also complete at least 1 laboratory course from GLYL 100, GLYL 101, GLYL 120, GGY 130* or OCNL 150. *GGY 130 lecture includes the GGY 130 lab, therefore, an additional laboratory is not required.

GLYL 101 - Earth Revealed Laboratory

Introduction to applied use of rock and mineral samples, maps, and models in geology. Topics include plate tectonics, mineral and rock identification and resources, geologic time, mountain building, earthquakes, volcanoes, river processes and flooding,

groundwater, coastal processes and storms, energy, and climate change.

Credit Hours: 1

Prerequisite or Corequisite Courses: GLY 101.
University Studies: Approaches and Perspectives: Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

GLYL 120 - Environmental Geology Lab

Laboratory analysis of earth materials and resources. Applications of geologic principles to solving current environmental problems. This course is the lab for GLY 120.

Credit Hours: 1

Prerequisite Courses: Prerequisite or corequisite: GLY 120.
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

GLYL 100 - Earth Systems Laboratory

Survey level laboratory exploration of earth materials, atmospheric and ocean environments, surficial processes, climate change, and their impacts on society. Designed to complement lecture content in introductory earth science courses but can be taken as a stand-alone course.

Credit Hours: 1

University Studies: Approaches and Perspectives: Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

OCNL 150 - Introduction to Oceanography Laboratory

A hands-on, experiential introduction to the study of the oceans including geological, biological, chemical, and physical aspects. Instruments and techniques of oceanography, marine resources, and human interaction with the oceans will also be explored. Multiple required field trips. This course is the lab for OCN 150.

Credit Hours: 1

Prerequisite Courses: Prerequisite or corequisite: OCN 150.
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

In addition, students must complete the following courses:

GLY 132 - The Earth Through Time

Geologic history of the earth and the fossil record. Methods of dating rocks and fossils, interpreting ancient environments and the age of the earth. Field trips.

Credit Hours: 4

Prerequisite Courses: GLY 101 or GLY 120 or GGY 130.
Course Repeatability: Course may not be repeated.

GLY 201 - Mineralogy

Introduction to the formation, chemistry, symmetry, structure and natural occurrence of minerals. Principles of physical properties, crystal chemistry, crystallography, and mineral genesis. Study of the geologically important rock-forming mineral groups and associations. Introduction to optical mineralogy and the use of the petrographic microscope. Computer applications in geology. Required field trip(s).

Credit Hours: 4

Prerequisite Courses: Prerequisite:GLY 101 or GLY 120 and GLYL 120 or GGY 130. Prerequisite or corequisite: CHM 101 and CHML 101.
Course Repeatability: Course may not be repeated.

GGY 230 - Introduction to Weather and Climate

Examination of general climatic characteristics through space and time, especially as influenced by controls upon temperature, wind and moisture distributions, and by planetary, regional and local atmospheric disturbances.

Credit Hours: 3

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

GGY 365 - Written Communication in Geography

Development of written scientific communication skills for topics related to geography and geospatial sciences.

Credit Hours: 2

University Studies: Building Competencies/Information Literacy, Building Competencies/Writing Intensive, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.
Major Restriction Geography and Geospatial Science, Geosciences, Geology, Oceanography

GLY 365 - Written Communication in Geology

Development of written scientific communication skills for topics related to the geosciences.

Credit Hours: 2

University Studies: Building Competencies/Information Literacy, Building Competencies/Writing Intensive, Critical Reasoning
Course Repeatability: Course may not be repeated.
Major Restriction Geography and Geospatial Science, Geosciences, Geology, Oceanography

OCN 365 - Written Communication in Oceanography

Development of written scientific communication skills for topics related to the oceanography discipline.

Credit Hours: 2

University Studies: Building Competencies/Information Literacy, Building Competencies/Writing Intensive, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

Major Restriction Geography and Geospatial Science, Geosciences, Geology, Oceanography

GGY 390 - Field Methods in Geography

Applied study of geographic processes in field settings. Introduction to methods and techniques used in geography including sampling design, field measurements, data collection, and data analysis. Colloquium and required field trips (with associated costs).

Credit Hours: 2

Prerequisite Courses: GGY 101 or GGY 130 or GGY 215.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6 **Repeat Limit:** 2
Additional Course Fees: Student Blanket Professional Liability Insurance

GLY 390 - Field Methods in Geosciences

Applied study of geological materials and processes in field settings. Introduction to methods and techniques used in the geosciences including field measurement, sample retrieval and data analysis. Colloquium and required field trips.

Credit Hours: 2

Prerequisite Courses: GLY 132
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
University Studies: Explorations Beyond the Classroom, Common Requirements/Critical Reasoning
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 4 **Repeat Limit:** 2
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

OCN 390 - Field Methods in Oceanography

Applied study of ocean materials and processes in field settings. Introduction to methods and techniques used in geosciences, with emphasis on coastal and marine environments, including field measurement, sample retrieval, and data analysis. Colloquium and required

field trips (with associated costs).

Credit Hours: 2

Prerequisite Courses: OCN 150
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
University Studies: Building Competencies/Information Literacy, Critical Reasoning, Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6 **Repeat Limit:** 2
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

GGY 395 - Oral Communication in Geography

Development of oral presentation and computer application skills in Geography.

Credit Hours: 1

Prerequisite or Corequisite Courses: GGY 365 or GLY 365 or OCN 365
Course Repeatability: Course may not be repeated.

GLY 395 - Oral Communication in Geology

Includes oral presentations and computer applications in Geology.

Credit Hours: 1

Prerequisite or Corequisite Courses: Prerequisite or Corequisite: GGY 365 or GLY 365 or OCN 365
Course Repeatability: Course may not be repeated.

OCN 395 - Oral Communication in Oceanography

Development of oral presentation skills for topics related to the oceanography discipline.

Credit Hours: 1

Prerequisite or Corequisite Courses: GGY 365 or GLY 365 or OCN 365
Course Repeatability: Course may not be repeated.

Elective Courses (21 Credit Hours)

Students must complete 21 hours of electives, of which 12 hours must be above the 299-level. At least six hours above the 299-level must be in GLY, GGY, or OCN. Students may select electives from any GLY, GGY, or OCN courses above the 299-level, and from the following:

ANT 207 - Archaeology

An exploration of the objectives, theories, methodologies and interpretive tools utilized in the study of humankind's past. Both prehistoric and historic cultures will be examined. The lab for this course is ANTL 207.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors, Approaches and Perspectives/Historical and Philosophical Approaches
Course Repeatability: Course may not be repeated.

ANT 307 - Archaeology of the Americas

Exploration of the peopling of the Americas and various New World indigenous groups, with an emphasis on chiefdom and state level societies. Archaeological, ethnohistorical, and epicgraphic evidence is used to study the Aztec and Maya of Mesoamerica, the Mississippians and Puebloan Indians of North America, and Andean civilizations of South America.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

ANT 309 - Environmental Anthropology

A study of cultural adaptations as responses of human populations to varied environments; this course will focus upon cultural vs. biological adaptation from the archaeological past to the ethnographic present.

Credit Hours: 3

Prerequisite Courses: ANT 105 or ANT 206 or ANT 207
Additional Restrictions/Requirements: Prerequisite courses or consent of instructor.

University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

ANT 311 - Field Methods in Archaeology

Exploration of archaeological field methods through scientific excavation, recording, and sampling of sites of past human occupation. Focus on training in field and some laboratory methods at archaeological sites in the US or abroad.

Credit Hours: 3 To 6

Prerequisite Courses: ANT 207
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12 **Repeat Limit:** 1
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

ANT 312 - Collapse. The Fall of Complex Civilizations

A sampler of political and systemic collapses over the course of world history, applying theories of collapse to case studies including Easter Island, Mesopotamia, the Maya, and Rome. Evaluation of various theories explaining collapses and their relation to contemporary political trends and imperatives.

Credit Hours: 3 To 6

University Studies: Building Competencies/Writing Intensive, Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

ANT 375 - Archaeological Sciences

A problem-centered approach to evaluating, using, and integrating commonly used scientific techniques. Students will learn the basics of many of these techniques including dating, macroscopic, microscopic, chemical, and biological, with a special emphasis on synthesizing science and archaeology into a seamless, anthropologically effective reconstruction of the human past.

Credit Hours: 3

Prerequisite Courses: ANT 207
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

ANT 430 - Evolutionary Biology

Advanced survey of organizational principles of the genetic apparatus of prokaryotes and eukaryotes. Emphasis of the course directed to critical evaluation of current concepts and models of evolutionary dynamics using relevant illustrative examples from the literature.

Credit Hours: 3

Prerequisite Courses: BIO 335
Crosslisting: BIO 430
Course Repeatability: Course may not be repeated.

BIO 202 - Principles of Biology: Biodiversity

Evolution, classification, and diversity of life, stressing morphology, physiology, principles of adaptation, and

relationships between biotic and abiotic components of ecosystems. The lab for this course is BIOL 202.

Credit Hours: 3

Prerequisite or Corequisite Courses: BIOL 202
University Studies: Building Competencies/Information Literacy, Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

BIO 378 - Global Environmental Problems

Review and discussion of causes and effects of major environmental problems, with emphasis on ecosystem-level effects and interactions. Topics include extinction, deforestation, climate change, and pollution impacts.

Credit Hours: 3

Prerequisite Courses: BIO 201 and BIO 202 and CHM 101 and CHML 101.
Course Repeatability: Course may not be repeated.

BIO 430 - Evolutionary Biology

Study of biological change over time through pathways of descent and through adaptation, including how biological diversity, from molecular through organismal levels, originates and is maintained. Focus on modern evolutionary analysis and applications in medicine, agriculture, and conservation.

Credit Hours: 3

Prerequisite Courses: BIO 335
Crosslisting: ANT 430
Course Repeatability: Course may not be repeated.

BIO 460 - Limnology

An examination of the physical, chemical, and biological characteristics of freshwater systems, particularly lakes and ponds. The lab for this course is BIOL 460.

Credit Hours: 3

Prerequisite Courses: BIO 201 and BIO 202, and CHM 102 and CHML 102.
Additional Restrictions/Requirements: Junior or

senior standing.
Course Repeatability: Course may not be repeated.

CHM 101 - General Chemistry I

Overview of the fundamental laws, principles and theories of chemistry. A 'C' or better in CHM 101 is required to take certain advanced courses in chemistry.

Credit Hours: 3

Corequisite Courses: CHML 101.
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

CHML 101 - General Chemistry Laboratory I

Introduction to general chemistry laboratory techniques. This course is the lab companion course for general chemistry lecture CHM 101.

Credit Hours: 1

Corequisite Courses: CHM 101.

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

ECN 330 - Natural Resource Economics

Economic principles are developed and applied to evaluate public and private decisions involving the use and allocation of natural resources. Optimal control theory is developed and applied to the management of natural resources. Attention is given to specific resources management areas such as forests and fisheries. The feasibility of alternatives for public policy is evaluated.

Credit Hours: 3

Prerequisite Courses: ECN 125 or ECN 221
Crosslisting: EVS 330
Course Repeatability: Course may not be repeated.

EDN 337 - Inquiry--The Method of Science

Assumes initial level competency in curriculum and methods of science. Focuses on conceptualization of

and rationale for using inquiry method of teaching science. Provides opportunities to acquire and practice skills needed to utilize method and to guide scientific investigation at K-12 levels.

Credit Hours: 3

Additional Restrictions/Requirements: A course in science methods or the completion of 15 hours toward a concentration or major in science or consent of instructor.
Course Repeatability: Course may not be repeated.

EDN 338 - The Teaching of Science (6-9)

This course includes a survey of curriculum and methods for teaching science in grades 6-9. There is an emphasis on scientific inquiry, topics that integrate learning across science disciplines, and the social implications of science and technology. Coursework includes field experience.

Credit Hours: 3

Corequisite Courses: EDN 439.

Prerequisite Courses: EDN 301 and EDN 318 and EDN 320 and EDN 352.
Additional Restrictions/Requirements: Prerequisite courses and basic studies science courses.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

EDN 383 - Mathematics and Science for the Early Years

Designed to acquaint B-K teachers with the curriculum, materials and methods used to teach basic concepts in mathematics and science to young children. Emphasis will be given to developmentally appropriate materials and experiences to promote power of observation and to encourage emergent conceptual abilities and cognitive processing skills. Field experiences required.

Credit Hours: 3

Prerequisite Courses: EDN 204.
Additional Restrictions/Requirements: Prerequisite

course and admission to Watson College of Education.
Course Repeatability: Course may not be repeated.

EDN 406 - Theory and Practice in Teaching Secondary Science (9-12)

Emphasis on theory, curriculum development, inquiry, critical thinking, classroom management, instructional strategies and selection of appropriate instructional materials. Successful planning and teaching practices with adaptations to diverse needs of students will be discussed. Field experiences required (10-20 contact hours). The lab for this course is EDNL 406.

Credit Hours: 3

Corequisite Courses: EDNL 406
Prerequisite Courses: EDN 301
Course Repeatability: Course may not be repeated.

EGN 310 - Fluid Mechanics for Engineers

Fluid mechanics uses knowledge from mathematics, physics, statics, and dynamics to analyze problems involving the fluid medium. Topics include fluid properties, hydrostatic pressure, pressure on surfaces,

conservative equations of mass, momentum and energy, pumps and turbines, open channel flows, and pipe flows in relation to real world engineering problems.

Credit Hours: 3

Prerequisite Courses: MAT 361 and EGN 201 (C- or better)
Course Repeatability: Course may not be repeated.

EGN 311 - Coastal Engineering and Fluids Lab

Applied methods in laboratory investigations into coastal engineering and fluid mechanics principles in a sequence of seven experiments: hydrostatic pressure on submerged surface, stability of a floating body, flow from a hole, hydraulic jump, flow measurement, wave measurements in a wave flume, and beach sediment analysis.

Credit Hours: 1

Prerequisite Courses: EGN 330 (C- or better)
Course Repeatability: Course may not be repeated.

EGN 320 - Water Resources Engineering

Introduction to quantitative methods in water resource systems. Topics include hydrology, precipitation, hydrograph analysis, reservoir and steam routing; groundwater, Darcy equation, well equation, well design; probability concepts in design; water law;dams; reserviors; spillways; open channel and pipe network hydraulics; pumps; urban stormwater drainage; flood damage mitigation.

Credit Hours: 3

Prerequisite Courses: EGN 310 (C- or better)
Course Repeatability: Course may not be repeated.

EGN 330 - Coastal Wave Mechanics

Examination of the mechanics of water wave motion using linear and non-linear wave theories. Exploration of wave generation, forecasting and measurement. Covers wave propagation and transformation from offshore to the nearshore where waves interact with the bottom causing shoaling, breaking and initiating sediment movement.

Credit Hours: 3

Prerequisite Courses: MAT 361
Course Repeatability: Course may not be repeated.

EGN 340 - Matlab for Engineering Analysis

An introduction to the MATrix LABoratory (MATLAB) software. Topics to be covered include: basic programming; data management and manipulation; curve fitting and interpolation; image processing; advanced 3D plotting and movie generation; and basic applied numerical methods.

Credit Hours: 3

Prerequisite Courses: MAT 261.
Course Repeatability: Course may not be repeated.

EGN 401 - Sediment Transport Processes

This course will examine the physical processes of sandy beaches, coastal sediments, surf zone dynamics, beach profile evolution and cross-shore and longshore sediment transport. The class will also cover beach profile response and sediment transport as a

result of waves, currents and storms.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

EGN 402 - Dredging and Beach Nourishment

This course will examine types of dredges and their operation and the process of dredging for beach nourishment. Students will learn about the elements of beach nourishment design including cross-shore and planform design considerations, borrow areas (upland, offshore and inlets), environmental effects of beach nourishment and current dredging/beach nourishment costs. Numerical modeling of beach and dune erosion, shoreline change and storm induced impacts will be introduced. Local examples and ongoing beach nourishment projects will be examined.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

EGN 410 - Field Methods in Coastal Engineering

Introduction to the concepts, instrumentation, and field methods used to observe physical processes specific to the highly-dynamic coastal environment, such as wind, waves, currents, tides, and sediment transport. Hands-on experience in operating, deploying, and analyzing data from sensors that measure waves and currents, as well as with advanced surveying techniques for monitoring beach morphology (e.g., LIDAR, RTK GPS, and SONAR).

Credit Hours: 3

Prerequisite Courses: EGN 340 (C- or better) and EGN 330 (C- or better).
Course Repeatability: Course may not be repeated.

EGN 420 - Applied Coastal Modeling

Provides the knowledge and tools necessary to apply state of the art numerical models in coastal settings. Specific models vary depending on the instructor's expertise. Examples include ADCIRC, FUNWAVE, DELFT3D, or XBeach.

Credit Hours: 3

Prerequisite Courses: EGN 340 (C- or better) and EGN 330 (C- or better).
Course Repeatability: Course may not be repeated.

EGN 430 - Coastal Structures

Examine the functional design of coastal structures distinguishing between groins, jetties, seawalls, breakwaters, revetments and bulkhealds. Hydraulic design and structural stability as a result of breaking and non-breaking wave loading are also covered. In addtion, students examine the materials used and cost implications of coastal structures.

Credit Hours: 3

Prerequisite Courses: EGN 301 (C- or better) and EGN 330 (C- or better).
Course Repeatability: Course may not be repeated.

ENG 393 - Writing in the Scientific Disciplines

Rigorous introduction to writing for academic science contexts. Critically examines the current state of

academic science writing and explores the multiple practical strategies scientists use to communicate in professional settings.

Credit Hours: 3

University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

EVS 195 - Introduction to Environmental Sciences

Interdisciplinary introduction to the scope and application of environmental sciences. Emphasis on integrated analysis of environmental principles and discussions centering on current environmental problems. The lab for this course is EVSL 195.

Credit Hours: 3

Additional Restrictions/Requirements: EVS 195 and EVSL 195 may be taken in different semesters.
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural

World, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

EVS 205 - Global Environmental Issues

Interdisciplinary study of contemporary environmental issues at a global scale, such as climate change, human population, biodiversity loss, food and water scarcity, energy, stratospheric ozone depletion, acid rain, and environmental justice. Causes, effects, policy implications, international negotiations, and development of treaties will be examined.

Credit Hours: 3

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

EVS 441 - Advanced Environmental Field Methods

Survey of methods, techniques, and tools used to gather and analyze data in environmental fieldwork with application to environmental issues and management. Field trips required. Additional Course Fees: Student Blanket Professional Liability Insurance.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

EVS 477 - Environmental Site Assessment

Study of ASTM guidelines for environmental site assessment, emphasis on historic overview, regulations, and preparation methods associated with environmental site assessment. Lecture and field trips.

Credit Hours: 3

Additional Restrictions/Requirements: Junior or senior standing or consent of the instructor.
Course Repeatability: Course may not be repeated.

EVS 478 - Hazardous Waste Operations and Emergency Response

Study of the physical and chemical hazards present at hazardous waste sites and those encountered during environmental clean-ups, as well as OSHA regulations pertaining to those sites. The class will meet the 40 CFR 1910.120 requirements for 40+ hours of training and OSHA certification will be issued.

Credit Hours: 3

Additional Restrictions/Requirements: Junior or senior standing or consent of instructor.
Crosslisting: EVS 578
Course Repeatability: Course may not be repeated.

GGY 222 - Quantitative Methods in Earth Sciences

Use and interpretation of statistical techniques in geographic and geologic research. The course emphasizes problem identification, data collection and interpretation through assignments covering specific kinds of statistical methods.

Credit Hours: 3

University Studies: Building Competencies/Information Literacy, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

GLY 125 - Natural Disasters

Examination of the causes, effects, and options available to mitigate actual disasters, such as earthquakes, volcanic eruptions, landslides, subsidence, flooding, severe weather, and meteorite impacts. Case histories are used to demonstrate scientific principles and socioeconomic issues.

Credit Hours: 3

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

GLY 226 - Principles of Hydrology

Covers the three main components of terrestrial hydrology: (1) atmospheric water, precipitation, and

surface-atmosphere interactions; (2) groundwater, infiltration, substance flow, and aquifers; and (3) surface water, watersheds, rivers and floods. Lectures and exercises focus on collecting and interpreting hydrological data to address environmental issues.

Credit Hours: 3

Prerequisite Courses: GGY 130 or GLY 101 or GLY 120
Crosslisting: GGY 235
Course Repeatability: Course may not be repeated.

HST 190 - History Unlimited: A Short History of Nearly Everything

Multi-disciplinary course designed to cover the history of the universe from the big bang until today. Draws on perspectives and methods of both anthropology and history. Topics include the physical structure and composition of the the earth, how it was formed, the emergence of life with particular focus on the evolution of humans, the organiztion and development of human societies, analysis of important historical periods such as agricultural, scientific and industrial revolutions. This

course does not fulfill requirements towards either the history or the anthropology majors.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in a Global Society, Explorations Beyond the Classroom
Crosslisting: ANT 190
Course Repeatability: Course may not be repeated.

HST 329 - History of Science and Technology in the Modern World

Examination of themes in the history of science and technology since the Scientific Revolution, such as controversies in science and technology, history of technology/biotechnology, history of American Science, and science and technology since 1900. Course may be repeated for credit under different subtitles.

Credit Hours: 3

Additional Restrictions/Requirements: Any HST course or consent of instructor.

Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 9

HST 496 - Topics in the History of Science and Technology

Intensive study of a selected theme in the History of Science and Technology. Examples of topics include: "Positivism", "Occult Studies and the Renaissance", "The Second Industrial Revolution". May be repeated under a different subtitle.

Credit Hours: 3

Prerequisite Courses: HST 290
Additional Restrictions/Requirements: Any history survey (HST 101 - HST 249) and prerequisite course, or consent of instructor.
University Studies: Building Competencies/Writing Intensive, Common Requirements/Critical Reasoning
Crosslisting: HST 586
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6

OCN 250 - Coasts and Society

Variability of coastal landforms, the processes that shape them, problems brought about by natural and anthropogenic changes, and the role of culturally-based perceptions on valuation and management of coastal systems. Focus on coastal environments of populated continents and island nations including barrier islands, rocky coasts, dunes, estuaries, marshes and deltas.

Credit Hours: 3

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World, Approaches and Perspectives/Living in a Global Society, Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

PAR 345 - Philosophy of Science

Introduce students to major topics from the philosophy of science, including the nature of scientific explanations, the role of natural laws within scientific practice, the methods for revising scientific theories, and the proper interpretation of physical theories like relativity and quantum mechanics.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

PAR 360 - Philosophy of Evolution

Examination of philosophical issues found in the study of evolution: origins of the theory; impact on science; methodology of Darwinian and contemporary evolutionary studies; concepts of species, natural selection and adaptation and its mechanisms; application of evolutionary theory of human culture; and debates over creationism and sociobiology.

Credit Hours: 3

Prerequisite Courses: PAR 101
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

PHY 350 - Fluid Mechanics

Emphasizes fundamental physical principles; fluid statics, fluid kinematics, integral and differential forms of the conservation laws for mass, momentum and

energy; Bernoulli equation; laminar flows; potential flows; vorticity dynamics; dyanamic similarity; boundary layers; turbulence.

Credit Hours: 3

Prerequisite Courses: PHY 321 or MAT 361
Course Repeatability: Course may not be repeated.

PHY 416 - Introduction to Material Science

The course introduces students to the physics governing the properties of materials in general. Topics include atomic structure and bonding and how these influence the structure (crystalline and amorphous) of solids, the origin of the physical (i.e., electrical, thermal, and mechanical) properties of solids, diffusion dynamics, and phase transistions.

Credit Hours: 3

Prerequisite Courses: PHY 202
Course Repeatability: Course may not be repeated.

PHY 475 - Physical Oceanography

An introduction to the descriptive and dynamical features of ocean circulation. Topics include: the physical properties of seawater; oceanic heat budget; dynamics of ocean currents; descriptive oceanography; waves and tides.

Credit Hours: 3

Prerequisite Courses: (MAT 152 or MAT 162) and (PHY 102 or PHY 202)
Crosslisting: PHY 575
Course Repeatability: Course may not be repeated.

PHY 478 - Geophysical Fluid Dynamics

The fundamental principles governing the flow of a density-stratified fluid on a rotating planet, with applications to the motions of the ocean and atmosphere. Equations of state, compressibility, Boussinesq approximation. Geostrophic balance, Rossby number. Poincare, Kelvin, Rossby waves, and geostrophic adjustment. Credit is not allowed for both PHY 478 and PHY 578.

Credit Hours: 3

Corequisite Courses: PHY 475
Prerequisite Courses: PHY 350
Crosslisting: PHY 578
Course Repeatability: Course may not be repeated.

PHY 480 - Coastal And Estuarine Systems

Introduction to the physical processes operating within coastal and estuarine systems. Focus on the dynamical description of topics such as gravity waves, surf zone hydrodynamics, storm surge, tides, estuarine hydraulics, sediment transport, and morphodynamics. Credit is not allowed for both PHY 480 and PHY 580.

Credit Hours: 3

Prerequisite Courses: PHY 475
Crosslisting: PHY 580
Course Repeatability: Course may not be repeated.

PLS 209 - Environmental Politics

Role of politics in environmental policy. Topics include the politics of the environmental movement, the environment as a public policy issue, and the

development and impact of environmental policy.

Credit Hours: 3

University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.

PLS 329 - Ocean and Coastal Law and Policy

National and international laws and policies concerning the ocean. Topics include: fisheries management, marine mammal protection, shipping and navigation, oil and chemical pollution, coastal and wetlands protection, submerged lands, riparian rights, and public access to coastal lands and waters.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

PLS 370 - Global Environmental Governance

Explores international environmental negotiations and agreements of global environmental problems regarding overfishing, climate change, deforestation,

biodiversity loss, trans-boundary pollutants, and water scarcity. Examines the debate surrounding sustainable development, ecological justice, and conflicts around resource scarcity.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

REC 366 - Coastal Recreation Resource Management

An in-depth study of coastal legislation, resources, issues and management. Special attention is given to understanding recreation in the coastal zone, conflicts among competing coastal resource users, and current issues pertaining to North Carolina's coastal environment.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

Total Credit Hours: 41

Additional Information

A "C" (2.00) or better average is required on all courses taken within the department, and "C" (2.00) or better average on all required courses above the 199 level in the department.

German Studies, B.A.

Oral Communication Requirement:

To satisfy the oral communication requirement for the B.A. degree in German studies a student must successfully complete GER 307, or GER 495, or GER 496.

Applied Learning Requirement:

To satisfy the applied-learning requirement for foreign language, a student must complete 3 credit hours of study abroad (at the intermediate level or above) or 3 credit hours of internship, directed individual study, practicum, honors, or service learning.

Requirements for a Major in German Studies for the B.A. Degree:

Including GER 201 and GER 202 or the equivalent. Thirty hours must be completed at the 300-400 level. GER 307 is required. No more than 6 hours may be obtained by means of a German Studies course taught in English. At least 6 hours must be at the 400 level. No more than 3 hours obtained by means of GER 491 or GER 498 will count towards the major.

Total: 36 hours

Additional Information:

A grade of "C-" or better is required in each course counted toward the major and a "C" (2.00) average or better for all courses counted toward the major. All majors must complete a series of German proficiency exams in order to graduate.

Healthful Living and Fitness Education, B.A.

Program Coordinator: Amelia (Kit) Huelskamp, Ph.D., M.A. I Program Coordinator & Associate Professor

(Healthful Living & Fitness Education Details I UNCW)

The Healthful Living and Fitness Education program is designed for students who want to enter K-12 teaching or the health, wellness and fitness industries. Students

must complete the core courses and then, choose from one of two concentrations: the K-12 Teacher Licensure concentration or the Lifetime Fitness and Health concentration. The K-12 Teacher Licensure concentration is accredited by the Council for the Accreditation of Educator Preparation (CAEP), and prepares students to teach, coach and assume leadership positions in K-12 schools. The Lifetime Fitness and Health concentration prepares students for a career in the health and fitness industry. A Master of Education (MED) degree and a Master of Arts in Teaching (MAT) are also offered, in conjunction with the Watson College of Education.

Oral Communication Requirement:

To satisfy the oral communication requirement for the B.A. degree in Healthful Living and Fitness Education, a student must successfully complete HFE 235.

Applied Learning Requirement:

To satisfy the applied learning requirement for the B.A. degree in Healthful Living and Fitness Education, a

student must successfully complete EDN 409 or HFE 348.

Requirements for a Major in Healthful Living and Fitness Education for the B.A. Degree:

I. Core (33 hours)

EXS 216 - Human Anatomy and Physiology I

Examines seven of the major organ systems that includes the human integumentary, skeletal, muscular, circulatory, and respiratory structures and functions as related to health and movement.

Credit Hours: 3

Corequisite Courses: EXSL 216
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural Word
Course Repeatability: Course may not be repeated.

EXSL 216 - Human Anatomy and Physiology I Laboratory

EXSL 216 is the study of the anatomical and functional characteristics of the human body including the

skeletal, muscular, circulatory, and respiratory systems with emphasis on health and physical activity.

Credit Hours: 1

Prerequisite Courses: Prerequisite or corequisite: EXS 216.
Course Repeatability: Course may not be repeated.

HEA 207 - Nutrition and Behavior

Application of the principles of nutrition as related to health; various levels of wellness; and practices of health care. Emphasis on basics of sound nutrition, requirements of various food elements, diet planning, diet patterns for specific age groups, nutritional fads and weight control.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

HEA 210 - Substance Abuse Prevention

Prevention education methods and strategies for substance abuse prevention for all age groups and

diverse populations. Special emphasis on evidence-based prevention strategies including both curriculum-based and community-programming tactics. Students will work with outside agencies to review current use of substance abuse prevention programs.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

HFE 221 - First Aid and Injury Care

This course is designed to introduce students to the mechanisms, underlying prevention, and care of various injuries and illnesses associated with an active lifestyle. Topics include: emergency procedures, legal concerns and injury prevention and care. It also includes instruction to potentially obtain certification in the following: CPR/AED for the Healthcare Provider.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

HFE 235 - Foundations of Health and Physical Education

Introductory course in the Health and Applied Human Sciences teacher education program that examines historical, sociological, and philosophical foundations of health and physical education. The course addresses past and current trends in K-12 health and physical education. The course introduces the national and state education standards for healthful living.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

HFE 350 - Motor Behavior

Motor skill acquisition, control, and performance. Physiological and psychological principles of human growth and development. Includes analysis of the sequential progression of fundamental motor skills from infancy through adulthood with primary focus on school-age children.

Credit Hours: 3

Prerequisite Courses: (BIO 240 with a C- or better and BIOL 240 with a C- or better) or (EXS 216 with a

C- or better and EXSL 216 with a C- or better).
Course Repeatability: Course may not be repeated.

HFE 385 - Health and Physical Education Curriculum Development

Provides conceptual tools and analytical skills essential to planning, implementing, and evaluating instruction. The design of instruction that incorporates behavioral, cognitive and constructivist theories of learning and views of curriculum will be considered. Provides the student with the knowledge, skills and resources to develop curricular materials consistent with state and national guidelines.

Credit Hours: 3

Prerequisite Courses: HFE 235 with a C- or better or PED 235 with a C- or better.
Course Repeatability: Course may not be repeated.

HFE 387 - Physical Activity Pedagogy II

Provides students theory, technique, and methods of developing and implementing developmentally appropriate healthful living for grades 6-12. Emphasis

on teaching effectiveness, planning, writing learning objectives, integration of technology and contemporary curricular models. Field experience is required.

Credit Hours: 0

Prerequisite Courses: HFE 235 with a C- or better or PED 235 with a C- or better.
University Studies: Critical Reasoning
Course Repeatability: Course may not be repeated.

HFE 391 - Health Behavior Theory Applications

The course will utilize authentic application of health behavior theory constructs to current health issues and trends (nutrition, physical activity, obesity, safer sex practices, alcohol, tobacco, and other drugs) to improve teaching and behavior modification effectiveness.

Credit Hours: 3

University Studies: Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.

HFE 415 - Adapted Physical Activity

Provide students theoretical and practical knowledge to plan and implement appropriate physical activity programs for individuals with disabilities in integrated and inclusive settings.

Credit Hours: 0

Prerequisite Courses: (EXS 216 with a C- or better and EXSL 216 with a C- or better) or (BIO 240 with a C- or better and BIOL 240 with a C- or better).
Additional Restrictions/Requirements: Senior standing, prerequisite courses, or consent of instructor.
University Studies: Writing Intensive, Information Literacy
Course Repeatability: Course may not be repeated.
Additional Course Fees: Additional Fee - General Professional Internship Liability Insurance Additional Course Fee Schedule

II. Concentration (37-43 hours)

Students must select one of the following concentrations:

K-12 Teacher Licensure Concentration (43 semester hours)

This concentration prepares students to become physical education and health teachers in K-12 schools. Students must obtain a 2.7 cumulative GPA and be admitted to the Watson College of Education prior to enrollment in EDN 352 and EDN 409.

EDN 200 - Teacher, School and Society

This course examines historical, sociological, and philosophical foundations of education as well as issues of diversity. The course engages students' knowledge, research, and analytical skills in relation to the goals and purposes of education. Students are challenged to critically reflect on personal and educational experiences as preservice professionals. The course is designed to provide opportunities to observe and engage in reflective discussion of curriculum and instructional practices, school governance and organization, and school-community relationships, inclusive of field experience. **Additional liability insurance expense may be necessary.** The lab for this course is EDNL 200.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in Our Diverse Nation, Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.

EDN 203 - Psychological Foundations of Teaching

A study of the major psychological variables that influence learning in schools and their applications to teaching. Addresses theories and systems of learning (behavioral, cognitive, constructivist, and humanistic); major developmental processes and typical characteristics; and principles of motivation. Variables explaining and accounting for individual differences will be examined, including cultural aspects of learning and special needs learners. Students will learn about practices associated with effective teaching, including classroom management, and standards for valid assessment of student learning.

Credit Hours: 3

University Studies: Approaches and

Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

EDN 303 - Instructional Technology

Emphasizes the design, selection, production, and evaluation of instructional materials, computer-generated presentations, and interactive multimedia, with particular emphasis on their effective integration into an instructional unit. Develops skill in the operation of media production equipment, including microcomputers, fundamentals of operating systems, computer software applications, networks, and telecommunications.

Credit Hours: 3

University Studies: Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

EDN 352 - Developing Reading and Writing Competence in the Middle Grades

Develops understanding of reading and writing processes in the broad context of communication. Presents strategies for fostering and evaluating interest, fluency, and skill in reading and writing, both in developmental literary classes and in middle level, content subjects. Topics include organizational and instructional strategies for the development of reading and writing ability, techniques for motivating and guiding readers and writers, and strategies for study and comprehension, which support learning in all areas of the middle school curriculum. Field experiences required.

Credit Hours: 3

Additional Restrictions/Requirements: Admission to the Watson School of Education.
University Studies: Building Competencies/Writing Intensive, Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

EDN 409 - Student Teaching

Physical education and music education majors do not need to take corequisite course. Students will be assigned full-time to practicum sites within their areas of specializations. During the course, students will engage in a variety of supervised instructional activities, assuming increasingly wider responsibility for class instruction. Practical are offered in the following areas of specialization: biology, chemistry, English, French, geology, history, mathematics, music, physical education (and health), physics, social studies, and Spanish.

Credit Hours: 12

Corequisite Courses: EDN 408
Additional Restrictions/Requirements: Corequisite course, and as specified for EDN 408.
University Studies: Explorations Beyond the Classroom, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

HEA 205 - Human Sexuality

Taught from a health educator perspective, focusing on empirically based information covering: human sexual response, development of sex roles and orientation, reproduction, birth control, and STI's. Provides opportunities for students to review their beliefs in the context of the historic, cultural and social factors that impact how we perceive sexuality.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

HEA 304 - Comprehensive School Health Education, Grades K-12

An overview of the school health education program. Emphasis on methods and materials for health instruction in grades K-12.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

HFE 300 - Principles of the edTPA: Teacher Performance Assessment

This course provides Healthful Living Education majors with opportunities to apply content and skills from their education coursework to teacher licensure assessments such as the edTPA. The course focuses on how teacher candidates can use educational theory, health behavior theory, academic language, differentiation, and developmentally appropriate practices to be successful in obtaining a teaching license in the state of North Carolina. Co-requisite: HEA 304 OR HFE 386.

Credit Hours: 1

Corequisite Courses: HEA 304
Additional Restrictions/Requirements: Restricted to Healthful Living and Fitness Education majors, K-12 Teacher Licensure Track.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 1
Major Restriction Healthful Living and Fitness Education

HFE 410 - Seminar in Physical Education

Culmination of professional study and initiation into student teaching and the teaching profession. Provides opportunities to extend and apply understandings of the roles of the teacher as a decision-maker, particularly in the areas of planning, instruction, management, and evaluation.

Credit Hours: 1

Prerequisite or Corequisite Courses: EDN 409 with a C- or better.
Course Repeatability: Course may not be repeated.

HFE 345 - Childhood Obesity

Focuses on the methods used in the assessment, prevention and treatment of childhood obesity. In addition, this course will examine the etiology of obesity and the role that human behaviors and an active lifestyle play in the overall health and well-being of children.

Credit Hours: 3

University Studies: Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.

HFE 386 - Physical Activity Pedagogy I

Provides students theory, technique, and methods of developing and implementing developmentally appropriate healthful living for grades K-5. Emphasis on teaching effectiveness, planning, writing learning objectives, integration of technology and contemporary curricular models. Field experience is required.

Credit Hours: 4

Prerequisite Courses: HFE 235 with a C- or better or PED 235 with a C- or better.
Course Repeatability: Course may not be repeated.

ATR 220 - Functional and Structural Kinesiology

Prerequisite: BIO 201; Corequisites: BIO 240, BIOL 240 and BIO 241, BIOL 241 or EXS 216, EXSL 216 and EXS 217. This course is designed to provide students with a foundation of structural anatomy and

basic kinesiology concepts, with a focus on anatomy of the skelton, muscles, and ligaments in relation to functional human movement.

Credit Hours: 3

Corequisite Courses: BIO 240 and BIOL 240 and BIO 241 and BIOL 241 and EXS 216 and EXSL 216 and EXS 217
Prerequisite Courses: BIO 201
Course Repeatability: Course may not be repeated.

Lifetime Fitness & Health Concentration (37 semester hours)

This concentration prepares students for a career in the health and fitness industry.

ATR 220 - Functional and Structural Kinesiology

Prerequisite: BIO 201; Corequisites: BIO 240, BIOL 240 and BIO 241, BIOL 241 or EXS 216, EXSL 216 and EXS 217. This course is designed to provide students with a foundation of structural anatomy and basic kinesiology concepts, with a focus on anatomy of

the skelton, muscles, and ligaments in relation to functional human movement.

Credit Hours: 3

Corequisite Courses: BIO 240 and BIOL 240 and BIO 241 and BIOL 241 and EXS 216 and EXSL 216 and EXS 217
Prerequisite Courses: BIO 201
Course Repeatability: Course may not be repeated.

EXS 321 - Biomechanics

Neuromuscular and mechanical principles of human movement with emphasis on movement analysis most often encountered in fitness activities and sport skills.

Credit Hours: 3

Prerequisite Courses: BIO 201 with a "C" or better, CHM 101 with a "C" or better, CHML 101 with a "C" or better, MAT requirement with a "C" or better (MAT 111 or MAT 112 or MAT 115 or MAT 151 or MAT 161 or MAT 160 with a "C" or better), (EXS 216 with a "C" or better and EXSL 216 with a "C" or better) or (BIO 240

with a "C" or better and BIOL 240 with a "C" or better) and (EXS 310 with a "C" or better OR CHHS 411 with a "C" or better).
Additional Restrictions/Requirements: Restricted to Preexercise Science (PEXS) or Exercise Science (EXS) majors only or permission by instructor at the time the course begins.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

EBD 280 - Entrepreneurship for Non-Business Majors

Primary focus on the entrepreneurial mindset and the process for starting a business. Specific areas include the characteristics of successful entrepreneurs, profiles of successful new businesses, identifying and evaluating new business opportunities, and developing the business plan. Social and developmental entrepreneurship are also addressed.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and

Behaviors
Course Repeatability: Course may not be repeated.

EXS 314 - Entrepreneurship, Leadership, and Legal Concepts in the Health and Fitness Industry

Introduction to legal aspects of amateur sport and physical activity emphasizing knowledge required of the exercise science and sport professional. Focus upon current terminology, legal procedures and operations, and case studies. Furthermore, this course will focus upon managerial theories and its applications in exercisescience and allied-health organizations. Specific topics include organizational theories, communication, leadership, motivation, managerial skills, functions of management, issues of policies, marketing, and financial aspects of management.

Credit Hours: 3

Prerequisite Courses: EXS 210.
Course Repeatability: Course may not be repeated.

GRN 101 - Introduction to Gerontology

Introduction to the social, psychological, physiological, and philosophical aspects of aging through reading, writing, and fieldwork.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

HEA 325 - Health and Aging

An introduction to health characteristics of the aging population. Topics include biomedical changes of various body systems and lifestyle factors such as nutrition, stress, drugs, exercise and sexuality. Field experience required.

Credit Hours: 3

Prerequisite Courses: GRN 101
Course Repeatability: Course may not be repeated.

LED 211 - Principles of Leadership

Introduction to leadership. Study of leadership theories, styles, and strategies. Emphasis on developing leadership skills in a variety of settings.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.

CHHS 350 - Leadership Skills for Adventure Exercise

This course is a 3-credit hour course designed to provide skills necessary for wilderness travel and outdoor adventure. It will emphasize effective leadership for adventure programming, knowledge of backpacking skills, wilderness and remote first aid, proper physical conditioning, route finding, equipment selection, and an understanding and respect for the environment. This course incorporates lecture sessions followed by an adventure trip, where students can apply course principals and skills. Specifically, we will meet face-to-face for 3 hours weekly over the final 10

weeks of school, experience a 4-day adventure trip over (add specific dates each semester here), and then reflect on the adventure experience upon our return (via online assignment).

Credit Hours: 3

Additional Restrictions/Requirements: This course will require participation in vigorous physical activity (i.e. over ground walking while wearing a backpack equivalent to about 30% of your body weight). Students must complete a Physical Activity Readiness Questionnaire (PAR-Q) on the first day of class. If deemed necessary, students must follow up and get approval to participate in the course from a medical doctor.
Course Repeatability: Course may be repeated.

MGT 350 - Principles of Management

Study of theories, research and concepts underlying the structure and processes of complex organizations. Emphasis on problem solving issues and applications in organization design, leadership, motivation and interpersonal communications.

Credit Hours: 3

Additional Restrictions/Requirements: Sophomore standing or admission to the Cameron School of Business.
University Studies: Approaches and Perspectives/Living in Our Diverse Nation, Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.

EXS 314 Entrepreneurship, Leadership, and Legal Concepts in the Health and Fitness Industry *OR* CHHS 350 Leadership Skills for Adventure Exercise

HFE 336 - Coaching, Sport, and Society

The application of philosophical and psychological knowledge and principles to the administration and coaching of sports. This course also explores the role of sports around the world, and how the games we watch and play shape identity, culture, and society.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Additional Course Fees: None

HFE 345 - Childhood Obesity

Focuses on the methods used in the assessment, prevention and treatment of childhood obesity. In addition, this course will examine the etiology of obesity and the role that human behaviors and an active lifestyle play in the overall health and well-being of children.

Credit Hours: 3

University Studies: Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.

WPA 210 - Plant-Based Living for Wellness

This course is designed to explore plant-based living including if plant-based diets may offset the world's population growth and environmental concerns related to factory farms and climate change, the role of plant-

based lifestyles, physical activity, and stress management in chronic disease prevention, reviewing scientific literature regarding plant-based living, and the principles of planning a healthful whole food plant-based meal plan.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

EXS 322 - Sports Nutrition

Relationship of exercise, physical activity, and performance to human nutrition. In-depth information on human energy systems, weight management, macronutrients, micronutrients, and ergogenic aids.

Credit Hours: 3

Prerequisite Courses: BIO 201 with a "C" or better, CHM 101 with a "C" or better, CHML 101 with a "C" or better, MAT requirement with a "C" or better (MAT 111 or MAT 112 or MAT 115 or MAT 151 or MAT 161 or MAT 160 with a "C" or better), EXS 310 with a "C" or better or CHHS 411 with a "C" or better.

Additional Restrictions/Requirements: Restricted to Preexercise Science (PEXS) or Exercise Science (EXS) majors only or permission of instructor at the time the course begins.

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

HFE 348 - Practicum in Lifetime Fitness and Health

Supervised practicum in a health and fitness setting. Relates theory to practical application in the field. Placements chosen from community, commercial, personal training, fitness and sports settings for people of all ages. Requires a minimum of 100 hours of field work.

Credit Hours: 3

Prerequisite Courses: HFE 390 with a C- or better or PED 390 with a C- or better.
University Studies: Explorations Beyond the Classroom

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

HFE 386 - Physical Activity Pedagogy I

Provides students theory, technique, and methods of developing and implementing developmentally appropriate healthful living for grades K-5. Emphasis on teaching effectiveness, planning, writing learning objectives, integration of technology and contemporary curricular models. Field experience is required.

Credit Hours: 4

Prerequisite Courses: HFE 235 with a C- or better or PED 235 with a C- or better.
Course Repeatability: Course may not be repeated.

CHHS 425 - Applications in Health and Wellness Coaching

In this course, students will learn and apply mindfulness, relationship and communication health and wellness coaching skills. This course will introduce students to evidence-based techniques such as motivational interviewing and solution focused coaching

to build capacity for lasting behavioral change. Coaching session and program structure and ethical and legal issues will be explored. The curriculum is aligned with the standards published by the National Board for Health and Wellness Coaching.

Credit Hours: 3

Corequisite Courses: CHHS 426.
Prerequisite Courses: CHHS 325.
Course Repeatability: Course may not be repeated.

AND

CHHS 426 - Health and Wellness Coaching Skills Lab

This course is designed to provide students with the opportunity to develop practical skills to become a capable, competent health and wellness coach. Students will engage in didactic learning with peers to practice health and wellness coaching skills. The course utilizes the standards published by the National Board for Health and Wellness Coaching to assess practical skills.

Credit Hours: 1

Corequisite Courses: CHHS 425.
Prerequisite Courses: CHHS 325.
Course Repeatability: Course may not be repeated.

HFE 390 - Advanced Concepts of Personal Training

This course provides students with the necessary theoretical competencies required of a qualified personal trainer. Each content domain covered on the NCSF national certification exam is supported by activities and teaching strategies so students may successfully challenge the NCSF-CPT exam upon completion of the program.

Credit Hours: 3

Prerequisite Courses: EXS 216 and EXSL 216
Course Repeatability: Course may not be repeated.

REC 380 - Marketing for Tourism, Recreation, and Sport

Development of marketing plans and strategies for recreation, sport and tourism industries. Emphasis on analyzing the marketing process and planning the marketing mix.

Credit Hours: 3

Additional Restrictions/Requirements: REC majors and minors only or permission of instructor.
University Studies: Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

Total Degree Requirements: 70-76 hours

Additional Information for Teacher Licensure:

Students within the K-12 Teacher Licensure Track are required to take 18 hours in an academic concentration area. Healthful Living and Fitness Education majors in the K-12 Teacher Licensure concentration are encouraged to the Community Health concentration. The 18 hours of health content for the Community Health concentration are satisfied through the completion of the following courses: HEA 205, HEA

207, HEA 210, HEA 304, HFE 221, and HFE 391 which are embedded within the degree core requirements and the K-12 Teacher Licensure concentration.

In order to be eligible for an internship, students must:

- Be admitted to the Watson College of Education
- Have a cumulative GPA of 2.7 or better
- Have completed all required education courses and ideally all academic major courses
- Complete an application for internship at least one semester in advance of the intended student teaching semester and attend orientation meetings
- Earn a grade of 'C-' or better in all required health and physical education courses.

Information Technology, B.S.

The Information Technology (IT) major is an interdisciplinary major shared by two departments: the Department of Computer Science in the College of Science and Engineering and the Congdon School of Supply Chain, Business Analytics, and Information Systems in the Cameron School of Business. Admission to the Cameron School of Business is not

required for students in the IT major. The program develops students' skills in the critical and practical understanding of information technology and prepares them for information technology-related work and/or further study at the graduate level. The curriculum provides a foundation for information technology professionals to have a perspective of the rapidly expanding and evolving science of technology and how it can be managed and leveraged to support business activities. The primary educational objective of the program is to produce graduates who can enter into and advance in the professions of information technology, as well as continue their education and obtain advanced degrees in this and related fields.

The B.S. Information Technology degree is offered with the following concentration areas: Business Application Development, Business Data Management, Cloud Computing, Computer Science, Criminology, Cyber Security, General Information Technology, and Networking and Communications.

Oral Communication Requirement

To satisfy the oral communication requirement for the B.S. degree in Information Technology a student must

successfully complete CSC 385, which is taken as part of the core requirements for the degree.

CSC 385 - Professional and Ethical Issues in Computing

Professional and ethical issues arising from the impact of computer science and related technologies on society. Topics include ethical issues, obligations of professional practice, privacy and security, intellectual property, work and health issues, and the impact of emerging technologies. Students give both oral and written presentations and discuss case studies.

Credit Hours: 3

Prerequisite Courses: ENG 101, and (CSC 131 with a minimum grade of "C").
Additional Restrictions/Requirements: Junior or senior standing in computer science or information technology or Digital Arts or Software Engineering
University Studies: Building Competencies/Writing Intensive, Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.
Major Restriction Computer Science or Information

Technology or Digital Arts or Software Engineering**Minor Restriction** Computer Science or Information Technology or Digital Arts or Software Engineering

Applied Learning Requirement

The Applied Learning Requirement for the B.S. degree in Information Technology is satisfied upon successful completion of MIS 411, which is taken as part of the core requirements for the degree.

MIS 411 - Information Systems Analysis

Processes and methods used for identifying and documenting information systems requirements and developing systems specifications. Topics include the systems development life cycle, analysis tools, development methodologies, and techniques for effective communication.

Credit Hours: 3

Prerequisite or Corequisite Courses: MIS 315.
Prerequisite Courses: Prerequisite: CIT 213 with a minimum grade of C-, or prerequisite/corequisite: MIS

315.
Additional Restrictions/Requirements: Admission to Cameron School of Business for students majoring in Business Administration, and students majoring in Information Technology B.S.
University Studies: Building Competencies/Information Literacy, Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.

Requirements for a Major in Information Technology for the B.S. Degree

A student must complete the following to fulfill the degree requirements. A grade point average of 'C' (2.00) or better computed over all the courses used to fulfill the requirements of the major is required. No grade below 'C-' will be accepted towards graduation in a core or required course.

Core Courses (30 Credit Hours)

CIT 110 - Fluency in Information Technology

Information representation, the Internet and HTML, algorithmic thinking and programming, language

translation, modeling and abstraction, algorithmic complexity and non-computability, machine architecture and parallel computation, networks and communication, database principles, multimedia, social impacts of computing.

Credit Hours: 3

University Studies: Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

CIT 225 - Linux Administration

Install, configure, securely administer Linux operating system platforms. Topics include Linux operating systems concepts, system installation and configuration, introduction to networking (protocols, IP addressing, ports, subnetting), security, firewalls, packet filtering, networked file systems, lightweight directory access protocol, virtualization, Linux-Windows integration, and Linux shell programming.

Credit Hours: 3

Prerequisite Courses: CSC 121 or CSC 131 with a grade of "C-" or better in either course, or instructor approval.
Course Repeatability: Course may not be repeated.

CIT 380 - Platform Technologies

Study of basic operation of platform technologies, including general purpose computers and peripherals, and communication infrastructure such as transmission systems (copper, wireless, optical fiber), networking and networking devices. Introduces digital data representation, including number systems and character encodings.

Credit Hours: 3

Prerequisite Courses: CIT 225 and MIS 352.
Course Repeatability: Course may not be repeated.

CIT 410 - Web Application Development

Structured approach to building and maintaining dynamic and interactive Web sites. Emphasis on application, design and development. Students gain a thorough understanding of server-side scripting, form

validation, and Web-site security while advancing their understanding of database design principles and SQL. Students create a database-driven Website.

Credit Hours: 3

Prerequisite Courses: MIS 310 or CSC 365.
Course Repeatability: Course may not be repeated.

CIT 425 - Human-Computer Interfaces

Human-computer interaction for information technology professionals. Analysis and design of systems from the point of view of HCI.

Credit Hours: 3

Prerequisite Courses: MIS 310
University Studies: Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

CYBR 324 - Network Security

Study of the concepts used when defending a network and exploration of the basic tools and techniques that

can be employed to protect a network and communication assets from cyber threats. Study of the knowledge required to administer and maintain a comprehensive enterprise security infrastructure. Introduction to common security architectures for the protection of information systems and data.

Credit Hours: 3

Prerequisite Courses: MIS 320 or MIS 323 or CSC 344
Additional Restrictions/Requirements: Admission to the Cameron School of Business or declared BS Cybersecurity or declared BS Information Technology or declared BS Computer Science or declared BS Intelligent Systems Engineering or declared Cybersecurity minor.
Course Repeatability: Course may not be repeated.
Major Restriction BS Cybersecurity or BS Information Technology or BS Computer Science or BS Intelligent Systems Engineering or BS Business Administration**Minor Restriction** Cybersecurity

MIS 310 - Web Development Languages

Study of the design and creation of web pages that support traditional screens, tablets, and smart devices. Topics include page structure, human-computer interface design, style sheets, reusability, and design concepts. Best industry practices in web development, such as client-side scripting languages and Search Engine Optimization (SEO) techniques, will also be considered.

Credit Hours: 3

Prerequisite or Corequisite Courses: or (CSC 112 or CSC 131 or MIS 216)
Prerequisite Courses: CIT 110 or MIS 213
Additional Restrictions/Requirements:

One prerequisite or corequisite course is required: Choose CIT 110 or MIS 213 as a prerequisite course or one of CSC 112, CSC 131, or MIS 216 as a pre- or corequisite course.

Admission to Cameron School of Business or declared BS Information Technology major or declared BS Cybersecurity major or declared BS Computer Science or declared BA Digital Arts or declared Cybersecurity minor or declared Digital

Arts minor.
Course Repeatability: Course may not be repeated. **Maximum Repeatable Hours:** 3
Major Restriction BS Business Administration or BS Information Technology or BS Cybersecurity or BS Computer Science or BA Digital Arts**Minor Restriction** Cybersecurity Minor or Digital Arts Minor

MIS 352 - Windows Systems Administration

Provides students with skill to perform basic operations involved in system administration of Microsoft Windows based systems. Provides students with the ability to apply methods such as managing applications, services, and network ports to improve the robustness of operating systems.

Credit Hours: 3

Prerequisite Courses: MIS 320 or MIS 323 or CSC 344 with a minimum grade of C-
Additional Restrictions/Requirements: Admission to Cameron School of Business or declared BS Information Technology major or declared BS

Cybersecurity major or declared BS Intelligent Systems Engineering major or declared Cybersecurity minor.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3
Major Restriction BS Business Administration or BS Information Technology or BS Cybersecurity or BS Intelligent Systems Engineering**Minor Restriction** Cybersecurity Minor

MIS 411 - Information Systems Analysis

Processes and methods used for identifying and documenting information systems requirements and developing systems specifications. Topics include the systems development life cycle, analysis tools, development methodologies, and techniques for effective communication.

Credit Hours: 3

Prerequisite or Corequisite Courses: MIS 315.
Prerequisite Courses: Prerequisite: CIT 213 with a minimum grade of C-, or prerequisite/corequisite: MIS 315.
Additional Restrictions/Requirements: Admission to

Cameron School of Business for students majoring in Business Administration, and students majoring in Information Technology B.S.
University Studies: Building Competencies/Information Literacy, Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.

MIS 480 - IT Resource Planning and Management

This course will explore the management and strategic alignment of IT resources within the organization. Topics include IT strategy, IT alignment, planning and managing technology resources and integration of emerging technology into the organization.

Credit Hours: 3

Prerequisite Courses: MIS 411 with a minimum grade of C-.
Additional Restrictions/Requirements: Admission to Cameron School of Business for students majoring in Business Administration, and students majoring in Information Technology B.S.

University Studies: Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

Required Courses (25 Credit Hours)

CIT 213 - Introduction to Databases: Techniques and Technologies

Fundamental concepts of database management systems, including advantages of using database management systems, data modeling, relational database design, query-building, security, privacy and ethical issues, and introductions to Web-based processing, Big Data concepts, and non-relational models.

Credit Hours: 3

Prerequisite Courses: CIT 110
Course Repeatability: Course may not be repeated.

CSC 131 - Introduction to Computer Science

Problem solving methods and algorithms in a modern high-level programming language. Introduces one or

more programming environments. Emphasis on a programming style and the design, coding, and testing of complete programs. Recommended primarily for computer science majors.

Credit Hours: 4

Prerequisite Courses: MAT 112 or MAT 150 or MAT 160.
University Studies: Common Requirements/Critical Reasoning, Foundations/Mathematics and Statistics
Course Repeatability: Course may not be repeated. You must achieve a 'C' (2.00) or better if you intend to use this course as a prerequisite for another course.

CSC 385 - Professional and Ethical Issues in Computing

Professional and ethical issues arising from the impact of computer science and related technologies on society. Topics include ethical issues, obligations of professional practice, privacy and security, intellectual property, work and health issues, and the impact of emerging technologies. Students give both oral and written presentations and discuss case studies.

Credit Hours: 3

Prerequisite Courses: ENG 101, and (CSC 131 with a minimum grade of "C").
Additional Restrictions/Requirements: Junior or senior standing in computer science or information technology or Digital Arts or Software Engineering
University Studies: Building Competencies/Writing Intensive, Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.
Major Restriction Computer Science or Information Technology or Digital Arts or Software Engineering**Minor Restriction** Computer Science or Information Technology or Digital Arts or Software Engineering

MIS 320 - Network Fundamentals

Introduction to the OSI model, network topologies, IP addressing and subnet masks, simple routing techniques, and basic switching terminology. Topics include the basic functions of the seven layers of the OSI model, different classes of IP addressing and subnetting, router login scripts.

Credit Hours: 3

Prerequisite or Corequisite Courses: CIT 110 or CYBR 201 or MIS 213
Additional Restrictions/Requirements: Admission to Cameron School of Business or declared BS Cybersecurity major or declared BS Information Technology major or declared Cybersecurity minor
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3
Major Restriction BS Business Administration or BS Cybersecurity or BS Information Technology**Minor Restriction** Cybersecurity Minor

CSC 344 - Computer Networks

Introduction to computer networks, focusing on Internet architecture and protocols. Topics include layered network architectures, addressing, naming, forwarding, routing, communication reliability, client-server model, distributed computing, web and email protocols, and network security. Students acquire practical experience by using a network protocol analyzer and programming reduced versions of real Internet protocols.

Credit Hours: 3

Prerequisite or Corequisite Courses: CSC 231 or CYBR 251, or instructor approval.
Course Repeatability: Course may not be repeated.

CSC 133 - Discrete Mathematical Structures

Introduction to discrete mathematics applicable to computer science. Propositional and predicate logic, basic proof techniques, set algebra and Boolean algebra, recursion and induction, and introductory graphs and combinatorics.

Credit Hours: 3

Prerequisite Courses: MAT 112 or MAT 150 or MAT 160.
University Studies: Foundations/Mathematics and Statistics
Course Repeatability: Course may not be repeated.

MIS 315 - Management of Database Systems

Study of the design and administration of database systems in a business environment. The relational model is used along with database management software to facilitate the communication and distribution of data and its conversion into information, with an emphasis on sound design principles. Topics include entity-relationship modeling, normalization, and the structured query language (SQL).

Credit Hours: 3

Prerequisite Courses: MIS 213 or CIT 213
Course Repeatability: Course may not be repeated.

MIS 316 - Business Application Development

Intermediate programming in an event driven, rapid application development context. Emphasis is on writing high-quality code that is easy to debug, test, and maintain, culminating in database interaction.

Credit Hours: 3

Prerequisite or Corequisite Courses: and MIS 216 and MIS 315

Prerequisite Courses: CSC 112 or CSC 131
Additional Restrictions/Requirements: Students must take MIS 315 as a prerequisite or corequisite. Students must also take one of the following three courses (CSC 112 or CSC 131 as a prerequisite) or (MIS 216 as a prerequisite/corequisite).
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3
Major Restriction BS Business Administration or BS Information Technology

BAN 280 - Statistical Analysis for Business and Economics

Classification and presentation of business and economics data, probability and expected value, statistical inference, simple linear regression and correlation analysis.

Credit Hours: 3

Prerequisite Courses: MAT 111 or MAT 150.
University Studies: Foundations/Mathematics and Statistics
Course Repeatability: Course may not be repeated.

STT 215 - Introduction to Statistics

Methods of data collection; numerical and graphical analyses of univariate and bivariate data; axioms of probability; conditional probability; independence; distributions of random variables; introduction to confidence intervals and hypothesis testing; simple linear regression and correlation; use of statistical software to analyze data and simulate random variables.

Credit Hours: 3

University Studies: Foundations/Mathematics and Statistics
Course Repeatability: Course may not be repeated.

Concentration Courses (12-13 Credit Hours)

Students choose one of the following concentrations. Students who wish to complete two concentrations may simultaneously apply up to 3 credit hours of course work towards both concentrations if the course is approved in both concentrations. Students may, with prior approval of the Dean's Office, select four three-credit hour courses in MIS, CIT, or CSC undergraduate

courses numbered 300 and above for the generalist concentration. Students who pursue the General Information Technology concentration may not complete a second concentration. A grade of C- or better is required in the 12 hours of coursework approved for the concentration.

Business Applications Development (12 Credit Hours)

Business Applications Development is the process of creating computer programs to perform the different tasks that a business requires. Applications help businesses interact with customers, automate processes, and increase efficiency. Graduates of the BAD concentration know how to manage the key steps of the app building process and deliver apps of value.

Required Course (3 Credit Hours)

MIS 419 - Information Technology Project Management

This course introduces the fundamentals of project management, beginning with project definition through the post-project review. There will be emphasis placed

on applying project management concepts and techniques to information system projects. This includes consideration of project planning, scheduling, budgeting, human resources and the consideration of change management required to implement projects.

Credit Hours: 3

Prerequisite or Corequisite Courses: MIS 411.
Additional Restrictions/Requirements: Admission to Cameron School of Business for students majoring in Business Administration and students majoring in Information Technology B.S.
Course Repeatability: Course may not be repeated.

Concentration Electives (9 Credit Hours)

Choose three courses from the following:

CSC 315 - Mobile Application Development

Concepts and technologies for developing applications on mobile devices, including mobile-platform programming, memory-management, object-oriented paradigms, model-view-controller design, mobile-centric frameworks for networking, multimedia,

location-based services, and interface design. Application design, programming, and implementation for a current mobile platform.

Prerequisite Courses: CSC 331 with a minimum grade of "C".
Course Repeatability: Course may not be repeated.

CSC 331 - Object-Oriented Programming and Design

Object-oriented programming with a focus on software modeling of objects, classes, methods, inheritance, interfaces, polymorphism, and multi-threading. Completion of a team software project is required.

Credit Hours: 3

Prerequisite Courses: CSC 231 with a minimum grade of C.
Additional Restrictions/Requirements: A grade of 'C' (2.00) or better is required for taking courses for which CSC 331 is a prerequisite.
Course Repeatability: Course may not be repeated.

CYBR 364 - Web Applications Security

Introduction to web application security principles focusing on identifying and mitigating top ten vulnerabilities through common application testing methodologies. Exploration of various web application architectures and backend & frontend technologies. Hands-on application of security testing tools and techniques to assess and enhance the security posture of web applications throughout their development life cycle.

Credit Hours: 3

Prerequisite Courses: CSC 131 or MIS 316
Additional Restrictions/Requirements: Admission to Cameron School of Business or declared Cybersecurity major or declared Information Technology major or declared Cybersecurity minor.
Course Repeatability: Course may not be repeated.
Major Restriction BS Cybersecurity or BS Information Technology**Minor Restriction** Cybersecurity

MIS 303 - Programming for Analytics

This course introduces the essential general programming concepts and techniques for data

analytics. Students will learn programming foundations, application development, and how to integrate applications with business operations. The course covers hands-on issues in programming for analytics, which includes accessing data, manipulating data objects, analyzing data using common statistical methods, generating reproducible statistical reports, and creating informative visualizations.

Credit Hours: 3

Prerequisite Courses: MIS 213 or CIT 110
Additional Restrictions/Requirements: Admission to Cameron School of Business or declared BS Information Technology major.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3
Major Restriction BS Business Administration or BS Information Technology

MIS 328 - Application Lifecycle Management

Modern software development processes, practices, and management. Topics include development operations (DevOps) techniques such as configuration

management, platform deployment and testing & monitoring of applications. Students will have hands-on experience with an enterprise level application lifecycle management system.

Credit Hours: 3

Prerequisite Courses: MIS 316
Additional Restrictions/Requirements: Admission to Cameron School of Business or declared BS Information Technology major.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3
Major Restriction BS Business Administration or BS Information Technology

MIS 331 - Mobile Applications Development

The course focuses on cross platform development of mobile applications. Topics covered include mobile app development with integration and interface design, working with persistent data, list, hardware/sensors and business issues including app publishing and distribution. Course delivery includes lectures, hands-on exercises, and projects covering app development

across various platforms.

Credit Hours: 3

Prerequisite Courses: MIS 216
Additional Restrictions/Requirements: Admission to Cameron School of Business or declared BS Information Technology major.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3
Major Restriction BS Business Administration or BS Information Technology

MIS 413 - Systems Design/Capstone Project

Involves the analysis, design and implementation of a real world project employing a 3-tier development process. New skills introduced include advanced web development concepts, emerging web tools, and project management. Topics expanded are database design, systems analysis and design, UML, and technical communication.

Credit Hours: 3

Prerequisite Courses: MIS 316 and MIS 411.
Additional Restrictions/Requirements:
Admission to Cameron School of Business for students majoring in Business Administration, and students majoring in Information Technology B.S.

University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.

Business Data Management (12 Credit Hours)

Business Data Management is the practice of collecting, keeping, and using business data securely, efficiently, and cost-effectively. Graduates of the BDM concentration know how to create, access, and update data across a diverse data tier; store data in the cloud and on premises; provide high availability and disaster recovery; utilize data in various apps and systems; ensure data privacy.

Required Course (3 Credit Hours)

MIS 327 - Data Center Management

This course introduces fundamentals of storage, networking, and computing infrastructure in a modern data center environment; terminology and basic concepts relating to storage, networking, and computing technologies. Data Center architecture and enabling concepts such as virtualization, pooling, provisioning, monitoring, scaling, business continuity, backup, replication, cloud computing, security, flexibility, management, and cost considerations are covered.

Credit Hours: 3

Prerequisite Courses: MIS 213 or CIT 213
Additional Restrictions/Requirements: Admission to Cameron School of Business or declared BS Information Technology major or declared BS Cybersecurity major
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

Major Restriction BS Business Administration or BS Information Technology or BS Cybersecurity

Concentration Electives (9 Credit Hours)

Choose three courses from the following. At least three credit hours of the concentration electives must come from courses with an MIS prefix.

BAN 305 - Introduction to Business Analytics

Application of statistical methods to business problems; topics include chi-square analysis, the F distribution, one-way and two-way analysis of variance, simple and multiple regression analysis, and introduction to forecasting with regression models; use of computer programs in solving statistical problems.

Credit Hours: 3

Prerequisite Courses: BAN 280.
Course Repeatability: Course may not be repeated.

BAN 306 - Communicating Data with Storytelling

This course provides an introduction as well as hands-on experience in descriptive analytics and data visualization. It introduces students to principles for creating meaningful analysis and displays of quantitative and qualitative data to facilitate managerial decision-making.

Credit Hours: 3

Prerequisite Courses: MATH 111 or MATH 150 or MATH 160
Additional Restrictions/Requirements: Admission to Cameron School of Business or declared BS Information Technology major
University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.
Major Restriction BS Business Administration or BS Information Technology

BAN 402 - Predictive Analytics

Leveraging data to add value to business is of critical importance in our modern society. This course will focus on the analysis of data in order to create

predictions and will examine a variety of predictive techniques to extract information from data. These topics will include: multiple linear regression, logistic regression, classification, clustering, text mining, neural networks, and others. This course will also discuss the challenges presented by large datasets and describe techniques such as data cleaning and visualization.

Credit Hours: 3

Prerequisite or Corequisite Courses: BAN 305.
Prerequisite Courses: BAN 304.
Additional Restrictions/Requirements: Admission to Cameron School of Business and student in the BAN minor.
Course Repeatability: Course may not be repeated.
Major Restriction Information Technology (IT)**Minor Restriction** Business Analytics (BAN)

BAN 403 - Optimizing Data-driven Decisions

Prescriptive Analytics deals with developing analytical models to solve business problems. Prescriptive models are used when a business needs to optimize

operational decisions. The solution from these models provide the best solution (profit maximization, cost minimization, minimization of resource utilization, etc.) to the operational decision problems. Students will use MS Excel and AMPL as software tools for optimization in this course.

Credit Hours: 3

Prerequisite Courses: BAN 304.
Additional Restrictions/Requirements: Admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.

CYBR 322 - Information Assurance

Exploration of the concepts of information assurance, audit and security assessment to measure compliance with applicable laws and regulations, and cyber risk management. Hands-on experience applying the NIST Risk Management Framework to government systems to protect the system's unique mission.

Prerequisite Courses: CYBR 201
Additional Restrictions/Requirements: Admission to

the Cameron School of Business or declared BS Cybersecurity or declared BS Information Technology or declared BS Computer Science or declared BS Intelligent Systems Engineering or declared Cybersecurity minor
Course Repeatability: Course may not be repeated.
Major Restriction BS Cybersecurity or BS Information Technology or BS Computer Science or BS Intelligent Systems Engineering or BS Business Administation**Minor Restriction** Cybersecurity

MIS 303 - Programming for Analytics

This course introduces the essential general programming concepts and techniques for data analytics. Students will learn programming foundations, application development, and how to integrate applications with business operations. The course covers hands-on issues in programming for analytics, which includes accessing data, manipulating data objects, analyzing data using common statistical methods, generating reproducible statistical reports, and creating informative visualizations.

Credit Hours: 3

Prerequisite Courses: MIS 213 or CIT 110
Additional Restrictions/Requirements: Admission to Cameron School of Business or declared BS Information Technology major.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3
Major Restriction BS Business Administration or BS Information Technology

MIS 305 - Data Visualization

This course provides design principles for creating displays of quantitative and qualitative data to facilitate managerial decision-making. The use of popular and powerful data visualization and dashboarding software tools is emphasized.

Credit Hours: 3

Prerequisite Courses: BAN 305
Additional Restrictions/Requirements: Admission to Cameron School of Business or declared BS Information Technology major.
Course Repeatability: Course may not be repeated.

Maximum Repeatable Hours: 3
Major Restriction BS Business Administration or BS Information Technology

MIS 306 - Text Data Analytics

The past decade has witnessed an explosion of digital text-based data produced by social media platforms, websites, emails, and the digitization of historical archives. These new data sources hold enormous potential to address a range of problems in various fields. Quantitative text analytics techniques allow us to derive insights from these data. This course explores methods for pre-processing, analyzing, and visualizing text-based data. Students will use current software tools to perform data analytics.

Credit Hours: 3

Prerequisite Courses: BAN 280 or STT 215
Additional Restrictions/Requirements: Admission to Cameron School of Business or declared BS Information Technology major.

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3
Major Restriction BS Business Administration or BS Information Technology

MIS 326 - Digital Transformation in Business

Introduction to the intersection of digital technologies and the transformation of modern business functions. Focus on cloud computing, the Internet of Things, and artificial intelligence, with consideration of business strategies, models, and operations. Based on real-world case discussions and hands-on exercises with practice in critical thinking and other soft skills.

Credit Hours: 3

Prerequisite Courses: MIS 213 or CIT 110
Additional Restrictions/Requirements: Admission to Cameron School of Business or declared BS Information Technology major
Course Repeatability: Course may not be repeated.

Major Restriction BS Business Administration or BS Information Technology

MIS 329 - Reporting and Business Intelligence

Modern operational reporting and business intelligence (BI) techniques facilitate enterprise decision making by supporting data manipulation, analysis, and visualization. This class is a study of reporting and BI processes, practices, and management and their role in enterprise decision making. Topics include data manipulation and analysis, data visualization, interactive dashboards, reporting, charting, and graphs generation. The class will consist of hands-on experience with a modern, enterprise-level report writing software.

Credit Hours: 3

Prerequisite Courses: MIS 213 or CIT 213
Additional Restrictions/Requirements: Admission to Cameron School of Business or declared BS Information Technology major.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

Major Restriction BS Business Administration or BS Information Technology

MIS 330 - Data Storage and Management

Design, construction, and management of hybrid storage. Topics include storage of documents, key-value pairs, objects, files, tables and caches, data and storage area networks. Techniques to be covered include replication, compression, authentication, authorization, load balancing, and data management. The course includes hands-on experience with modern, enterprise-level storage products.

Credit Hours: 3

Prerequisite Courses: MIS 327
Additional Restrictions/Requirements: Admission to Cameron School of Business or declared BS Information Technology major.
Course Repeatability: Course may not be repeated. **Maximum Repeatable Hours:** 3
Major Restriction BS Business Administration or BS Information Technology

Cloud Computing (12 Credit Hours)

Cloud computing is essential for information technology practitioners as it provides specialized knowledge and skills that align with the increasing demand for cloud-based solutions in the industry. This concentration equips professionals with the expertise needed to effectively design and manage cloud infrastructures, making them more competitive in a rapidly evolving job market.

Required Courses (9 Credit Hours)

CIT 301 - Cloud Computing & Virtualization

Survey, configuration, and deployment of cloud computing technologies and services, including but not limited to: virtualization environments, SaaS, PaaS, DaaS, IaaS, mass storage, virtualization compute resources, SQL and non-SQL databases, cloud development tools, deployment models, load balancing, automatic provisioning, Internet of Things, VPNs, firewalls, security, two-factor authentication, legal/privacy issues.

Credit Hours: 3

Corequisite Courses: Co-requisite: CSC 344 or MIS 320.
Prerequisite Courses: Prerequisite: CIT 225.
Course Repeatability: Course may not be repeated.

CIT 361 - Cloud DevOps

An exploration of DevOps practices in cloud environments. Students learn how to leverage cloud infrastructure, automation tools, and continuous integration/continuous deployment (CI/CD) pipelines to streamline development and delivery. Students are equipped to implement and manage cloud-based DevOps pipelines.

Credit Hours: 3

Prerequisite Courses: CIT 301 and MIS 316
Course Repeatability: Course may not be repeated.

CYBR 431 - Cloud Security

Introduction to cloud security architecture and exploration of the guiding security design principles, design patterns, industry standards, and associated

technologies. Study of regulatory compliance requirements critical to the design, implementation, delivery, and management of secure cloud-based services.

Credit Hours: 3

Prerequisite Courses: CIT 301.
Course Repeatability: Course may not be repeated.

Concentration Electives (3 Credit Hours)

Choose one course from the following:

CIT 461 - Cloud Web Services

An in-depth exploration of a cloud platform including learning to use the platform to develop scalable, secure, and efficient web applications. Topics include serverless computing, databases, storage solutions, and APIs. Provides students with the tools to design and implement cloud-native web applications.

Credit Hours: 3

Prerequisite Courses: CIT 361 and CYBR 431
Course Repeatability: Course may not be repeated.

CIT 498 - Internship in Information Technology

Academic training and practical experience through work in a private company or public agency. Faculty supervision and evaluation of all study and on-site activity. Written experience report and oral presentation required.

Credit Hours: 1 To 3

Additional Restrictions/Requirements: Junior or senior standing.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6
Additional Course Fee Schedule

Computer Science (13 Credit Hours)

The computer science concentration provides students with a more in-depth understanding of computer programming and allows students to take higher level courses in database management, client and server-side web programming, and mobile app development.

Required Courses (7 Credit Hours)

CSC 231 - Introduction to Data Structures

Study of basic data structures and their applications. Lists and trees; searching and sorting algorithms; hashing; analysis and design of efficient algorithms. Recommended for CSC majors only. A grade of 'C' (2.00) or better is required for taking courses for which CSC 231 is a prerequisite.

Credit Hours: 4

Corequisite Courses: CSC 133
Prerequisite Courses: CSC 131 with a minimum grade of C
Course Repeatability: Course may not be repeated.

CSC 331 - Object-Oriented Programming and Design

Object-oriented programming with a focus on software modeling of objects, classes, methods, inheritance, interfaces, polymorphism, and multi-threading. Completion of a team software project is required.

Credit Hours: 3

Prerequisite Courses: CSC 231 with a minimum grade of C.
Additional Restrictions/Requirements: A grade of 'C' (2.00) or better is required for taking courses for which CSC 331 is a prerequisite.
Course Repeatability: Course may not be repeated.

Concentration Electives (6 Credit Hours)

Choose two courses from the following:

CSC 315 - Mobile Application Development

Concepts and technologies for developing applications on mobile devices, including mobile-platform programming, memory-management, object-oriented paradigms, model-view-controller design, mobile-centric frameworks for networking, multimedia, location-based services, and interface design. Application design, programming, and implementation for a current mobile platform.

Prerequisite Courses: CSC 331 with a minimum

grade of "C".
Course Repeatability: Course may not be repeated.

CSC 355 - Database Design and Implementation

Introduction to database concepts and database management systems. Topics include data models (hierarchical, network, relational, parallel, distributed and NoSQL), data modeling, data description languages, data manipulation languages, database administration, data warehouses, and front-end development. A group project designing and implementing a relational database is required.

Prerequisite Courses: CSC 231 (with a minimum grade of C)
Additional Restrictions/Requirements: Junior or senior standing, or permission of instructor**.**
Course Repeatability: Course may not be repeated.

CSC 365 - Client-Side Web Development

Development of applications for the World Wide Web focusing on client-side languages. Introduction to current principles, standards, and best practices in website design, usability, accessibility, and

management through project-based skills. Development in standards-compliant markup, styling, and scripting, including web services programming.

Credit Hours: 3

Prerequisite Courses: CSC 231 or permission of instructor.
Course Repeatability: Course may not be repeated.

CSC 465 - Server-Side Web Development

Hands-on development of dynamic web applications via server-side languages and corresponding database APIs; implementation of industry best practices regarding data; secure authentication; digital certificates; session-handling; introduction to cryptography and e-commerce. Practical experience with form validation and website security using database principles and query techniques.

Credit Hours: 3

Prerequisite or Corequisite Courses: CSC 365 or

permission of instructor.
Course Repeatability: Course may not be repeated.

Criminology (12 Credit Hours)

Assumes completion of CRM 105 to fulfill university studies credit for "Understanding Human Institution Behaviors." By applying criminological principles, IT professionals can better anticipate potential threats and design systems that mitigate risks, ultimately enhancing the overall security posture of organizations.

Required Course (3 Credit Hours)

CRM 310 - White Collar Crime

Study of crimes of the powerful and the privileged. Topics include: corporate crime; environmental crime; antitrust violations; political bribery; corruption; tax evasion; fraud; embezzlement; conflict of interest.

Credit Hours: 3

Prerequisite Courses: CRM 105
Course Repeatability: Course may not be repeated.

Concentration Electives (9 Credit Hours)

Choose three courses from the following:

CRM 255 - Criminology

May not be taken for credit if student has already completed SOC 256 or CRM 256. The scientific study of the nature, extent, correlates and etiology of crime, with an emphasis on sociological theories of crime. Topics include crimes against persons and property, public order crimes, and both informal and formal reactions to crime.

Credit Hours: 3

Prerequisite Courses: CRM 105or SOC 105
University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Crosslisting: SOC 255
Course Repeatability: Course may not be repeated.

CRM 301 - Sociological Data Analysis and Interpretation

Instruction in computer-assisted univariate and bivariate analysis and interpretation of social science

data. This course satisfies the department computer competency requirement.

Credit Hours: 3

Prerequisite Courses: CRM 105 or SOC 105, and CRM 300 or SOC 300, STT 215 or MAT 101 or higher (excluding MAT 141, MAT 142)
University Studies: Common Requirements/Critical Reasoning
Crosslisting: SOC 301
Course Repeatability: Course may not be repeated.

CRM 390 - Media, Crime, and Justice

Examination of the relationship between mass media, crime, and criminal justice with special emphasis on how media images affect crime and justice attitudes, ideology, and policy. Includes examination of entertainment and news media in both electronic and print forms.

Credit Hours: 3

Prerequisite Courses: CRM 105
Course Repeatability: Course may not be repeated.

CRM 460 - Crime and Public Policy

Study of crime policies in the justice system with emphasis on theoretical and empirical merits of various crime reduction strategies. Qualitative and quantitative methods used to evaluate crime control policies.

Credit Hours: 3

Prerequisite Courses: CRM 105
Additional Restrictions/Requirements: Prerequisite course and 3 additional hours in CRM.
Course Repeatability: Course may not be repeated.

CYBR 366 - Digital Forensics

Introduction to digital forensics and evidence-handling techniques for different types of information technologies and forms of data. Exploration of the basic principles of digital forensics. Introduction to the legal requirements for collecting, seizing, and protecting digital evidence. Application of digital forensics techniques throughout an investigation life cycle.

Credit Hours: 3

Prerequisite or Corequisite Courses: CYBR 324
Additional Restrictions/Requirements: Admission to the Cameron School of Business or declared BS Cybersecurity or declared BS Information Technology or declared BS Computer Science or declared BS Intelligent Systems Engineering or declared Cybersecurity minor
Course Repeatability: Course may not be repeated.
Major Restriction BS Cybersecurity or BS Information Technology or BS Computer Science or BS Intelligent Systems Engineering or BS Business Administration**Minor Restriction** Cybersecurity

CIT 498 - Internship in Information Technology

Academic training and practical experience through work in a private company or public agency. Faculty supervision and evaluation of all study and on-site activity. Written experience report and oral presentation required.

Credit Hours: 1 To 3

Additional Restrictions/Requirements: Junior or senior standing.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6
Additional Course Fee Schedule

Cybersecurity (12 Credit Hours)

Students completing the cybersecurity concentration will graduate with essential skills needed as part of the Center of Academic Excellence in Cyber Defense Education (CAE-CD) designated by the NSA and the DHS and will have the skills necessary for thinking critically about cybersecurity issues.

Required Courses (9 Credit Hours)

CYBR 201 - Fundamentals of Cybersecurity

Introduction to fundamental cybersecurity concepts. Exploration of the basic security design principles needed to create systems worthy of trust. Introduction to IT system components and their roles in system operation. Consideration of the processes and regulations associated with operational analysis and evaluation, including approval authorities and

processes.

Credit Hours: 3

University Studies: Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

CYBR 322 - Information Assurance

Exploration of the concepts of information assurance, audit and security assessment to measure compliance with applicable laws and regulations, and cyber risk management. Hands-on experience applying the NIST Risk Management Framework to government systems to protect the system's unique mission.

Prerequisite Courses: CYBR 201
Additional Restrictions/Requirements: Admission to the Cameron School of Business or declared BS Cybersecurity or declared BS Information Technology or declared BS Computer Science or declared BS Intelligent Systems Engineering or declared Cybersecurity minor
Course Repeatability: Course may not be repeated.

Major Restriction BS Cybersecurity or BS Information Technology or BS Computer Science or BS Intelligent Systems Engineering or BS Business Administation**Minor Restriction** Cybersecurity

CYBR 365 - Ethical Hacking

Introduction to organizational security posture improvement through penetration testing and ethical hacking. Study of ways to exploit vulnerabilities to gain access to a system. Exploration of common security architectures for the protection of information systems and data.

Credit Hours: 3

Prerequisite Courses: CIT 225 and MIS 352
Additional Restrictions/Requirements: Admission to the Cameron School of Business or declared BS Cybersecurity or declared BS Information Technology or declared BS Computer Science or declared BS Intelligent Systems Engineering or declared Cybersecurity minor.
Course Repeatability: Course may not be repeated.
Major Restriction BS Cybersecurity or BS Information

Technology or BS Computer Science or BS Intelligent Systems Engineering or BS Business Administration**Minor Restriction** Cybersecurity

Concentration Electives (3 Credit Hours)

Choose one course from the following:

CIT 301 - Cloud Computing & Virtualization

Survey, configuration, and deployment of cloud computing technologies and services, including but not limited to: virtualization environments, SaaS, PaaS, DaaS, IaaS, mass storage, virtualization compute resources, SQL and non-SQL databases, cloud development tools, deployment models, load balancing, automatic provisioning, Internet of Things, VPNs, firewalls, security, two-factor authentication, legal/privacy issues.

Credit Hours: 3

Corequisite Courses: Co-requisite: CSC 344 or MIS 320.
Prerequisite Courses: Prerequisite: CIT 225.
Course Repeatability: Course may not be repeated.

CYBR 245 - Cryptography and Data Security

Introduction to basic concepts in cryptography, including encryption/decryption, sender authentication, data integrity, non-repudiation, attack classification (ciphertext-only, known plaintext, chosen plaintext, chosen ciphertext), secret key (symmetric) cryptography and public key (asymmetric) cryptography, and information-theoretic security (one-time pad, Shannon Theorem). Introduction to data security topics authenticity, anonymity, and integrity.

Credit Hours: 3

Prerequisite Courses: CYBR 201 with a C or better and CSC 131 with a C or better.
Additional Restrictions/Requirements: CYBR 201 with a C or better and CSC 131 with a C or better.
Course Repeatability: Course may not be repeated.

CYBR 251 - Secure Programming Foundations

Exploration of programming and machine constructs behind code vulnerabilities and best practices for developing secure programs. Introduction to low-level code mechanics in C and assembly language

frequently leveraged in code exploitation. Study of programming principles that guard against software vulnerabilities, including pointers, hardware control, overflows, input sanitization, data obfuscation, secure design, and static analysis.

Credit Hours: 3

Prerequisite Courses: CSC 131.
Course Repeatability: Course may not be repeated.

CYBR 362 - Information Assurance Policy

Exploration of Information Assurance (IA) policies and frameworks from the organizational mechanics of developing policies to the psychology of implementation. Review of various information security and assurance concepts in clear, simple terms such as governance, regular mandates, business drivers, legal considerations and more while effectively balancing technical knowledge and soft skills.

Credit Hours: 3

Prerequisite Courses: CYBR 322

Additional Restrictions/Requirements: Admission to Cameron School of Business or declared Cybersecurity major or declared Information Technology major or declared Cybersecurity minor
Course Repeatability: Course may not be repeated.
Major Restriction BS Cybersecurity and BS Information Technology**Minor Restriction** Cybersecurity

CYBR 364 - Web Applications Security

Introduction to web application security principles focusing on identifying and mitigating top ten vulnerabilities through common application testing methodologies. Exploration of various web application architectures and backend & frontend technologies. Hands-on application of security testing tools and techniques to assess and enhance the security posture of web applications throughout their development life cycle.

Credit Hours: 3

Prerequisite Courses: CSC 131 or MIS 316
Additional Restrictions/Requirements: Admission to

Cameron School of Business or declared Cybersecurity major or declared Information Technology major or declared Cybersecurity minor.
Course Repeatability: Course may not be repeated.
Major Restriction BS Cybersecurity or BS Information Technology**Minor Restriction** Cybersecurity

CYBR 366 - Digital Forensics

Introduction to digital forensics and evidence-handling techniques for different types of information technologies and forms of data. Exploration of the basic principles of digital forensics. Introduction to the legal requirements for collecting, seizing, and protecting digital evidence. Application of digital forensics techniques throughout an investigation life cycle.

Credit Hours: 3

Prerequisite or Corequisite Courses: CYBR 324
Additional Restrictions/Requirements: Admission to the Cameron School of Business or declared BS Cybersecurity or declared BS Information Technology or declared BS Computer Science or declared BS Intelligent Systems Engineering or declared

Cybersecurity minor
Course Repeatability: Course may not be repeated.
Major Restriction BS Cybersecurity or BS Information Technology or BS Computer Science or BS Intelligent Systems Engineering or BS Business Administration**Minor Restriction** Cybersecurity

MIS 363 - Advanced Telecommunications

The architecture, components, operations, and security of routers and switches in small networks, introduction to wireless local area networks (WLAN) and to scale for large, complex networks, including wide area network (WAN) technologies are described. The course emphasizes network security concepts and introduces network virtualization and automation. Students learn how to configure, troubleshoot, and secure enterprise network devices and understand how application programming interfaces (API) and configuration management tools enable network automation.

Credit Hours: 3

Prerequisite Courses: MIS 320
Additional Restrictions/Requirements: Admission to

Cameron School of Business or declared BS Information Technology major or declared BS Cybersecurity major or declared Cybersecurity minor.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3
Major Restriction BS Business Administration or BS Information Technology or BS Cybersecurity**Minor Restriction** Cybersecurity Minor

MIS 367 - Emerging Network Technologies

This course investigates cloud computing models, techniques, and architectures. Cloud computing has evolved as a very important computing model, which enables information, software, and other shared resources to be provisioned over the network as services in an on-demand manner. Students will be exposed to the current practices in cloud computing. Topics may include distributed computing models and technologies, Infrastructure-as-a-Service (IaaS), Platform-as-a-Service (PaaS), Software-as-a-Service (SaaS), virtualization, security and privacy issues, performance and system issues, capacity planning, disaster recovery, Cloud OS, federated clouds, challenges in implementing clouds, data centers,

hypervisor CPU and memory equipment, cloud-hosted applications, and other advanced and research topics in cloud computing. Course work will include homework assisgnments, presentations, and a term project that will provide exposure to scientific research in cloud computing.

Credit Hours: 3

Prerequisite Courses: MIS 320
Additional Restrictions/Requirements: Admission to Cameron School of Business or declared BS Information Technology major or declared Cybersecurity minor.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3
Major Restriction BS Business Administration or BS Information Technology**Minor Restriction** Cybersecurity Minor

General Information Technology (12 Credit Hours)

A general technologist has the option to select courses and IT areas of interest. They can use those skills to determine how best to improve a specific industry and

how to incorporate new technology and solve problems.

Networking and Communications (12 Credit Hours)

Networking and telecommunications form the backbone of effective communication and data transfer within and between organizations. Mastering these skills enables IT professionals to design, implement, and troubleshoot network infrastructures, ensuring reliable connectivity and optimal performance for users and applications.

Required Courses (9 Credit Hours)

CIT 301 - Cloud Computing & Virtualization

Survey, configuration, and deployment of cloud computing technologies and services, including but not limited to: virtualization environments, SaaS, PaaS, DaaS, IaaS, mass storage, virtualization compute resources, SQL and non-SQL databases, cloud development tools, deployment models, load balancing, automatic provisioning, Internet of Things, VPNs, firewalls, security, two-factor authentication, legal/privacy issues.

Credit Hours: 3

Corequisite Courses: Co-requisite: CSC 344 or MIS 320.
Prerequisite Courses: Prerequisite: CIT 225.
Course Repeatability: Course may not be repeated.

MIS 326 - Digital Transformation in Business

Introduction to the intersection of digital technologies and the transformation of modern business functions. Focus on cloud computing, the Internet of Things, and artificial intelligence, with consideration of business strategies, models, and operations. Based on real-world case discussions and hands-on exercises with practice in critical thinking and other soft skills.

Credit Hours: 3

Prerequisite Courses: MIS 213 or CIT 110
Additional Restrictions/Requirements: Admission to Cameron School of Business or declared BS Information Technology major
Course Repeatability: Course may not be repeated.

Major Restriction BS Business Administration or BS Information Technology

MIS 363 - Advanced Telecommunications

The architecture, components, operations, and security of routers and switches in small networks, introduction to wireless local area networks (WLAN) and to scale for large, complex networks, including wide area network (WAN) technologies are described. The course emphasizes network security concepts and introduces network virtualization and automation. Students learn how to configure, troubleshoot, and secure enterprise network devices and understand how application programming interfaces (API) and configuration management tools enable network automation.

Credit Hours: 3

Prerequisite Courses: MIS 320
Additional Restrictions/Requirements: Admission to Cameron School of Business or declared BS Information Technology major or declared BS Cybersecurity major or declared Cybersecurity minor.
Course Repeatability: Course may not be repeated.

Maximum Repeatable Hours: 3
Major Restriction BS Business Administration or BS Information Technology or BS Cybersecurity**Minor Restriction** Cybersecurity Minor

Concentration Electives (3 Credit Hours)

Choose one course from the following:

CIT 361 - Cloud DevOps

An exploration of DevOps practices in cloud environments. Students learn how to leverage cloud infrastructure, automation tools, and continuous integration/continuous deployment (CI/CD) pipelines to streamline development and delivery. Students are equipped to implement and manage cloud-based DevOps pipelines.

Credit Hours: 3

Prerequisite Courses: CIT 301 and MIS 316
Course Repeatability: Course may not be repeated.

or

CYBR 431 - Cloud Security

Introduction to cloud security architecture and exploration of the guiding security design principles, design patterns, industry standards, and associated technologies. Study of regulatory compliance requirements critical to the design, implementation, delivery, and management of secure cloud-based services.

Credit Hours: 3

Prerequisite Courses: CIT 301.
Course Repeatability: Course may not be repeated.
or, 3 credits from some combination of CIT 491, MIS 491, CIT 498 and MIS 498

CIT 491 - Directed Individual Study

Investigation under faculty supervision beyond what is offered in existing courses. Written experience report and oral presentation required. For further information, consult the Enrichment Courses and Programs section in the catalogue.

Credit Hours: 1 To 3

Additional Restrictions/Requirements: Junior or senior standing, overall GPA of at least 2.00.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

MIS 491 - Directed Individual Study

Please enter a description.

Credit Hours: 1 To 6

Additional Restrictions/Requirements: Junior or senior standing and consent of the department chairperson and admission to Cameron School of Business.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

CIT 498 - Internship in Information Technology

Academic training and practical experience through work in a private company or public agency. Faculty supervision and evaluation of all study and on-site activity. Written experience report and oral presentation

required.

Credit Hours: 1 To 3

Additional Restrictions/Requirements: Junior or senior standing.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6
Additional Course Fee Schedule

MIS 498 - Internship in Information Systems

The participant will receive practical training and experience under the guidance of the staff of a business or government organization and a faculty supervisor.

Credit Hours: 1 To 6

Additional Restrictions/Requirements: Consent of faculty supervisor and admission to Cameron School of Business.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.

Maximum Repeatable Hours: 6
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

Total Credit Hours: 67-68

Intelligent Systems Engineering, B.S.

Dr. Clayton Ferner

The program in Intelligent System Engineering is a 4-year interdisciplinary program involving both the engineering and the computing domain. In addition to the successful completion of university studies requirements for UNCW, the B.S. curriculum requires math and science foundations, engineering core courses and an area of concentration. The concentration areas include: 1. Machine Learning and Artificial Intelligence, 2. Cybersecurity, and 3. Cyber-physical Systems (smart networked systems with embedded sensors and actuators that are designed to interact with the real-world and support real-time, guaranteed performance in safety-critical applications).

The program is supported by computer science and engineering faculty with strengths in machine learning, artificial intelligence, data science, cybersecurity, and

cyber-physical systems, robotics, and Internet of Things. Program goals for student learning outcomes include:

i) ensure a thorough preparation in the fundamentals of science and engineering,

ii) provide a foundation for the planning, design, construction, and operation of hardware/software-based projects.

iii) a broad engineering education necessary to understand the impact of artificial intelligence and hardware/software solutions in a global, economic, environmental, and societal context,

iv) develop the ability to communicate complex engineering solutions effectively, and

v) understand professional and ethical responsibility.

Requirements for the B.S. in Intelligent Systems Engineering

In addition to completing the Core Requirements for the BS in Intelligent Systems Engineering, students must complete the requirements for one of the concentrations.

While all concentrations involve intelligent systems, the Artificial Intelligence (AI) concentration focuses on decision-making and adaptability, the Cybersecurity concentration addresses protection and threat mitigation, and the Cyber-Physical Systems (CPS) concentration integrates computation with physical processes for real-world applications.

Oral Communication Requirement

To satisfy the oral communication requirement for the B.S. degree in Intelligent Systems Engineering, a student must successfully complete the following:

ISE 461 - Capstone Project I

First semester of a two-semester capstone course in Intelligent Systems Engineering. Topics include: identifying a suitable project, researching and evaluating existing solutions, proposing a new solution, performing concept definition and requirements analysis, preparing design documents (plans and

specifications), and presenting a solution to a review board.

Credit Hours: 3

Prerequisite Courses: ISE 360 and ISE 411
Additional Restrictions/Requirements: Senior Standing
Course Repeatability: Course may not be repeated.

Core Requirements: (71 Hours):

Required courses:

EGN 101 - Introduction to Engineering

Profession and practice of engineering. Ethics, professionalism, unit systems, problem solving, data presentation, communication, teamwork, and design.

Credit Hours: 2

Additional Restrictions/Requirements: This course is restricted to Freshman students only.
University Studies: Foundations/First Year Seminar
Course Repeatability: Course may not be repeated.

CSC 131 - Introduction to Computer Science

Problem solving methods and algorithms in a modern high-level programming language. Introduces one or more programming environments. Emphasis on a programming style and the design, coding, and testing of complete programs. Recommended primarily for computer science majors.

Credit Hours: 4

Prerequisite Courses: MAT 112 or MAT 150 or MAT 160.
University Studies: Common Requirements/Critical Reasoning, Foundations/Mathematics and Statistics
Course Repeatability: Course may not be repeated. You must achieve a 'C' (2.00) or better if you intend to use this course as a prerequisite for another course.

ISE 102 - Introduction to Intelligent Systems Engineering

Interdisciplinary introduction to intelligent systems, covering topics such as: how intelligent systems interact with the physical world through inputs and inputs, algorithms to transform inputs to outputs,

handling data in intelligent systems, binary numbers, discrete mathematics, basic logic operations, computer architecture, and problem-solving.

Credit Hours: 4

Prerequisite or Corequisite Courses: CSC 131
Prerequisite Courses: CSC 131 with a C or better
University Studies: Building Competencies/Information Literacy, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

ISE 211 - Programming for Engineers

Introduction to fundamentals of programming using C/C++, with a strong
emphasis on object-oriented programming (OOP). Structured programming in C
before transitioning to C++ to explore OOP alongside basic to intermediate data
structure implementations. Skills in both paradigms with a particular focus on
using OOP to solve complex problems effectively.

Credit Hours: 4

Prerequisite Courses: CSC 131 with a grade of C or better
Course Repeatability: Course may not be repeated.

ISE 221 - Intelligent Systems

Introduction to concepts of intelligent systems, focusing on impact on societal structures and human behavior. Exploration of AI within social institutions, examining the ethical implications and potential for societal change, emphasis on the role of intelligent systems in shaping public policies and the cooperative strategies necessary for a sustainable future.

Credit Hours: 3

Prerequisite Courses: ISE 102 or ISE 211
University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.

ISE 250 - Embedded Systems

Introduction to computer organizations, data representation, CPU organization, I/O memory and communication, implementation of a microcontroller or microprocessor embedded systems, assembly language programming, interfacing to peripherals, interrupt handling and debugging techniques.

Credit Hours: 3

Prerequisite or Corequisite Courses: PHY 300.
Course Repeatability: Course may not be repeated.

ISE 333 - Signals, Systems, and Control

Study of linear dynamic systems, and methods for examining, evaluating, and autonomously controlling them. Examination of several standard methods for linear system analysis and design using time and frequency domain tools (such as transfer functions, pole placement, stability and performance criteria, etc.). Consideration of analytical and numerical methods to explore signals, dynamics systems, and control systems.

Credit Hours: 3

Prerequisite or Corequisite Courses: STT 315
Prerequisite Courses: PHY 202 with a grade of 'C' (2.00) or better, MAT 361 with a grade of 'C' (2.00) or better.
Course Repeatability: Course may not be repeated.

ISE 340 - Systems Engineering

Introduction to the fundamental principles of systems engineering and their application to developing complex systems. Study of how systems engineering viewpoint can address engineering challenges and the essential role of systems engineering in project management.

Credit Hours: 3

Prerequisite Courses: ISE 221 with a grade of 'C' (2.00) or better
Course Repeatability: Course may not be repeated.

ISE 350 - Principles of Cyber-Physical Systems

Introduction to the architecture, design, and analysis of cyber-physical systems (CPS), including the principles

of design, specification, and modeling. Explanation of core ideas related to CPS design including model-based design, distributed algorithms, system specification and verification, control theory, and real-time systems.

Credit Hours: 3

Prerequisite Courses: ISE 250.
Course Repeatability: Course may not be repeated.

ISE 360 - Introduction to Robotics

Focus on image-guided control of robotic manipulators, including mathematical modeling concepts and implementation via open-source software libraries, robotic manipulators, and RGBD cameras. Analysis of complex 3D motions of robotic systems and integration into a closed-loop vision control strategy via different programming tools.

Credit Hours: 3

Prerequisite Courses: ISE 211, ISE 333.
Course Repeatability: Course may not be repeated.

ISE 410 - Human-Centered Design and Engineering

Introduction to human-centered design (HCD) and engineering principles and practices. Application of these principles to the area of artificial intelligence and intelligent systems, such as autonomous vehicles, etc. Focus on developing collaborative strategies between human users and autonomous systems for safety and effectively utilizing state-of-the-art autonomous features.

Credit Hours: 3

Prerequisite Courses: ISE 360
Course Repeatability: Course may not be repeated.

ISE 411 - Fundamentals of Internet of Things

Study of the Internet of Things (IoT) and related technologies, including solving practical programs using IoT, embedded, and edge technologies, as well as IoT device programming, sensing, actuating, communications, networking, and cloud technologies.

Credit Hours: 3

Prerequisite Courses: ISE 350
Course Repeatability: Course may not be repeated.

ISE 461 - Capstone Project I

First semester of a two-semester capstone course in Intelligent Systems Engineering. Topics include: identifying a suitable project, researching and evaluating existing solutions, proposing a new solution, performing concept definition and requirements analysis, preparing design documents (plans and specifications), and presenting a solution to a review board.

Credit Hours: 3

Prerequisite Courses: ISE 360 and ISE 411
Additional Restrictions/Requirements: Senior Standing
Course Repeatability: Course may not be repeated.

ISE 462 - Capstone Project II

Second semester of a two-semester capstone course in Intelligent Systems Engineering. Topics include:

implementing the project plan, which includes working with stakeholders, executing the hardware design and implementation, developing system software, testing solutions, and deploying the solution. A functional model of the solution, a final report, and a project presentation are required.

Credit Hours: 3

Prerequisite Courses: ISE 461.
Additional Restrictions/Requirements: Senior Standing
University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

ISE 495 - Seminar in Intelligent Systems Engineering

Presentations on current topics in intelligent engineering education and related subjects. Speakers may come from campus, other universities, or business, industry, or government.

Credit Hours: 1

Additional Restrictions/Requirements: Senior Status.
Course Repeatability: Course may not be repeated.

MAT 161 - Calculus with Analytical Geometry I

Calculus of a single variable intended for students in the mathematical and natural sciences. Functions and limits; differentiation with applications including maxima and minima, related rates, and approximations; theory of integration with applications; and transcendental functions.

Credit Hours: 4

Prerequisite Courses: MAT 112 or MAT 160, or satisfactory performance on the UNCW mathematics placement test.
University Studies: Foundations/Mathematics and Statistics, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

MAT 162 - Calculus with Analytical Geometry II

The second course in a three-course sequence. Further techniques and applications of integration; infinite sequences and series; conic sections, parametrized curves and polar coordinates; and, elementary differential equations.

Credit Hours: 4

Prerequisite Courses: MAT 161.
University Studies: Foundations/Mathematics and Statistics, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

MAT 361 - Differential Equations

Theory, methods of solution, and applications of ordinary differential equations with emphasis on first and second order (linear and nonlinear) equations, and systems of first order equations. Methods used include Laplace transforms, matrices, eigenvalues and eigenvectors. Additional topics from power series solutions and numerical methods.

Credit Hours: 3

Prerequisite Courses: MAT 162.
Course Repeatability: Course may not be repeated.

STT 315 - Introduction to Probability

Introduction to calculus-based probability. Topics include: discrete and continuous random variables and probability distributions; mathematical expectation and variance; sampling distributions and the central limit theorem.

Credit Hours: 3

Prerequisite Courses: MAT 152 or MAT 162.
Course Repeatability: Course may not be repeated.

PHY 201 - General Physics I

First semester of a two semester calculus-based introduction to the fundamental principles of physics for the physical and mathematical sciences. Topics include kinematics, Newtonian statics and dynamics, gravitation, oscillations, and mechanical waves.

Credit Hours: 4

Prerequisite or Corequisite Courses: MAT 161
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

PHY 202 - General Physics II

Second semester of a two semester calculus-based introduction to the fundamental principles of physics for the physical and mathematical sciences. Topics include electric and magnetic fields, circuits, Maxwell's equations, electromagnetic waves, and optics.

Credit Hours: 4

Prerequisite or Corequisite Courses: MAT 162
Prerequisite Courses: PHY 201
Course Repeatability: Course may not be repeated.

PHY 300 - Analog Circuits

Study of passive (resistors, capacitors, inductors) and active (diodes, transistors) components in AC and transient circuits, and integrated circuits utilizing them; skills such as soldering, splicing, and component

testing. Culminates in the design and construction of a functional electronic device.

Credit Hours: 4

Prerequisite Courses: PHY 202
University Studies: Explorations Beyond the Classroom, Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

Artificial Intelligence Concentration (12 hours):

The AI concentration focuses on equipping students with the skills needed to design intelligent systems that enhance decision-making, automation, and user experiences across various domains. Students will gain expertise in core AI fields, including machine learning (ML), generative AI, deep learning, agent-based learning, reinforcement learning, natural language processing, and computer vision.

Required courses:

CSC 322 - Data & Machine Learning

Concepts/techniques in machine learning and multidisciplinary applications. Topics include data

cleaning/transformation; data visualization; association/correlation rules; data classification and predictive modeling (such as SVMs); performance analysis and scalability; data mining with tabular, multi-dimensional and unstructured data, including text, audio, images; big-data frameworks (such as Spark, Hadoop, HIVE, Pig); and emerging themes and challenges.

Credit Hours: 3

Prerequisite Courses: (CSC 231 or ISE 221) and MAT 161, or instructor approval.
Course Repeatability: Course may not be repeated.

CSC 432 - Deep Machine Learning

Advanced topics in deep machine learning and exploration of innovative paradigms that illuminate the future of machine learning. Capstone format emphasizing experiential approaches to solving real problems with deep machine learning.

Credit Hours: 3

Prerequisite Courses: CSC 322 or Instructor Approval
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

Electives (6 hours):

Choose 6 hours of electives from the following courses:

CSC 433 - Natural Language Processing

Introduction to natural language processing, computational linguistics, and speech recognition. Exploration of both symbolic and stochastic algorithms for processing human languages. Topics include parsing, part of speech tagging, semantic representation, pragmatic analysis, discourse structure, machine translation, n-gram statistical models, Hidden Markov Models, and other stochastic techniques.

Credit Hours: 3

Prerequisite Courses: Prerequisite: CSC 331 with a minimum grade of C. Prerequisite or Corequisite: CSC 360, or instructor approval.
Course Repeatability: Course may not be repeated.

ISE 491 - Directed Individual Study

Investigation under faculty supervision beyond what is offered in existing courses. Written experience report and oral presentation required. For further information, consult the Directed Individual Studies section in this catalogue.

Credit Hours: 1 To 3

Additional Restrictions/Requirements: Junior or senior standing, overall GPA of at least 2.50, GPA in ISE courses of at least 2.80, and consent of instructor, department chair, and dean.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 9 **Repeat Limit:** 2

CSC 452 - Computer Vision

Analysis of how real-world information can be computationally extracted from visual data. Foundation in digital image formation and processing, feature extraction and matching, and classification. Examination of a focused area of computer vision in-depth and analysis of classical and learning-based

methods for performing a specific task such as object/scene recognition and retrieval, video tracking, or 3D reconstruction.

Credit Hours: 3

Prerequisite Courses: CSC 340 or ISE 251, or instructor approval.
Course Repeatability: Course may not be repeated.

CSC 472 - Generative Deep Learning

Introduction to deep learning tools for generation of images, text data, music, and autonomous vehicle controls. Explores the difference between discriminative models and generative models. Topics include the design and construction of models using autoencoders, variational autoencoders, generative and adversarial networks. Requires a generative capstone project.

Credit Hours: 3

Prerequisite Courses: (CSC 340 or ISE 251), and

CSC 322, or instructor approval.
Course Repeatability: Course may not be repeated.

Cybersecurity Concentration (12 hours):

The Cybersecurity concentration emphasizes securing digital systems, networks, and data against evolving threats. This concentration focuses on cryptography, network security, malware analysis, and the use of AI as a tool to predict and prevent vulnerabilities, preparing students to safeguard critical infrastructure and manage cybersecurity risks.

Required courses:

CYBR 251 - Secure Programming Foundations

Exploration of programming and machine constructs behind code vulnerabilities and best practices for developing secure programs. Introduction to low-level code mechanics in C and assembly language frequently leveraged in code exploitation. Study of programming principles that guard against software vulnerabilities, including pointers, hardware control, overflows, input sanitization, data obfuscation, secure design, and static analysis.

Credit Hours: 3

Prerequisite Courses: CSC 131.
Course Repeatability: Course may not be repeated.

ISE 444 - Wireless Sensor Networks

Fundamentals of wireless sensor networks, including hardware and radio architecture through protocols and software to applications. Sensor network architectures, hardware platforms, physical layer techniques, medium access control, routing, topology control, quality of service management, localization, time synchronization, security, storage, and other advanced topics.

Credit Hours: 3

Prerequisite Courses: ISE 350
Course Repeatability: Course may not be repeated.

Electives (6 hours):

Choose 6 hours of electives from the following courses:

CSC 464 - Advanced Cryptography and Cryptanalysis

Examination of advanced constructs in modern cryptography, including Diffie-Hellman key exchange, Merkle trees, ElGamal encryption, and fully homomorphic encryption. Introduction to cryptanalysis techniques for analyzing and decoding ciphers.

Credit Hours: 3

Prerequisite Courses: CSC 364
Course Repeatability: Course may not be repeated.

CSC 466 - Malware Analysis

Fundamentals of basic malware analysis through static and behavioral analysis of malicious software. Coverage of the compilation process that takes human readable code to compiled machine readable code and to numerous tools used for malware analysis.

Credit Hours: 3

Prerequisite Courses: ((CYBR 251 with a C or higher or CSC 231 with a C or higher) and (CSC 344 or MIS

320)) or ISE 250
Course Repeatability: Course may not be repeated.

CSC 468 - Reverse Engineering

Coverage of the binary analysis skills necessary to discover the true nature of any executable binary. Examination of the high-level language constructs, including branching statements, looping functions and network socket code, critical to performing a thorough and professional reverse engineering analysis of a binary file.

Credit Hours: 3

Prerequisite Courses: CYBR 251 with a C or better or (CSC 231 with a C or better and CSC 242) or ISE 250
Course Repeatability: Course may not be repeated.

CYBR 343 - Systems Security

Application of security concepts to ensure the confidentiality, integrity, and availability of the computer operating system. Operating systems/security concepts are applied in the context of operating system hardening.

Credit Hours: 3

Prerequisite Courses: (MIS 352 and CIT 225) or (CSC 242 and CYBR 201)
Course Repeatability: Course may not be repeated.

CYBR 358 - Cyber Operations

Introduction to cyber operations concepts, with specific focus on the computing aspects. Topics include: Basics of cyber operations including a cyber operations procedures, applicable laws, and information assurance, and information assurance architectures.

Credit Hours: 3

Prerequisite or Corequisite Courses: CYBR 343
University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

ISE 335 - Digital Signal Processing

Fundamentals of digital signal processing (DSP). Topics include: A/D-D/A conversion and quantization,

number representations and finite word length effects; FIR, IIR, and lattice filter structures, block diagram, and equivalent structures; multi-rate DSP and filterbanks; digital filter design methods and verification; and DSP hardware architecture.

Credit Hours: 3

Prerequisite Courses: ISE 333, STT 315
Course Repeatability: Course may not be repeated.

ISE 491 - Directed Individual Study

Investigation under faculty supervision beyond what is offered in existing courses. Written experience report and oral presentation required. For further information, consult the Directed Individual Studies section in this catalogue.

Credit Hours: 1 To 3

Additional Restrictions/Requirements: Junior or senior standing, overall GPA of at least 2.50, GPA in ISE courses of at least 2.80, and consent of instructor, department chair, and dean.

University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 9 **Repeat Limit:** 2

Cyber-Physical Systems Concentration (12 hours):

The Cyber-Physical Systems (CPS) concentration bridges computing and the physical world by focusing on embedded systems, IoT devices, real-time computing, and hardware-software co-design. It prepares students to design secure, intelligent systems that interact with physical environments, with applications in smart infrastructure, autonomous systems, and industrial automation.

Required courses:

ISE 335 - Digital Signal Processing

Fundamentals of digital signal processing (DSP). Topics include: A/D-D/A conversion and quantization, number representations and finite word length effects; FIR, IIR, and lattice filter structures, block diagram, and equivalent structures; multi-rate DSP and filterbanks; digital filter design methods and verification; and DSP hardware architecture.

Credit Hours: 3

Prerequisite Courses: ISE 333, STT 315
Course Repeatability: Course may not be repeated.

ISE 444 - Wireless Sensor Networks

Fundamentals of wireless sensor networks, including hardware and radio architecture through protocols and software to applications. Sensor network architectures, hardware platforms, physical layer techniques, medium access control, routing, topology control, quality of service management, localization, time synchronization, security, storage, and other advanced topics.

Credit Hours: 3

Prerequisite Courses: ISE 350
Course Repeatability: Course may not be repeated.

Electives (6 hours):

Choose 6 hours of electives from the following courses:

CSC 470 - Hardware Security

Overview of computer hardware security. Topics include side channel attacks, physical unclonable functions, TRNG, supply chain management, hardware Trojans, the power grid, and smart cities.

Credit Hours: 3

Prerequisite Courses: ((CYBR 251 with a C or better or CSC 242) and (CSC 344 or MIS 320)) or ISE 250
Course Repeatability: Course may not be repeated.

CYBR 343 - Systems Security

Application of security concepts to ensure the confidentiality, integrity, and availability of the computer operating system. Operating systems/security concepts are applied in the context of operating system hardening.

Credit Hours: 3

Prerequisite Courses: (MIS 352 and CIT 225) or (CSC 242 and CYBR 201)
Course Repeatability: Course may not be repeated.

CYBR 354 - Computer and Mobile Forensics

Introduction to the concepts in computer and forensics investigations. Recovery and analysis of digital evidence using industry best practices and standard commercial and open source tools. Development of comprehensive investigative forensic reports. Coverage of the legal and ethical considerations of computer crime investigations.

Credit Hours: 3

Prerequisite Courses: CYBR 343 and CSC 344 or MIS 320
Course Repeatability: Course may not be repeated.

ISE 491 - Directed Individual Study

Investigation under faculty supervision beyond what is offered in existing courses. Written experience report and oral presentation required. For further information, consult the Directed Individual Studies section in this catalogue.

Credit Hours: 1 To 3

Additional Restrictions/Requirements: Junior or

senior standing, overall GPA of at least 2.50, GPA in ISE courses of at least 2.80, and consent of instructor, department chair, and dean.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 9 **Repeat Limit:** 2

Total Credit Hours: 83

Interdisciplinary Studies, B.A.

The College of Humanities, Social Sciences, and the Arts offers an interdisciplinary B.A. degree in Interdisciplinary Studies. This degree program is designed to provide a distinctive learning experience for re-enrolling students, advanced transfer students, and currently enrolled UNCW students with at least junior standing who change majors. Students electing this program must have previously completed at least 60 credits (transfer credits may count towards this total) and be in good academic standing.

Students may declare as Pre-IDS if they have 60 credit hours (including transfer hours). They may declare IDS

once they have 80 credit hours, or have successfully completed IDS 200 with a grade of “C” or better.

The goal of the program is for students to acquire a core liberal arts education combined with focused knowledge and skills. The integrative program curriculum will draw on prior course work while allowing students to complete their education by focusing on a particular option such as Enterprise and Economy; Global Challenges and Problems; Justice, Social Insitutions and Human Behavior; Artificial Intelligence and Technology in the Arts and Sciences; Interdisciplinary Arts and Humanities; or Human Wellbeing.

Applied Learning Requirement:

To satisfy the applied learning requirement for the B.A. degree in Interdisciplinary Studies a student must successfully complete the Senior Project in IDS 400.

Requirements for a Major in Interdisciplinary Studies for the B.A. degree:

Students must complete the Core requirements (15-18 hours), an Option (12 hours), and Electives (12 hours). IDS 200 is required of all IDS majors who declare Pre-

IDS. At least 24 hours in the major must be at the 300 level or above. IDS 300 and IDS 400 may be used to partially fulfill this requirement. Courses used to satisfy core requirements cannot be used to satisfy the option requirements listed below.

Core Requirements: (15-18 hours)

IDS 200 - Interdisciplinary Studies and Modern Problems

Introduction to interdisciplinary studies and its six tracks. In order to understand each track, students study selected topics in six separate modules. Topics include but are not limited to: income inequality, access to healthcare, climate change, the ethics of incarceration, artificial intelligence and genomics, and artificial intelligence and the written word.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

IDS 300 - Introduction to Interdisciplinary Studies

Open only to students in the UNCW Seahawk Success Program. This course serves as a gateway for the UNCW Interdisciplinary Degree. Through writing and engagement with a core set of texts, students learn about different approaches to interdisciplinary studies and interdisciplinary research, as well as its applications for personal assessment and career development. Through research, a presentation, and a final project, students will reflect on their academic experiences and articulate a personal pathway through the Interdisciplinary Studies program. By the end of the course they will have established an interdisciplinary studies eportfolio that they will complete in IDS 400.

Credit Hours: 3

University Studies: Building Competencies/Information Literacy, Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

IDS 400 - Capstone in Interdisiciplinary Studies

Engages in interdisciplinary research, analysis, and writing. Students propose solutions to practical and

topic-specific problems and develop a final paper through faculty and peer feedback. Students complete an e-portfolio that demonstrates and reflects on their academic and personal path through the IDS program.

Credit Hours: 3

Prerequisite Courses: IDS 300
Additional Restrictions/Requirements: Prerequisite course and open only to students in the UNCW Interdisciplinary Program.
University Studies: Building Competencies/Writing Intensive, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.
Major Restriction Interdisciplinary Studies majors only

Global Perspectives

One of:

AFN 130 - Introduction to Africana Studies

Interdisciplinary exploration of the collective experiences of the African Diaspora, which includes Africans and people of African descent in various continents and countries in addition to the United

States.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives, Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.

HST 104 - Introduction to Global History Since 1848

Historical events, peoples, and places as well as the transformation of global systems. Examines the effects of industrialization, imperialism, nationalism, world wars, the Cold War, communism, and globalization on contemporary societies.

Credit Hours: 3

University Studies: Approaches and Perspectives/Historical and Philosophical Approaches, Approaches and Perspectives/Living in a Global

Society
Course Repeatability: Course may not be repeated.

INT 105 - Introduction to International Studies

An introductory, interdisciplinary survey of the main concepts and terminology associated with the broad, interdisciplinary field of international studies, including economic, geo-political, and socio-cultural globalization and the effects of these processes on individuals and communities.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

INT 220 - Cultural and Social Globalization

Exploration of contemporary cultural and social changes in the context of globalization. The course focuses on the ways in which various global and local cultural arenas reflect and are transformed by late capitalism's societal shift towards a mode of existence where images and consumerist desires have become

the driving forces.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in a Global Society, Critical Reasoning
Course Repeatability: Course may not be repeated.
Major Restriction None**Minor Restriction** None

INT 317 - Dictators, Despots, and Presidents for Life

An examination of global history and current events through the lens of despotic governments and authoritarian regimes.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

PLS 220 - Introduction to International Relations

Basic analysis of politics among nations. Role of law, force, and diplomacy in world politics; problems of war,

peace, and disarmament.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

SOC 240 - Individuals and Societies in a Global World

Introduction to globalization as an ongoing socio-economic process and as an analytical concept. Examines various aspects of globalization of economies and societies.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

Intellectual Inquiry and Contemporary Issues

One of:

CRM 110 - Crime and Justice Issues

Critical issues and contemporary debates in crime and justice.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.

EDN 200 - Teacher, School and Society

This course examines historical, sociological, and philosophical foundations of education as well as issues of diversity. The course engages students' knowledge, research, and analytical skills in relation to the goals and purposes of education. Students are challenged to critically reflect on personal and educational experiences as preservice professionals. The course is designed to provide opportunities to observe and engage in reflective discussion of curriculum and instructional practices, school governance and organization, and school-community relationships, inclusive of field

experience. **Additional liability insurance expense may be necessary.** The lab for this course is EDNL 200.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in Our Diverse Nation, Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.

PAR 215 - Medical Ethics: Life and Death Decisions in Health Care

Examination of the principles and problems in the application of ethical theory to medical research and practice.

Credit Hours: 3

University Studies: Approaches and Perspectives/Historical and Philosophical Approaches
Course Repeatability: Course may not be repeated.

SOC 215 - Modern Social Problems

Contemporary social issues and conditions viewed as problematic, such as racism, sexism, crime, poverty, war, alienation, and deviance.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 350 - Gender and Society

Focus on gender in social life. Theoretical explanations of gender differentiation, with an emphasis on socialization, stratification, family, work, education, politics, and social change.

Credit Hours: 3

Prerequisite Courses: SOC 105
University Studies: Approaches and Perspectives/Living in Our Diverse Nation

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

WGS 210 - Introduction to Women's Studies

This course introduces students to the discipline of women's and gender studies. Status of women from a variety of historical, economic, cultural, and theoretical perspectives. Topics include masculinity, femininity, violence, reproductive health, issues in sexual orientation, and the intersectional dynamics of race, class, and gender.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

Critical Reasoning

One of:

BAN 280 - Statistical Analysis for Business and Economics

Classification and presentation of business and economics data, probability and expected value, statistical inference, simple linear regression and correlation analysis.

Credit Hours: 3

Prerequisite Courses: MAT 111 or MAT 150.
University Studies: Foundations/Mathematics and Statistics
Course Repeatability: Course may not be repeated.

COM 302 - Applied Qualitative Research

Focus on applying qualitative methods in communication studies to real-life contexts. Student select topics to explore through the various methods and techniques presented in class. Students present findings in a variety of formats that are easily adaptable to inclusion in portfolios or future goals.

Credit Hours: 3

Additional Restrictions/Requirements: COM Majors or permission of instructor.

University Studies: Building Competencies/Writing Intensive, Explorations Beyond the Classroom, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.
Major Restriction COM Majors

ENG 303 - Reading and Writing Arguments

Instruction in rhetorical principles and their use in both analyzing and constructing persuasive texts.

Credit Hours: 3

University Studies: Building Competencies/Writing Intensive, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

PAR 110 - Introduction to Logic

Introduction to the principles of logic including the rules of deduction, the categorical syllogism, induction, and fallacies. Initiation in computer logic programs.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

PAR 115 - Introduction to Ethics

An introduction to fundamental principles, theories, and problems in ethics.

Credit Hours: 3

University Studies: Approaches and Perspectives/Historical and Philosophical Approaches, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

STT 215 - Introduction to Statistics

Methods of data collection; numerical and graphical analyses of univariate and bivariate data; axioms of probability; conditional probability; independence; distributions of random variables; introduction to confidence intervals and hypothesis testing; simple linear regression and correlation; use of statistical software to analyze data and simulate random variables.

Credit Hours: 3

University Studies: Foundations/Mathematics and

Statistics

Course Repeatability: Course may not be repeated.

Any course within the Critical Reasoning component of University Studies

Option Requirement: (12 hours)

Twelve (12) hours in a thematic area (Interdisciplinary Arts and Humanities, Enterprise and Economy, Human Wellbeing, Global Challenges and Problems, Artificial Intelligence and Technology in the Arts and Sciences, or Social Institutions and Human Behavior). Must include at least two disciplines.

Interdisciplinary Arts and Humanities Option

ARH 202 - Medieval and Early Modern Art

Study of the major developments in global art, including painting, sculpture, and architecture from the late Medieval through the Early Modern period. Subject, style, formal qualities, patronage, significance, and the place of works of art in their respective religious, social, and political context.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives
Course Repeatability: Course may not be repeated.

COM 101 - Public Speaking

Preparation and delivery of public presentations, with emphasis on creativity, reasoning, evidence, organization, and delivery. Course content will also be applied to analysis of speeches by self and others.

Credit Hours: 3

University Studies: Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

COM 265 - Communication Media

Examination of the development, functions, theoretical foundations, and effects of media on individuals, society, and culture.

Credit Hours: 3

Prerequisite Courses: COM 160 or permission of instructor.
Course Repeatability: Course may not be repeated.

CRW 201 - Introduction to Creative Writing

Introduction to the principles and techniques of creative writing, aimed at developing the creative process. Includes lectures, reading, and writing exercises in poetry, fiction, and creative nonfiction.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives
Course Repeatability: Course may not be repeated.

ENG 110 - Introduction to Literature

Introduction to reading and responding to literature in a variety of genres, such as poetry, fiction, drama, and literary non-fiction.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives, Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

ENG 210 - Mythology

The major mythological systems of Western society - Greek, Roman, and Norse. Mythology of other parts of the world, especially the Ancient Middle East, and related material are also considered.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives, Approaches and Perspectives/Historical and Philosophical Approaches
Crosslisting: CLA 210
Course Repeatability: Course may not be repeated.

FST 110 - Concepts in Film

Introduction to key concepts in film studies and film production. Designed for non-majors in film studies.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12 **Repeat Limit:** 3

HST 101 - Europe in the World I

Introduction to pre-modern European history, from the development of the first city-states in the Near East, through the rise of Athens and Rome, and concluding with the Middle Ages and Early Modern Period. Specific attention is given to the globally interconnected nature of European history.

Credit Hours: 3

University Studies: Approaches and Perspectives/Historical and Philosophical Approaches, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

HST 103 - Introduction to Global History 1500-1848

The political, economic, cultural, religious, and environmental processes that transformed the world between 1500 and 1848. Examines the Columbian (biological) Exchange, formation of colonial empires, expansion of global religions, and emergence of global trade and slave trade.

Credit Hours: 3

University Studies: Approaches and Perspectives/Historical and Philosophical Approaches, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

HST 104 - Introduction to Global History Since 1848

Historical events, peoples, and places as well as the transformation of global systems. Examines the effects of industrialization, imperialism, nationalism, world wars, the Cold War, communism, and globalization on contemporary societies.

Credit Hours: 3

University Studies: Approaches and Perspectives/Historical and Philosophical Approaches, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

HST 105 - United States to 1865

American history from the pre-colonial period to the beginning of Reconstruction. Examines the impact of the country's cultural diversity through the study of the arts, law, politics, war, religion, technology, immigration, and the emergence of regional economic systems.

Credit Hours: 3

University Studies: Approaches and Perspectives/Historical and Philosophical Approaches, Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.

HST 106 - United States from 1865 to Present

The history of the United States since the Civil War. Examines the development of American political, social, and cultural systems, foreign policy, and the emergence of the United States as a world power.

Credit Hours: 3

University Studies: Approaches and Perspectives/Historical and Philosophical Approaches, Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.

HST 250 - North Carolina Indians

North Carolina Indian history from pre-Columbian times to present day. Topics include identity of North Carolina Indians; social, religious, political, and economic life; gender roles; European and American interaction; development of state and federal policy and Indian response; status of Indians in contemporary North Carolina and United States.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.

HST 270 - Global Issues in Historical Perspective

Selected themes and events in international or global history, with particular attention to cultural, intellectual, and/or economic exchanges between the 'West' and the wider world. Topics include: Society and the Supernatural, International Slave Trade. May be repeated under different subtitles.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in a Global Society, Approaches and Perspectives/Historical and Philosophical Approaches
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

MUS 106 - Exploring Music

Explores the creative process of making music while developing an understanding of basic musical concepts. Designed for students with no musical background who wish to increase their understanding of music. Emphasis on music listening, playing classroom instruments, group singing, improvisation, and music literacy.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthetic, Interpretive and Literary Perspectives and Living in a Global Society
Course Repeatability: Course may not be repeated.

PAR 103 - Exploring Religions

Introduction to the academic study of religion. Explores the many diverse religions practiced around the world and the ways practitioners construct religious experiences through scriptures, art, gender, race, and community.

Credit Hours: 3

University Studies: Approaches and Perspectives/Historical and Philosophical Approaches
Course Repeatability: Course may not be repeated.

PAR 125 - Scriptures of the World's Religions

Introduction to the history and composition of scriptures of the world's religions from oral stories to words, images, objects, books, performances, sounds, and texts. Examines how scriptures in major Eastern and Western religions have constructed historical, political, social, and cultural realities through various forms of art from antiquity to today.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives, Approaches and Perspectives/Historical and Philosophical Approaches, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

PAR 215 - Medical Ethics: Life and Death Decisions in Health Care

Examination of the principles and problems in the application of ethical theory to medical research and practice.

Credit Hours: 3

University Studies: Approaches and Perspectives/Historical and Philosophical Approaches
Course Repeatability: Course may not be repeated.

PAR 232 - Asian Religions

A survey of Hinduism, Buddhism, Taoism, and Confucianism; historical aspects, basic insights, contemporary relevance.

Credit Hours: 3

University Studies: Approaches and Perspectives/Historical and Philosophical Approaches, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

THR 121 - Introduction to Theatre

Appreciation of theatre through an understanding of its artistic elements, history, dramatic literature, and audience involvement.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

THR 165 - Playscript Analysis for Production

The study of a diverse cross-cultural section of plays, analyzed through elements of the dramatic text including character, structure, style, language, genre, and theme as they are applied in production.

Credit Hours: 3

University Studies: Building Competencies/Writing Intensive, Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

WGS 210 - Introduction to Women's Studies

This course introduces students to the discipline of women's and gender studies. Status of women from a variety of historical, economic, cultural, and theoretical perspectives. Topics include masculinity, femininity, violence, reproductive health, issues in sexual orientation, and the intersectional dynamics of race, class, and gender.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

WGS 230 - Women in Film

Survey and analysis of films by women filmmakers throughout the world. Diverse film styles, periods, and genres will be represented. Screening and discussion of cinematic works in their original language with English subtitles when needed.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives
Crosslisting: WLC 230, FST 230
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

WGS 280 - Special Topics in Women's and Gender Studies

Study of selected topics in Women's and Gender Studies that are not considered in detail in regular course offerings.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6

Any 300-400 level course in ARH, ENG, HST, MUS, or PAR (note that many have pre-requisites)
Other appropriate courses as determined in consultation with an advisor and approved by program director.

Enterprise and Economy Option

(At least one course must be from Cameron School of Business)

ACG 201 - Financial Accounting

An introduction to the basic framework of accounting for students majoring in accountancy or other disciplines. Includes preparation of financial records and external financial reports. Emphasis on the underlying accounting concepts and constraints. The lab for this course is ACGL 201.

Credit Hours: 3

Corequisite Courses: ACGL 201
Prerequisite Courses: MAT 111 or MAT 150 or MAT 160
Course Repeatability: Course may not be repeated.

ACG 203 - Managerial Accounting

An introduction to the concepts and techniques used by management to analyze and interpret accounting data in the organization.

Credit Hours: 3

Prerequisite Courses: ACG 201 and ACGL 201
Course Repeatability: Course may not be repeated.

BAN 280 - Statistical Analysis for Business and Economics

Classification and presentation of business and economics data, probability and expected value, statistical inference, simple linear regression and correlation analysis.

Credit Hours: 3

Prerequisite Courses: MAT 111 or MAT 150.
University Studies: Foundations/Mathematics and Statistics
Course Repeatability: Course may not be repeated.

BLA 361 - Legal Environment of Business

Study of the organization and role of business enterprises in society and their relationships in government. Examines how the legal environment is influenced by changing social and ethical values.

Topics include agency, antitrust, forms of business organization, environmental regulation, equal opportunity, labor law, product liability, and property rights.

Credit Hours: 3

Additional Restrictions/Requirements: Junior or senior standing, or admission to the Cameron School of Business, or students in the Accountancy and Business Law minor, or consent of department chair.
Course Repeatability: Course may not be repeated.

BUS 206 - Career Essentials

Introduction to a career in business. Topics included mentoring, leadership, communication, preparation for entering a career, and the business environment.

Credit Hours: 2

Corequisite Courses: ENG 206
Additional Restrictions/Requirements: Sophomore standing or higher. Restricted to business or pre-business majors.

University Studies: Building Competencies/Writing Intensive, Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.

COM 101 - Public Speaking

Preparation and delivery of public presentations, with emphasis on creativity, reasoning, evidence, organization, and delivery. Course content will also be applied to analysis of speeches by self and others.

Credit Hours: 3

University Studies: Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

COM 271 - Communication, Collaboration and Effective Groups

Theory and practice of collaborative communication. Emphasis on learning to work effectively in face-to-face and virtual groups. Focus on managing social and task dimensions of collaborative decision-making for problem solving and creative projects.

Credit Hours: 3

Additional Restrictions/Requirements: Restricted to sophomore or higher.
Course Repeatability: Course may not be repeated.

COM 272 - Introduction to Organizational Communication

Study of organizations and virtual organizations as systems created and sustained by communication processes. Topics include organizational analysis and development, diversity, leadership, culture, HR and issues relevant to the global and international marketplace.

Credit Hours: 3

Additional Restrictions/Requirements: PCOM or COM or permission of instructor.
Course Repeatability: Course may not be repeated.
Major Restriction PCOM or COM

COM 378 - Business and Professional Communication

Develop and refine communication skills in business environments and other professional settings. Topics include written correspondence, selection and use of communication technologies, delivery of mediated messages, and the design and delivery of professional presentations.

Credit Hours: 3

Prerequisite Courses: COM 101.
Additional Restrictions/Requirements: COM majors or Entrepreneurship minors, or permission of instructor.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.
Major Restriction COM Majors Only**Minor Restriction** Entrepreneurship

CSC 105 - Computing Competencies for College and the Workplace

College-level computing education for all majors focusing on software skills employers most frequently seek, technology-related social, legal and ethical issues, and foundational understanding of current

digital technologies for efficient organization and effective communication. Students will choose one additional topic of interest such as business or graphic design.

Credit Hours: 3

University Studies: Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

EBD 280 - Entrepreneurship for Non-Business Majors

Primary focus on the entrepreneurial mindset and the process for starting a business. Specific areas include the characteristics of successful entrepreneurs, profiles of successful new businesses, identifying and evaluating new business opportunities, and developing the business plan. Social and developmental entrepreneurship are also addressed.

Credit Hours: 3

University Studies: Approaches and

Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.

EBD 281 - Creativity and Innovation

Primary focus on the processes for fostering creativity and innovation. Emphasis on the creative process, creative problem solving, and intrapreneurship. Particular attention directed to the development of new products, services, processes, and business models.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

EBD 282 - Entrepreneurship for the Sciences and Engineering

This course introduces non-business, scientifically-oriented students to the process of creating new ventures and entrepreneurship in engineering and science intensive industries, such as chemical, energy, materials, bioengineering, environmental, clean-tech, pharmaceuticals, medical and biotechnology. Students gain a good sense of the excitement, complexity, and

challenges associated with the creation of new businesses, whether within an existing organization or in a startup environment. The focus is on new ventures that require long development times, large investments, integration across a wide range of technical and non-technical disciplines, and the creation and protection of intellectual property. Teaching methods will include lectures, case studies, guest speakers and individual and team projects.

Additional Restrictions/Requirements: This course is for non-business majors and students in the BA Economics program. Students pursuing a BSBA in the Cameron School may not take this course.
Course Repeatability: Course may not be repeated.

EBD 301 - Entrepreneurial Finance for Non-Business Majors

Course provides students with the knowledge and skills necessary to manage cash as well as manage the necessary records in a small business. Topics include: calculating startup costs, running a monthly, quarterly and annual budget for a business, understanding the different sources of capital and how to obtain them,

projecting income and what investors, lenders and grant organizations look for in an entrepreneurial venture. SBIR/STTR funding, financial analysis and record-keeping necessary to comply with federal, state, and local tax law are also addressed.

Credit Hours: 3

Prerequisite or Corequisite Courses: EBD 280 OR EBD 282
Additional Restrictions/Requirements: This course is for non-business majors and students in the BA Economics program. Students pursuing a BSBA in the Cameron School may not take this course.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

EBD 302 - Managing & Marketing for Entrepreneurs

Focus on key organizational activities that facilitate the growth and management of an enterprise. Provides valuable information for effective marketing techniques designed to grow, compete, and sustain the business. Focus on managing human resources and the ability to

strategically develop the business model as it progresses through growth phases. Focus on key organizational activities that facilitate the growth and management of an enterprise. Provides valuable information for effective marketing techniques designed to grow, compete, and sustain the business. Focus on managing human resources and the ability to strategically develop the business model as it progresses through growth phases. Students will also learn successful exit strategies for a business. Leadership, management, positioning, legal strategies, sales strategies, and scaling strategy are also addressed.

Credit Hours: 3

Prerequisite or Corequisite Courses: EBD 280 OR EBD 282
Additional Restrictions/Requirements: This course is for non-business majors and students in the BA Economics program. Students pursuing a BSBA in the Cameron School may not take this course.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

EBD 304 - Entrepreneurship in the Arts

This course will introduce and outline the role of "art" in various marketplaces, and how the emerging arts entrepreneur operates in society. Topics include how to position and market aesthetic products, the pricing of art products, understanding consumer behavior for aesthetic products, the modes of financing, and art patronage. Course will also examine the nature of art infrastructures, such as museums, festivals, and galleries, and the overall economics of the arts in modern society.

Prerequisite or Corequisite Courses: EBD 280 or EBD 282
Course Repeatability: Course may not be repeated.

EBD 354 - Managing Innovation and Technology

Development and adoption of new technology in corporate operations. Attention directed to creating an environment that fosters continuous improvement through experimentation, innovation, and change. Topics include the nature of technology, its role in business strategy, technological forecasting, the

creative process, organization and management of professional personnel, and project management techniques.

Credit Hours: 3

Additional Restrictions/Requirements: Admission to Cameron School of Business.
Crosslisting: MGT 354
Course Repeatability: Course may not be repeated.

EBD 482 - Global Entrepreneurship and Exporting

Primary focus on entrepreneurial activities within the international arena. Particular attention on the mechanisms of international entry modes, import and export management, licensing mechanisms, international financing, the impact of globalization, identifying business opportunities, risk assessment, legal and accounting implications of international activities, and international intellectual protection processes. Upon completion of this course, students will be qualified to take the Certified Global Business Professional (CGBP) exam.

Credit Hours: 3

Prerequisite Courses: INB 300
Additional Restrictions/Requirements: Prerequisite course and admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.

ECN 125 - Survey of Economics

An introduction to economics principles for non-business and non-economics majors. Current analysis rather than theoretical analysis is utilized to present and show the relevance of economics principles. (Not open to students who have earned credit for either ECN 221 or ECN 222.)

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.

ECN 221 - Principles of Economics-Micro

Analysis of decision-making processes and economic equilibrium for the individual firm and consumer at an introductory level.

Credit Hours: 3

Prerequisite Courses: MAT 111 or MAT 150 or MAT 151 or MAT 160 or MAT 161
University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

ECN 222 - Principles of Economics-Macro

Aggregate economic analysis examining the effects of fiscal and monetary policy upon aggregate employment, income and prices at an introductory level.

Credit Hours: 3

Prerequisite Courses: ECN 221
University Studies: Approaches and

Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.

ECN 325 - Environmental Economics

Application of basic economics principles is used to help understand environmental problems and evaluate alternative solutions. Economic principles will be employed to analyze fundamental environmental issues such as property rights, externalities, conservation, and public goods. Public policy issues such as environment protection, natural resource damage assessment, and pollution control will be evaluated from an economic perspective. Specific focus will be given to methods for non-market valuation.

Credit Hours: 3

Prerequisite Courses: ECN 125 or ECN 221
Crosslisting: EVS 325
Course Repeatability: Course may not be repeated.

EDN 211 - Principles of Leadership

This course will provide an introduction to leadership. Students will develop an understanding of the leadership theories, styles of leadership, and strategies for successful leadership. They will learn skills to enhance their leadership effectiveness in a variety of settings and will develop insights about themselves and others.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

ENG 204 - Introduction to Professional Writing

An introductory survey of concepts in professional writing, including audience analysis, research methods, visual thinking, and composing processes. Includes a service-learning component.

Credit Hours: 3

University Studies: Building Competencies/Writing Intensive, Building Competencies/Information Literacy, Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.

ENG 309 - Technical Editing

Focus on the fundamentals of effective writing, organization, and design in order to develop the language and proficiencies necessary to edit print and digital texts used in a range of organizations.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 204, or consent of instructor.
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
University Studies: Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

ENG 311 - Professional Magazine Writing

Writing of nonfiction prose intended for publication in newspapers, magazines, and journals.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite:

ENG 202, or consent of instructor.
Course Repeatability: Course may not be repeated.

ENG 312 - Writing Strategies for Business and Innovation

Advanced exploration of research and writing skills needed to plan and design texts for diverse audiences within organizational contexts. Projects include business plans, proposals, reports, and other genres developed using a variety of media. Includes instruction in graphically representing data and using social media for research and/or outreach.

Credit Hours: 3

University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

FIN 335 - Principles of Financial Management

An introduction to the finance function of business enterprise and to the analytical techniques used in making investment and financing decisions.

Credit Hours: 3

Prerequisite Courses: Prerequisite ACG 201, ECN 222 and (BAN 280 or STT 215); or prerequisite STT 315 and corequisite MAT 381.
Course Repeatability: Course may not be repeated.

INB 300 - International Business

Survey course of the importance of global issues as firms attempt to compete across the world. Key topics include: anticipating and preparing for global competition, understanding international trade theory and differences in political economies, reviewing global and regional economic integration, considering international market entry processes, and examining key cross-cultural issues affecting business operations.

Credit Hours: 3

Prerequisite Courses: ECN 222
Additional Restrictions/Requirements: Junior or senior standing, prerequisite course, or admission to the Cameron School of Business.
University Studies: Approaches and

Perspectives/Living in a Global Society, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

INT 200 - Global Capitalism and its Discontents

An introduction to the history of capitalism, its alternatives, and its benefits and drawbacks in the era of globalization.

Credit Hours: 3

University Studies: Approaches and Perspectives/Historical and Philosophical Approaches, Approaches and Perspectives/Living in a Global Society, Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

MGT 350 - Principles of Management

Study of theories, research and concepts underlying the structure and processes of complex organizations. Emphasis on problem solving issues and applications in organization design, leadership, motivation and interpersonal communications.

Credit Hours: 3

Additional Restrictions/Requirements: Sophomore standing or admission to the Cameron School of Business.
University Studies: Approaches and Perspectives/Living in Our Diverse Nation, Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.

MIS 213 - Business Technology and Intelligence

This course is designed to introduce students to the impacts of information systems on the firm, industry, society, and the economy. The management of the information resource and issues related to accessing, processing, and distributing information within a business context are emphasized. Students will analyze the role of information systems in reaching organizational objectives including communication, collaboration, performance improvement and strategy implementation. Skill-based learning will reinforce strategic information systems concepts.

Credit Hours: 3

University Studies: Building Competencies/Information Literacy, Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.

MKT 340 - Principles of Marketing

Introduction to the concepts, activities and decisions that relate to the marketing function in domestic and international business. Focus on development and implementation of marketing strategies through the use of marketing mix variables of product, price, distribution, and promotion.

Credit Hours: 3

Additional Restrictions/Requirements: Sophomore standing or admission to the Cameron School of Business.
Course Repeatability: Course may not be repeated.

MUS 381 - Music Entrepreneurship

A survey of the history and practices of the music industry, with an emphasis on evolving practices, emerging opportunities, and innovation in career planning, as well as methods and practices of artist representation and self-promotion.

Credit Hours: 3

Additional Restrictions/Requirements: Consent of instructor.
Course Repeatability: Course may not be repeated.

SCM 370 - Principles of Operations Management

This course provides a study of the drivers of quality, customer satisfaction, efficiency and productivity in service and manufacturing enterprises. Topics include product and service design, forecasting, quality management, facility location and layout, materials management, scheduling, project management, and supply chain management. While topics are covered for both manufacturing and service operations, attention is directed to the study and analysis of the operations management function in service enterprises.

Credit Hours: 3

Prerequisite or Corequisite Courses: BAN 280 or STT 215
University Studies: Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

STT 215 - Introduction to Statistics

Methods of data collection; numerical and graphical analyses of univariate and bivariate data; axioms of probability; conditional probability; independence; distributions of random variables; introduction to confidence intervals and hypothesis testing; simple linear regression and correlation; use of statistical software to analyze data and simulate random variables.

Credit Hours: 3

University Studies: Foundations/Mathematics and

Statistics
Course Repeatability: Course may not be repeated.
Other appropriate courses as determined in consultation with an advisor and approved by program director.

Global Challenges and Problems Option

ANT 105 - Introduction to Anthropology

Introduction to the physical, archaeological, linguistic, and ethnological fields of anthropology; biological and cultural evolution of man.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in a Global Society, Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.

ANT 206 - Cultural Anthropology

A presentation of the content and historical development of cultural anthropology. Deals with the cultural relativism, ethnocentrism, institutional analysis

and cultural integration and shifts in theoretical perspectives by comparing ethnographies of selected cultures.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

ANT 309 - Environmental Anthropology

A study of cultural adaptations as responses of human populations to varied environments; this course will focus upon cultural vs. biological adaptation from the archaeological past to the ethnographic present.

Credit Hours: 3

Prerequisite Courses: ANT 105 or ANT 206 or ANT 207
Additional Restrictions/Requirements: Prerequisite courses or consent of instructor.
University Studies: Building Competencies/Writing

Intensive
Course Repeatability: Course may not be repeated.

ANT 317 - Social Issues in Latin America

Complex national cultures of Latin America. Contemporary issues such as the rights of native peoples, peasant land reform, urban slum settlements, development of resources, and political and economic reform movements. Case studies of individual countries.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

ANT 318 - Religion and Public Life Across Cultures

Exploration of the relationship between religion and politics and the increasing role of religion in public life across different cultures in the contemporary world. Students will learn about the interactions between religion, politics, and public life in countries with ties to different majoritarian religions such as the U.S.A. (Protestant Christianity), France (Catholicism), Turkey

(Sunni Islam), and India (Hinduism).

Course Repeatability: Course may not be repeated.

ANT 327 - Globalization & Culture Change

Explores processes of globalization in local communities by addressing issues and dynamics of culture change in the contemporary world. Themes include: economic development and underdevelopment; legacies of colonialism; immigration; transnational culture; market and meaning exchanges in media and the arts; and organized resistance to globalization.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

ANT 329 - Environmental Justice Ethnography

Ethnographic survey of the emergence of social movements organized around environmental issues. Through the writings of cultural anthropologists,

students learn how communities around the world threatened by environmental destruction seek justice, accountability, and sustainability. Environmental crises are analyzed in terms of globalization, structures of poverty, and human rights.

Credit Hours: 3

University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

COM 344 - Intercultural Communication

Theoretical and practical perspectives on communication effectiveness in dealing with people, groups, or organizations that are culturally different within and across national boundaries.

Credit Hours: 3

Prerequisite Courses: COM 105 with a grade of 'B' or better, or permission of instructor.
Additional Restrictions/Requirements: Restricted to Junior standing or higher.

University Studies: Approaches and Perspectives/Living in a Global Society, Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.

CRM 410 - World Criminal Justice Systems

Comparative study of criminal justice systems throughout the world. Attention to historical, structural, political, legal and philosophical similarities and differences.

Credit Hours: 3

Prerequisite Courses: CRM 105
Additional Restrictions/Requirements: Prerequisite course plus 6 additional hours in CRM.
Course Repeatability: Course may not be repeated.

ENG 226 - World Literature Since 1600

A survey of representative works of world literature (excluding British and American writers), including both Western and non-Western works. 1600 to the present.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives, Approaches and Perspectives/Living in a Global Society, Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

ENG 340 - Multiculturalism and Literature

Multicultural literatures within and outside of the United States, such as African and African American, Asian and Asian American, and Latin American and Latino literature; introduction to contemporary perspectives on multiculturalism.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
Course Repeatability: Course may not be repeated.

ENG 341 - Studies in the Global South

Study of literature, cultural practices, politics, and concepts related to the Global South, with an emphasis on Latin America, South Asia, Africa, the Caribbean, and possible reverberations/intersections in the US South.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

ENG 342 - Transnational Literatures

Study of a topic in transnational literatures. Courses focus literary and cultural production across multiple geographical locations and historical periods. Courses place a particular emphasis on the circumstances that shape the interrelations between diverse cultural practices.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6

ENG 359 - World Indigenous Literature and Film

Study of past and present literatures and film produced by various indigneous peoples from outside the United States.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6

EVS 195 - Introduction to Environmental Sciences

Interdisciplinary introduction to the scope and application of environmental sciences. Emphasis on integrated analysis of environmental principles and discussions centering on current environmental problems. The lab for this course is EVSL 195.

Credit Hours: 3

Additional Restrictions/Requirements: EVS 195 and EVSL 195 may be taken in different semesters.
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

EVS 205 - Global Environmental Issues

Interdisciplinary study of contemporary environmental issues at a global scale, such as climate change, human population, biodiversity loss, food and water scarcity, energy, stratospheric ozone depletion, acid rain, and environmental justice. Causes, effects, policy

implications, international negotiations, and development of treaties will be examined.

Credit Hours: 3

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

GGY 101 - Modern World Geography

The theory, techniques, and professional applications of modern geographic science. Examines geography as a broad interdisciplinary science focused on places, spatial patterns, and the intersection between human activities and the natural world. Includes discussion of the historical origins and modern relevance of geographic thought.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and

Behaviors, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

GGY 215 - The Digital Globe

Introduction to the maps, data, and methods commonly used by geographers to investigate spatial relationships from local to global scales. Includes the examination of geography as a discipline whereby human and physical environments are spatially explored.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in a Global Society, Building Competencies/Information Literacy, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

GGY 230 - Introduction to Weather and Climate

Examination of general climatic characteristics through space and time, especially as influenced by controls upon temperature, wind and moisture distributions, and by planetary, regional and local atmospheric

disturbances.

Credit Hours: 3

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

HST 103 - Introduction to Global History 1500-1848

The political, economic, cultural, religious, and environmental processes that transformed the world between 1500 and 1848. Examines the Columbian (biological) Exchange, formation of colonial empires, expansion of global religions, and emergence of global trade and slave trade.

Credit Hours: 3

University Studies: Approaches and Perspectives/Historical and Philosophical Approaches, Approaches and Perspectives/Living in a Global

Society
Course Repeatability: Course may not be repeated.

HST 104 - Introduction to Global History Since 1848

Historical events, peoples, and places as well as the transformation of global systems. Examines the effects of industrialization, imperialism, nationalism, world wars, the Cold War, communism, and globalization on contemporary societies.

Credit Hours: 3

University Studies: Approaches and Perspectives/Historical and Philosophical Approaches, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

HST 107 - Warfare in World History

Survey of war as a transformational force in world history from the ancient Mediterranean to the modern, globalized world. Includes how technology, politics, environment, climate, geography, and economics have

impacted war. Examines how societies have waged war, responded to war, and been influenced by war.

Credit Hours: 3

University Studies: Approaches and Perspectives/Historical and Philosophical Approaches, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.
Additional Course Fees: None

HST 114 - The Jews: From the Inquisition to Israel

Survey of Jewish history from the expulsion of the Jews from Spain to the modern era. Examination of how the different Jewish communities worldwide have met the challenges of a modernizing world. Topics include emancipation, religious reform and secularization, mass migrations, anti-Semitism, the Holocaust, and the founding of modern Israel. 3

Credit Hours: 3

University Studies: Approaches and Perspectives/Historical and Philosophical Approaches
Course Repeatability: Course may not be repeated.

HST 270 - Global Issues in Historical Perspective

Selected themes and events in international or global history, with particular attention to cultural, intellectual, and/or economic exchanges between the 'West' and the wider world. Topics include: Society and the Supernatural, International Slave Trade. May be repeated under different subtitles.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in a Global Society, Approaches and Perspectives/Historical and Philosophical Approaches
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

HST 363 - History of Modern East Asia

Survey of East Asian history from the mid-nineteenth century to the present, with emphasis on China and Japan and secondary attention to Korea and Vietnam. Course may be repeated for credit under different subtitles.

Credit Hours: 3

Additional Restrictions/Requirements: Any HST course or consent of instructor.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 9 **Repeat Limit:** 3

HST 365 - History of Modern South Asia

An examination of history of South Asian history from the nineteenth century till the present. Course may be repeated for credit under different subtitles including India and Pakistan since 1947, and Ghandi and Ghandism.

Credit Hours: 3

Additional Restrictions/Requirements: Any HST course or consent of instructor.

Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 9 **Repeat Limit:** 3

HST 368 - History of Modern Latin America

The development of South America, Central America, Mexico, and the Caribbean from the time of independence in the early nineteenth century to the present.

Credit Hours: 3

Additional Restrictions/Requirements: Any HST course or consent of instructor.
Course Repeatability: Course may not be repeated.

HST 372 - History of Modern Africa

Historical survey of African history from 1800 to the present with emphasis on the abolition of slavery and the slave trade; the scramble for Africa; establishment and operation of colonial rule; independence movements; and the post-colonial period.

Credit Hours: 3

Additional Restrictions/Requirements: Any HST course or consent of instructor.
Course Repeatability: Course may not be repeated.

HST 382 - History of Modern Middle East

An examination of the major developments in the history of the Modern Middle East. The course may be repeated for credit under different subtitles including Women and Gender in the Middle East, the Middle East since 1914, and Palestine and Israel.

Prerequisite Courses: Any history class.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 9 **Repeat Limit:** 3

INB 300 - International Business

Survey course of the importance of global issues as firms attempt to compete across the world. Key topics include: anticipating and preparing for global competition, understanding international trade theory and differences in political economies, reviewing global and regional economic integration, considering international market entry processes, and examining key cross-cultural issues affecting business operations.

Credit Hours: 3

Prerequisite Courses: ECN 222
Additional Restrictions/Requirements: Junior or senior standing, prerequisite course, or admission to the Cameron School of Business.
University Studies: Approaches and Perspectives/Living in a Global Society, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

INT 105 - Introduction to International Studies

An introductory, interdisciplinary survey of the main concepts and terminology associated with the broad, interdisciplinary field of international studies, including economic, geo-political, and socio-cultural globalization and the effects of these processes on individuals and communities.

Credit Hours: 3

University Studies: Approaches and

Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

INT 200 - Global Capitalism and its Discontents

An introduction to the history of capitalism, its alternatives, and its benefits and drawbacks in the era of globalization.

Credit Hours: 3

University Studies: Approaches and Perspectives/Historical and Philosophical Approaches, Approaches and Perspectives/Living in a Global Society, Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

PAR 230 - Judaism, Christianity, and Islam

Survey of the history of Judaism, Christianity, and Islam from their origins in the Middle East over 3,500 years ago to their diverse practices, scriptures, art, and communities around the world today.

Credit Hours: 3

University Studies: Approaches and Perspectives/Historical and Philosophical Approaches, Approaches and Perspectives/Living in a Global Society, Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

PAR 232 - Asian Religions

A survey of Hinduism, Buddhism, Taoism, and Confucianism; historical aspects, basic insights, contemporary relevance.

Credit Hours: 3

University Studies: Approaches and Perspectives/Historical and Philosophical Approaches, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

PAR 362 - Archaeology of Ancient Israel

Study of Ancient Israel, its peoples and cultures through archaeological artifacts and analysis of ancient writings.

Credit Hours: 3

Prerequisite Courses: PAR 103 or PAR 235
Additional Restrictions/Requirements: Prerequisite courses or consent of instructor.
University Studies: Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

PAR 373 - Chinese Religions

Examination of the history, philosophies, practices, and institutions of Chinese religions through both primary texts and secondary scholarship. Focus mainly on the indigenous religions of China - Confucianism, Daoism, and 'popular' or 'folk' traditions. Course will make use of texts, films, online resources, and images.

Credit Hours: 3

University Studies: Building Competencies/Writing Intensive/Information Literacy
Course Repeatability: Course may not be repeated.

PLS 111 - Politics and Government in Global Perspective

Survey for non-majors of politics and governmental institutions within and among nation states. Attention will also be given to the role of political theory and ideology in the governance of states.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

PLS 220 - Introduction to International Relations

Basic analysis of politics among nations. Role of law, force, and diplomacy in world politics; problems of war, peace, and disarmament.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

PLS 222 - Contemporary International Political Issues

Important international political issues and their impact on the political processes among the nations of the world. Topics are selected from, but not limited to: the role of the United Nations; environmental policy; separatism and nationalism; religious conflict and international order; terrorism; and economic development.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

PLS 370 - Global Environmental Governance

Explores international environmental negotiations and agreements of global environmental problems regarding overfishing, climate change, deforestation, biodiversity loss, trans-boundary pollutants, and water scarcity. Examines the debate surrounding sustainable development, ecological justice, and conflicts around resource scarcity.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

SOC 240 - Individuals and Societies in a Global World

Introduction to globalization as an ongoing socio-economic process and as an analytical concept. Examines various aspects of globalization of economies and societies.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

Any 300-400 Level INT Course.
Other appropriate courses as determined in consultation with an advisor and approved by program director.

Human Wellbeing Option:

ANT 346 - Medical Anthropology

Investigation of systems of medical knowledge and healthcare; representations of health and illness; interactions between environmental, biological, and

social factors that shape risk in vulnerable communities; and encounters between Western biomedicine and non-Western healing traditions. Emphasis on applied anthropology in global health settings.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

ATR 470 - Medical Terminology for Health Professions

The course is designed for students to build a foundational understanding of medical terminology with appropriate application to pathological conditions of the various body systems. Focus on preparing students to use appropriate medical documentation skills consistent with today's allied health care professions.

Credit Hours: 3

Prerequisite Courses: EXS 216 or BIO 240.
Course Repeatability: Course may not be repeated

BIO 202 - Principles of Biology: Biodiversity

Evolution, classification, and diversity of life, stressing morphology, physiology, principles of adaptation, and relationships between biotic and abiotic components of ecosystems. The lab for this course is BIOL 202.

Credit Hours: 3

Prerequisite or Corequisite Courses: BIOL 202
University Studies: Building Competencies/Information Literacy, Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

BIOL 202 - Principles of Biology: Biodiversity Laboratory

Introduction to basic biodiversity sampling techniques and data analysis. Experience in laboratory approaches to introduce major taxonomic groups and biotic principles. This course is the lab for BIO 202.

Credit Hours: 1

Prerequisite or Corequisite Courses: BIO 202

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

BIO 240 - Human Anatomy and Physiology I

Lecture must be taken concurrent with BIOL 240 . An introduction to the human organism with particular emphasis on maintenance of an internal steady state. Tissues, musculoskeletal, nervous, and endocrine systems are stressed. The lab for this course is BIOL 240.

Credit Hours: 3

Corequisite Courses: BIOL 240.
Prerequisite Courses: BIO 201 and CHM 101 and CHML 101.
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

BIO 241 - Human Anatomy and Physiology II

A comprehensive study of human organ systems as relates to the maintenance of homeostasis. Topics include cardiovascular, respiratory, digestive, urinary, and reproductive systems. The lab for this course is BIOL 241.

Credit Hours: 3

Corequisite Courses: BIOL 241
Prerequisite Courses: BIO 240
Course Repeatability: Course may not be repeated.

BIO 246 - Microbiology of Human Diseases

An introduction to and survey of the biology of pathogenic microorganisms responsible for human infectious diseases including: bacteria, viruses, fungi, single-celled protozoans, and parasitic worms, with an emphasis on transmission, diagnosis, prevention, and clinical management. The lab for this course is BIOL 246.

Credit Hours: 3

Prerequisite Courses: BIO 201 and CHM 101 and

CHML 101.
Course Repeatability: Course may not be repeated.

CHHS 210 - Creating Happiness and Well-Being

An introduction to the study of topics related to happiness and its impact on quality of life. Students will learn principles and theoretical models targeted at increasing and/or sustaining happiness. The course will focus on big-picture issues and real-world applications.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.

CHM 101 - General Chemistry I

Overview of the fundamental laws, principles and theories of chemistry. A 'C' or better in CHM 101 is required to take certain advanced courses in chemistry.

Credit Hours: 3

Corequisite Courses: CHML 101.
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

CHML 101 - General Chemistry Laboratory I

Introduction to general chemistry laboratory techniques. This course is the lab companion course for general chemistry lecture CHM 101.

Credit Hours: 1

Corequisite Courses: CHM 101.
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

ENG 234 - Literature and Medicine

Study of a broad range of literature from multiple periods, genres, and traditions, examining the representation of illness, health, disability, patients, trauma, and healing, among other topics related to the

medical humanities.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor.
University Studies: Approaches and Perspectives: Aesthetic, Interpretive, and Literacy Perspectives, Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.
Additional Course Fees: None

EXS 322 - Sports Nutrition

Relationship of exercise, physical activity, and performance to human nutrition. In-depth information on human energy systems, weight management, macronutrients, micronutrients, and ergogenic aids.

Credit Hours: 3

Prerequisite Courses: BIO 201 with a "C" or better, CHM 101 with a "C" or better, CHML 101 with a "C" or better, MAT requirement with a "C" or better (MAT 111 or MAT 112 or MAT 115 or MAT 151 or MAT 161 or

MAT 160 with a "C" or better), EXS 310 with a "C" or better or CHHS 411 with a "C" or better.
Additional Restrictions/Requirements: Restricted to Preexercise Science (PEXS) or Exercise Science (EXS) majors only or permission of instructor at the time the course begins.

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

GRN 101 - Introduction to Gerontology

Introduction to the social, psychological, physiological, and philosophical aspects of aging through reading, writing, and fieldwork.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

GRN 422 - Family Health and Aging

Study of family systems theory, paradigms for caregiving, illness and life-stage challenges for caregiving, and the interface between formal caregivers and caregiving families.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

GRN 424 - Cultural Representations of Aging

This course includes the study of various representations of aging, including fine art, films, novels, poetry, and more. We will compare and contrast such creative representations of aging with scientific (e.g., scholarly literature) ways of knowing about aging. Through engaging bio-psycho-social-humanities frameworks to explore aging-related phenomena, students will develop a well-rounded understanding of a variety of topics.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

GRN 440 - Current Issues in Gerontology

Study of current issues and topics in the field of aging from an interdisciplinary and global perspective with participation in a service-learning project.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

GRN 446 - Health Care Access for Older Adults

An introduction to the U.S. health care system with an emphasis on issues related to older adults, including problems of access to health care for the aging population, their families, and communities.

Credit Hours: 3

Prerequisite Courses: GRN 101
Additional Restrictions/Requirements: Junior or senior standing.
Crosslisting: GRN 546, RTH 546
Course Repeatability: Course may not be repeated.

HEA 105 - Individual Well-Being

Topical areas and issues in health explored within the physical, emotional, social, environmental, intellectual, and spiritual dimensions of personal wellness.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

HEA 207 - Nutrition and Behavior

Application of the principles of nutrition as related to health; various levels of wellness; and practices of health care. Emphasis on basics of sound nutrition, requirements of various food elements, diet planning, diet patterns for specific age groups, nutritional fads and weight control.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

HST 119 - History of Medicine

Survey of the history of medicine that covers the major intellectual, social, and cultural contexts foundational for our modern understanding of health and health

care.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

HST 120 - Medical Humanities

Introduction to the various disciplines, methods, and perspectives of medical and health humanities.

Credit Hours: 1

Course Repeatability: Course may not be repeated.

INT 332 - Global Politics of Food: An African Perspective

An examination of the global political economy of food through interdisciplinary examples from Africa with an exploration of the evolution of the human diet and traditional food production systems; the importance of culture in assigning meaning to food and how it is consumed; relationships between population, nutrition, and health; standards in the international trade of foods; the history and politics of food aid; food

sovreignity and sustainable development; and the relationship between the environment and food security.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

PAR 215 - Medical Ethics: Life and Death Decisions in Health Care

Examination of the principles and problems in the application of ethical theory to medical research and practice.

Credit Hours: 3

University Studies: Approaches and Perspectives/Historical and Philosophical Approaches
Course Repeatability: Course may not be repeated.

PAR 221 - Mindfulness and Racial Justice

Introduction to mindfulness and its application to racial justice issues and efforts. Explores mindfulness as a contemplative practice and discusses its similarities

and differences with religious contemplative practices of meditation, prayer, silence, and stillness. Adopts an intersectional approach that considers interlocking systems of oppression in the United States.

Credit Hours: 3

University Studies: Approaches and Perspectives/Historical and Philosophical Approaches/Living in a Diverse Nation, Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.

PAR 322 - Ritual Therapy and Health in Caribbean Religions

Explores the Caribbean religious understandings of health and healing, ethnomedical and ritual therapeutics, and other metaphysical healing techniques and spaces, including *Ebo* healing of *Ifa* divination, *Palo and Santeria (Lukumi)* Botanicas. Familiarizes students with the different health and healing approaches, techniques, and spaces in the Caribbean communities.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

PBH 105 - Explorations in Public Health

Please enter a description. General introduction to public health and how it interfaces with science and politics. Addresses the connectivity of public health and healthcare. The 3 P's of public health: prevent, protect and promote, and the roles of personal and social determinants of health are covered utilizing current public health events and initiatives. Partially satisfies University Studies II: Approaches and Perspectives/Understanding Human Institutions and Behaviors.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

PSY 105 - General Psychology

Principles of psychology with emphasis on scientific methods used in studying human behavior.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

PSY 223 - Life Span Human Development

Variables and factors underlying human growth and development across the life span. Physical, cognitive, social, emotional, and sexual developments are emphasized.

Credit Hours: 3

Prerequisite Courses: PSY 105
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

PSY 247 - Abnormal Psychology

An introduction to the symptoms and sequelae of behavioral disorders and major theories of the science

of psychopathology or abnormal psychology.

Credit Hours: 3

Prerequisite Courses: PSY 105
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

REC 265 - Leisure and Society

An introduction to leisure as a significant force in contemporary life. The importance of leisure for individuals, groups and cultures is explored through social, technological, psychological, historical, philosophical, anthropological, and economic foundations.

Credit Hours: 3

Additional Restrictions/Requirements: Open to REC majors and minors or consent of instructor.
University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 337 - Medical Sociology

A sociocultural analysis of the general area of health and illness. Emphasis is given to understanding the distribution of health and illness in the United States and its impact on the patient status. The course includes a discussion of the organization and use of health care services from a sociological perspective.

Credit Hours: 3

Prerequisite Courses: SOC 105
University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

STT 210 - Introduction to Statistics with Applications in the Health Sciences

Topics include descriptive statistics, probability, probability distributions, sampling distributions,

confidence intervals, hypothesis testing, correlation and regression. Instruction tailored to applications in the health sciences.

Credit Hours: 3

University Studies: Foundations/Mathematics and Statistics
Course Repeatability: Course may not be repeated.

SWK 235 - Introduction to Social Work and the Social Welfare System

Social welfare institution and the social work profession in the United States; the values, methods and roles of social workers and the history of the system.

Credit Hours: 3

Additional Restrictions/Requirements: Students must earn a "C" or better in each SWK course in order to progress in the program.
University Studies: Approaches and Perspectives/Understanding Human Institutions and

Behaviors
Course Repeatability: Course may not be repeated.

SWK 311 - Child Abuse and Neglect

Study of the knowledge base, laws, and professional roles associated with contemporary child welfare practice. Identification of child maltreatment, reporting procedures and community-based interdisciplinary practice issues are emphasized. Upon acceptance to the NC Child Welfare Education Collaborative, students must complete both SWK 311 and SWK 312 before admission to a DSS field placement.

Credit Hours: 3

Additional Restrictions/Requirements: Students must earn a "C" or better in each SWK course in order to progress in the program.
Course Repeatability: Course may not be repeated.

Other appropriate courses as determined in consultation with an advisor and approved by program director.

Artificial Intelligence and Technology in the Arts and Sciences Option

ANT 207 - Archaeology

An exploration of the objectives, theories, methodologies and interpretive tools utilized in the study of humankind's past. Both prehistoric and historic cultures will be examined. The lab for this course is ANTL 207.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors, Approaches and Perspectives/Historical and Philosophical Approaches
Course Repeatability: Course may not be repeated.

ANT 210 - Biological Anthropology

Introduction to the study of human evolution. A dynamic exploration of nonhuman primates, fossilized human ancestors, and human biology. Examines the intersection of biology and culture.

Credit Hours: 3

University Studies: Approaches and

Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

ART 370 - 3D Printing and Laser Cutting

Exploration of 3D printing and laser cutting for art and design. Study of digital art culture including contemporary artistic, political, and ethical issues in the field.

Credit Hours: 3

Prerequisite Courses: ART 101 or consent of instructor.
Course Repeatability: Course may not be repeated.

BAN 280 - Statistical Analysis for Business and Economics

Classification and presentation of business and economics data, probability and expected value, statistical inference, simple linear regression and correlation analysis.

Credit Hours: 3

Prerequisite Courses: MAT 111 or MAT 150.
University Studies: Foundations/Mathematics and Statistics
Course Repeatability: Course may not be repeated.

BIO 202 - Principles of Biology: Biodiversity

Evolution, classification, and diversity of life, stressing morphology, physiology, principles of adaptation, and relationships between biotic and abiotic components of ecosystems. The lab for this course is BIOL 202.

Credit Hours: 3

Prerequisite or Corequisite Courses: BIOL 202
University Studies: Building Competencies/Information Literacy, Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

BIOL 202 - Principles of Biology: Biodiversity Laboratory

Introduction to basic biodiversity sampling techniques and data analysis. Experience in laboratory approaches to introduce major taxonomic groups and biotic principles. This course is the lab for BIO 202.

Credit Hours: 1

Prerequisite or Corequisite Courses: BIO 202
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

CHM 101 - General Chemistry I

Overview of the fundamental laws, principles and theories of chemistry. A 'C' or better in CHM 101 is required to take certain advanced courses in chemistry.

Credit Hours: 3

Corequisite Courses: CHML 101.
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural

World
Course Repeatability: Course may not be repeated.

CHML 101 - General Chemistry Laboratory I

Introduction to general chemistry laboratory techniques. This course is the lab companion course for general chemistry lecture CHM 101.

Credit Hours: 1

Corequisite Courses: CHM 101.
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

CIT 110 - Fluency in Information Technology

Information representation, the Internet and HTML, algorithmic thinking and programming, language translation, modeling and abstraction, algorithmic complexity and non-computability, machine architecture and parallel computation, networks and communication, database principles, multimedia, social impacts of computing.

Credit Hours: 3

University Studies: Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

CSC 105 - Computing Competencies for College and the Workplace

College-level computing education for all majors focusing on software skills employers most frequently seek, technology-related social, legal and ethical issues, and foundational understanding of current digital technologies for efficient organization and effective communication. Students will choose one additional topic of interest such as business or graphic design.

Credit Hours: 3

University Studies: Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

CSC 202 - AI Essentials: Understanding Artificial Intelligence

Introduction to Artificial Intelligence (AI) fundamentals for all majors with minimum/no computer programming skills. Exploration of AI concepts and machine learning (ML) techniques to learn when and how to use AI tools to solve problems and to create AI/ML predictive models. Practical applications of AI/ML for various domains will be studied to understand and leverage AI/ML technology.

Credit Hours: 3

Prerequisite Courses: (Sophomore or higher with a declared major) and (a MAT 100-level course) or instructor approval.
Course Repeatability: Course may not be repeated.

EDN 301 - Instructional Design and Evaluation

Provides conceptual tools and analytic skills essential to planning, implementing, and evaluating instruction. The design of instruction that incorporates behavioral, cognitive and constructivist theories of learning and views of curriculum will be considered. Topics: types of

learning; conditions of learning; performance objectives; purposes, forms, and procedures for educational assessment; task analysis, and lesson design.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite:EDN 200 and EDN 203.
Course Repeatability: Course may not be repeated.

EDN 303 - Instructional Technology

Emphasizes the design, selection, production, and evaluation of instructional materials, computer-generated presentations, and interactive multimedia, with particular emphasis on their effective integration into an instructional unit. Develops skill in the operation of media production equipment, including microcomputers, fundamentals of operating systems, computer software applications, networks, and telecommunications.

Credit Hours: 3

University Studies: Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

EDN 322 - Foundations of Number and Algebraic Reasoning (K-6)

Focus on the curriculum, materials, and methods appropriate for the teaching of number and algebraic reasoning for the kindergarten through sixth grade level. Field experience required. The lab for this course is EDNL 322.

Credit Hours: 3

Prerequisite Courses: EDN 301
Additional Restrictions/Requirements: Prerequisite course and completion of 6 semester hours of appropriate mathematics or statistics at the 101 level or higher, with minimum grade of C-.

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

EDN 325 - Foundations of Geometry, Measurement and Data (K-6)

Focus on the curriculum, materials, and methods appropriate for the teaching of geometry, measurement and data for the kindergarten through sixth grade level. Field experience required.

Credit Hours: 3

Prerequisite Courses: EDN 322
Course Repeatability: Course may not be repeated.
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

ENG 104 - Introduction to Digital Humanities

Introduction to the application of digital tools for humanities research. Students explore interdisciplinary definitions of Digital Humanities (DH) and DH research methods; investigate and critique DH projects; and plan and execute their own collaborative DH projects.

Course Repeatability: Course may not be repeated.

ENG 205 - Introduction to Literary and Cultural Studies

An immersive introduction to literary and cultural studies, focusing on a single text. Students will learn how to write literary and cultural criticism, with an emphasis on interpretative methods, practical research skills, and discipline-specific conventions of citation.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor.
University Studies: Building Competencies/Writing Intensive, Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

ENG 309 - Technical Editing

Focus on the fundamentals of effective writing, organization, and design in order to develop the language and proficiencies necessary to edit print and digital texts used in a range of organizations.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 204, or consent of instructor.

Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
University Studies: Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

ENG 312 - Writing Strategies for Business and Innovation

Advanced exploration of research and writing skills needed to plan and design texts for diverse audiences within organizational contexts. Projects include business plans, proposals, reports, and other genres developed using a variety of media. Includes instruction in graphically representing data and using social media for research and/or outreach.

Credit Hours: 3

University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

ENG 314 - Digital Composing

Study of the intersection between writing and technology, including Web page creation, documentation, usability, desktop publishing, and the use of graphics with text.

Credit Hours: 3

Prerequisite Courses: ENG 204 or ENG 205 or permission of instructor.
University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

ENG 319 - Document Design

Study of effective design of print and electronic documents. Emphasis on browsing patterns, usability, the interaction of text and graphics, and visual rhetoric. Includes a service-learning component.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 204, or consent of instructor.
University Studies: Building Competencies/Writing

Intensive
Course Repeatability: Course may not be repeated.

ENG 326 - Writing with Artificial Intelligence

Introduction to the intersection of Artificial Intelligence (AI), writing, and content operations within the field of professional writing. Explores the fundamentals of AI and its application in automating and optimizing the content creation and distribution process.

University Studies: Building Competencies/Writing Intensive, Critical Reasoning
Course Repeatability: Course may not be repeated.

ENG 367 - Digital Humanities Applications

Project-based exploration of a real world problem (social, cultural, interpretive/aesthetic). Students conduct primary and/or secondary research using digital and non-digital methods and present findings using a relevant digital medium that aligns with the project's values, goals, and audience.

Prerequisite Courses: ENG 104
Course Repeatability: Course may not be repeated.

ENG 414 - Writing for the Web

Explores visual rhetoric and new media theories to inform the analysis and production of texts in Web formats. Topics may include writing content for existing Web outlets, markup conventions, search engine optimization, and modification of Content Managment System (CMS) and html/css templates.

Credit Hours: 3

Prerequisite Courses: ENG 314 or ENG 319
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

EVS 195 - Introduction to Environmental Sciences

Interdisciplinary introduction to the scope and application of environmental sciences. Emphasis on integrated analysis of environmental principles and discussions centering on current environmental problems. The lab for this course is EVSL 195.

Credit Hours: 3

Additional Restrictions/Requirements: EVS 195 and EVSL 195 may be taken in different semesters.
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

EVS 205 - Global Environmental Issues

Interdisciplinary study of contemporary environmental issues at a global scale, such as climate change, human population, biodiversity loss, food and water scarcity, energy, stratospheric ozone depletion, acid rain, and environmental justice. Causes, effects, policy implications, international negotiations, and development of treaties will be examined.

Credit Hours: 3

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World, Approaches and Perspectives/Living in a Global

Society
Course Repeatability: Course may not be repeated.

FSC 211 - Fundamentals of Forensic Science

Survey of theories, methods, techniques and applications of various forensic science disciplines. Topics include but are not limited to: crime scene and death investigation; body identification; forensic biology and chemistry; pattern, trace, and imprint evidence analysis; and forensic behavioral science.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.

GGY 130 - Geosystems

Spatial distribution of environmental elements and processes, including weather and climate, groundwater, soils, rocks, plate tectonics, landforms, and vegetation. Three lecture and two laboratory hours each week.

Credit Hours: 4

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World, Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

GGY 230 - Introduction to Weather and Climate

Examination of general climatic characteristics through space and time, especially as influenced by controls upon temperature, wind and moisture distributions, and by planetary, regional and local atmospheric disturbances.

Credit Hours: 3

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

GLY 120 - Environmental Geology

Introduction to the relationships between man and his geologic environment. Concerned with the problems that people have in using the earth and the reaction of the earth to that use. Emphasis is placed on earth processes, earth resources, and properties of rocks and surficial deposits insofar as they are important to or affect human activities. The lab for this course is GLYL 120.

Credit Hours: 3

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

GLY 125 - Natural Disasters

Examination of the causes, effects, and options available to mitigate actual disasters, such as earthquakes, volcanic eruptions, landslides, subsidence, flooding, severe weather, and meteorite impacts. Case histories are used to demonstrate scientific principles and socioeconomic issues.

Credit Hours: 3

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

HST 112 - History of Science II: Modern Science

Growth and development of modern science. Topics include Darwin's theory of evolution, Einstein's special and general relativity, quantum mechanics, wartime science, the discovery of DNA, and the impact of science and technology on modern society.

Credit Hours: 3

University Studies: Approaches and Perspectives/Historical and Philosophical Approaches
Course Repeatability: Course may not be repeated.

HST 329 - History of Science and Technology in the Modern World

Examination of themes in the history of science and technology since the Scientific Revolution, such as controversies in science and technology, history of technology/biotechnology, history of American Science, and science and technology since 1900. Course may be repeated for credit under different subtitles.

Credit Hours: 3

Additional Restrictions/Requirements: Any HST course or consent of instructor.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 9

MAT 275 - Axiomatic Systems

Introduction to logic and mathematical proof with a focus on properties of the real number system. Elementary set theory, relations, functions, cardinality, algebraic and completeness properties of the reals and topics from axiomatic systems. Precision in the language of mathematics and rigor in proofs. Student presentations.

Credit Hours: 3

Prerequisite Courses: MAT 152 or MAT 161
Course Repeatability: Course may not be repeated.

OCN 150 - Introduction to Oceanography

An introduction to the geology, physics, chemistry, and biology of the ocean; instruments and techniques of oceanography; resources of the ocean. The lab for this course is OCNL 150.

Credit Hours: 3

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

PAR 105 - Critical Reasoning With Artificial Intelligence

Introduction to the principles of proper reasoning through the use of generative AI. Exploration of how to assess the reasoning of AI and how to use AI to improve one's own argumentation. Study of the contrast between good and bad forms of reasoning as

manifested by both humans and AI.

University Studies: Critical Reasoning
Course Repeatability: Course may not be repeated.

PAR 312 - Ethics of Artificial Intelligence

Introduction to major topics in the ethics of artificial intelligence, including the proper role of AI in moral decision-making, the potential for AI to have moral status, the relevance of AI to issues of academic integrity, and the potential for AI to engage in racial discrimination.

Course Repeatability: Course may not be repeated.

PAR 320 - Philosophy of Mind

Selected readings drawn from classical and/or contemporary sources bearing on problems of the self, such as the issue of personal identity and the concept of a person, the problem of the relation of mind and body and the question of the nature of consciousness.

Credit Hours: 3

Prerequisite Courses: PAR 101
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

PAR 390 - Religion and Technology

Explores how religions in the past and present are necessarily and inherently technological. Evaluates modern assumptions about the secular (i.e., non-religious) nature, digital nature, and passive work of technology. Topics vary by instructor.

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives, Critical Reasoning, Approaches and Perspectives/Historical and Philosophical Approaches
Course Repeatability: Course may not be repeated.

SOC 340 - Organizations in Modern Society

An introduction to the dynamics of social life in large-scale organizations. Topics include organizational social psychology, organizational structure and process, and organization-community relations.

Credit Hours: 3

Prerequisite Courses: SOC 105
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

STT 215 - Introduction to Statistics

Methods of data collection; numerical and graphical analyses of univariate and bivariate data; axioms of probability; conditional probability; independence; distributions of random variables; introduction to confidence intervals and hypothesis testing; simple linear regression and correlation; use of statistical software to analyze data and simulate random variables.

Credit Hours: 3

University Studies: Foundations/Mathematics and Statistics
Course Repeatability: Course may not be repeated.

Other appropriate courses as determined in consultation with an advisor and approved by program director.

Justice, Social Institutions and Human Behavior Option

ANT 206 - Cultural Anthropology

A presentation of the content and historical development of cultural anthropology. Deals with the cultural relativism, ethnocentrism, institutional analysis and cultural integration and shifts in theoretical perspectives by comparing ethnographies of selected cultures.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

ANT 207 - Archaeology

An exploration of the objectives, theories, methodologies and interpretive tools utilized in the study of humankind's past. Both prehistoric and historic cultures will be examined. The lab for this course is ANTL 207.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors, Approaches and Perspectives/Historical and Philosophical Approaches
Course Repeatability: Course may not be repeated.

ANT 210 - Biological Anthropology

Introduction to the study of human evolution. A dynamic exploration of nonhuman primates, fossilized human ancestors, and human biology. Examines the intersection of biology and culture.

Credit Hours: 3

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

CRM 105 - Introduction to Criminal Justice

Study of criminal law and the criminal justice system in the U.S. Emphasis on structure and function of police,

courts and corrections.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.

CRM 255 - Criminology

May not be taken for credit if student has already completed SOC 256 or CRM 256. The scientific study of the nature, extent, correlates and etiology of crime, with an emphasis on sociological theories of crime. Topics include crimes against persons and property, public order crimes, and both informal and formal reactions to crime.

Credit Hours: 3

Prerequisite Courses: CRM 105or SOC 105
University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors

Crosslisting: SOC 255
Course Repeatability: Course may not be repeated.

EDN 200 - Teacher, School and Society

This course examines historical, sociological, and philosophical foundations of education as well as issues of diversity. The course engages students' knowledge, research, and analytical skills in relation to the goals and purposes of education. Students are challenged to critically reflect on personal and educational experiences as preservice professionals. The course is designed to provide opportunities to observe and engage in reflective discussion of curriculum and instructional practices, school governance and organization, and school-community relationships, inclusive of field experience. **Additional liability insurance expense may be necessary.** The lab for this course is EDNL 200.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in Our Diverse Nation, Explorations

Beyond the Classroom
Course Repeatability: Course may not be repeated.

EDN 203 - Psychological Foundations of Teaching

A study of the major psychological variables that influence learning in schools and their applications to teaching. Addresses theories and systems of learning (behavioral, cognitive, constructivist, and humanistic); major developmental processes and typical characteristics; and principles of motivation. Variables explaining and accounting for individual differences will be examined, including cultural aspects of learning and special needs learners. Students will learn about practices associated with effective teaching, including classroom management, and standards for valid assessment of student learning.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.

Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

EDN 304 - Creativity, Imagination, and Innovation in Education

This course will examine the creative process in teaching, curriculum design, and educational spaces. Students will explore the ways that individuals develop, implement and evaluate new ideas, processes, and programs related to education. Students will also study the cultivation of imagination and the nurturing of innovation using real-world examples.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

EDN 370 - Gender and Education

This course will investigate the historical and contemporary issues related to gender, sexuality, and sex education. Specific topics will include: the construction of gender identity in educational settings, educational practices that reinforce or challenge gendered identities, single-sex education, and sexuality

education. Students in the course will also explore laws and policies related to gender and sexuality in education.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

EDN 400 - Immigration, Demographics, and Justice in Education

This course will consider immigration, changing demographics in the United States, the effects of these changes on schools and communities, and power structures that support and/or hinder school and community responses to changing demographics. Specific attention will be given also to differences in rural and urban demographic shifts and the effects of those shifts on education.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

EDN 425 - Educational Policy and Advocacy

In this course students will study local, state, national, and international policies related to education. Students will examine the causes and effects of specific policies for teachers, students, and communities. Students will complete an in-depth study of a group or agency that advocates for children, youth, families, and/or schools. A capstone project is included in this course.

Credit Hours: 3

University Studies: Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

PAR 220 - Race and Social Justice

Introduction to philosophical issues in race and social justice. Topics include race and identity, discrimination, multiculturalism, affirmative action, anti-racism.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in Our Diverse Nation, Approaches and Perspectives/Historical and Philosophical

Approaches
Course Repeatability: Course may not be repeated.

PAR 313 - Justice, Rights, and the Common Good: Philosophical Perspectives on Socio-Political Issues

Exploration of philosophical issues and concepts central to an understanding of social and political life, for example function and cause, justice, liberty, equality, societal facts and laws, utopias, reason and political argument, political obligation, and the public interest.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in Our Diverse Nation, Critical Reasoning, Approaches and Perspectives/Historical and Philosophical Approaches
Course Repeatability: Course may not be repeated.

PLS 204 - Judicial Politics

An analysis of the organization, powers and role of the judiciary. Topics include: the political role of judges,

factors influencing judicial policy-making, selection of judges, the role of lawyers, and judicial decision-making.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

PLS 305 - The Constitution and the Criminal Justice System

Study of U.S. Supreme Court decisions on rights of suspects, defendants, witnesses, and convicted criminals.

Credit Hours: 3

Prerequisite Courses: PLS 101
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

PLS 310 - Legal Philosophy and Jurisprudence

Introduction to the nature, concept and sources of law and the various schools of jurisprudence. Topics

treated include natural law; historical, analytical and sociological jurisprudence; idealism; utilitarianism; legal realism; equity, justice, precedent, custom and law; and the relation of law and morality.

Credit Hours: 3

Additional Restrictions/Requirements: Junior or senior standing or consent of the instructor.
Crosslisting: PAR 310
Course Repeatability: Course may not be repeated.

PLS 311 - Legal Research and Writing

Students will locate, apply, and analyze law in correct and precise written form. Legal formatting and Bluebook citation will be emphasized. Iterative writing assignments will encourage students to incorporate cohesive revisions leading to critical analysis in objective and persuasive writing. Students will produce a legal memorandum and a court brief while utilizing critical written analysis of the law.

Credit Hours: 3

University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

PSY 105 - General Psychology

Principles of psychology with emphasis on scientific methods used in studying human behavior.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

PSY 211 - Perception and Cognition

Survey of major phenomena, methods, and theories associated with the study of perception and cognition. Topics include sensory systems, perceptual processes, attention, memory, knowledge, decision-making, and problem solving.

Credit Hours: 3

Prerequisite Courses: PSY 105
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

PSY 217 - Learning and Behavior Change

Basic principles of conditioning, learning, and behavior change. Topics will include and introduction to classical and operant conditioning and the applications experimentally discovered principles to psychological interventions, as well as other fields such as education, business, and health.

Credit Hours: 3

Prerequisite Courses: PSY 105
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

PSY 220 - Child Psychology

Human psychological development through childhood and early adolescence. Normal development is emphasized.

Credit Hours: 3

Prerequisite Courses: PSY 105
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

PSY 223 - Life Span Human Development

Variables and factors underlying human growth and development across the life span. Physical, cognitive, social, emotional, and sexual developments are emphasized.

Credit Hours: 3

Prerequisite Courses: PSY 105
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

PSY 245 - Drugs and Behavior

Psychological aspects of drug use and abuse. Emphasis on the effects of major psychoactive drugs (including alcohol) on behavior, the psychological determinants of drug use, and treatment of drug abuse.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

PSY 246 - Psychology of Personality

Overview of the theoretical models underlying the structure and organization of individual differences. Emphasis on empirical research evaluation the different theoretical models. Topics include the self-concept, awareness of motivation, perceived control, and the biological mechanisms influencing traits such as extraversion.

Credit Hours: 3

Prerequisite Courses: PSY 105
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

PSY 247 - Abnormal Psychology

An introduction to the symptoms and sequelae of behavioral disorders and major theories of the science of psychopathology or abnormal psychology.

Credit Hours: 3

Prerequisite Courses: PSY 105
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

PSY 265 - Human Sexual Behavior

Psychological aspects of human sexuality with emphasis on psychosexual development and behavior. Includes discussion of causative factors and treatment of sexual disorders and deviations.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

PSY 320 - Psychology of Infancy and Early Childhood

An in-depth examination of development from conception through kindergarten age. Both normal and a typical development are considered from a biopsychosocial perspective. Methodological and

theoretical issues are emphasized.

Credit Hours: 3

Prerequisite Courses: PSY 220 or PSY 223
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

PSY 322 - Developmental Psychopathology

The psychological disorders of childhood, including their description, etiology, assessment, and treatment. Emphasis on the theoretical and empirical bases of these disorders, focusing on relevant clinical research methods and treatment findings.

Credit Hours: 3

Prerequisite Courses: PSY 247
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

PSY 324 - Psychology of Aging

A study of the psychological aspects of human aging. Topics include the effects of normal and diseased

aging on perceptual and cognitive functioning, personality and social relationships, and physical and emotional health.

Credit Hours: 3

Prerequisite Courses: PSY 220 or PSY 221 or PSY 223
Additional Restrictions/Requirements: Prerequisite courses or consent of the instructor.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

PSY 336 - Industrial-Organizational Psychology

Psychological techniques in job analysis, personnel selection and placement, training, performance appraisal, employee motivation, employee health and satisfaction, organizational productivity and communication, group decision making, and leadership.

Credit Hours: 3

Prerequisite Courses: PSY 246 or PSY 264

Additional Restrictions/Requirements: Prerequisite courses or consent of instructor.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

PSY 352 - Health Psychology

Integrates psychological and biomedical knowledge relevant to physical health and illness. The interaction of psychological phenomena with the epidemiology, etiology, pathogenesis, treatment, and rehabilitation of physical disorders.

Credit Hours: 3

Prerequisite Courses: PSY 246 or PSY 264
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

PSY 366 - Psychology of Close Relationships

Personality development within close relationships including recent theoretical and empirical findings on courtship, interpersonal attraction, marriage contract, and the various stages of the family life cycle. Communication, familial functioning and dysfunctioning

are emphasized.

Credit Hours: 3

Prerequisite Courses: PSY 264 or PSY 246
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 105 - Introduction to Sociology

Introduction to the scientific study of human society and social behavior.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 215 - Modern Social Problems

Contemporary social issues and conditions viewed as problematic, such as racism, sexism, crime, poverty, war, alienation, and deviance.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 255 - Criminology

May not be taken for credit if student has already completed SOC 256 or CRM 256. The scientific study of the nature, extent, correlates and etiology of crime, with an emphasis on sociological theories of crime. Topics include crimes against persons and property, public order crimes, and both informal and formal reactions to crime.

Credit Hours: 3

Prerequisite Courses: SOC 105 or CRM 105
University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors

Crosslisting: CRM 255
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SWK 235 - Introduction to Social Work and the Social Welfare System

Social welfare institution and the social work profession in the United States; the values, methods and roles of social workers and the history of the system.

Credit Hours: 3

Additional Restrictions/Requirements: Students must earn a "C" or better in each SWK course in order to progress in the program.
University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.

Any 300-400 Level Course in ANT, CRM, or SOC (note that many have pre-requisites)
Other appropriate courses as determined in consultation with an advisor and approved by program director.

Electives: (12 hours)

Choose from courses in any option. Other appropriate courses as determined in consultation with an advisor and approved by program director. All credits that are part of any approved UNCW Minor or Certificate Program undertaken by an IDS Major can be applied to electives or an appropriate track in IDS.

Total Credit Hours: 39-42

Additional Information:

A 2.0 in the major is required for graduation. A grade of "C-" or better is required in all courses counted toward the major.

International Studies, B.A.

Dr. Florentina Andreescu, Chair

International Studies is an interdisciplinary major that focuses on social transformation and innovative responses to seemingly intractable global problems. International Studies students learn to:

- Think across disciplines
- Move between the the local and the global

- Be mindful of the realities of human lives at the center of our investigations

One of UNCW's strategic goals is to "Create an educational environment that prepares our students to be global citizens." Students are prepared to face these global issues and help create a more just and equitable world.

However, preparing students to be competitive in the global workforce is equally as important. Occupations and professions in a variety of settings increasingly emphasize global knowledge, skills and experience.

The International Studies major is designed specifically to meet these goals by offering an interdisciplinary bachelor's degree that provides a distinctive international learning experience for UNCW students. The integrative program curriculum will provide students with:

- A focus on a particular international theme or geographic area of concentration
- Exposure to other cultures, people, and places
- An understanding of one's own culture from international perspectives
- A deeper appreciation of the global society.

Oral Communication Requirement

To satisfy the oral communication requirement for the B.A. degree in International Studies a student must successfully complete INT 490.

Applied Learning Requirement

To satisfy the applied learning requirement for the B.A. degree in International Studies a student must successfully complete the international experience requirement.

Requirements for a Major in International Studies for the B.A. degree

Students must have a "C-" or higher in all core requirements for the major, and an overall GPA of 2.0 or higher in the major.

Core Requirements (18 Credit Hours)

INT 105 - Introduction to International Studies

An introductory, interdisciplinary survey of the main concepts and terminology associated with the broad, interdisciplinary field of international studies, including economic, geo-political, and socio-cultural globalization

and the effects of these processes on individuals and communities.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

INT 300 - Interdisciplinarity and International Studies

An introduction to the rationale and application of interdisciplinarity to International Studies.

Credit Hours: 3

Prerequisite Courses: INT 105
Additional Restrictions/Requirements: Restricted to International Studies majors or minors.
University Studies: Building Competencies/Writing Intensive, Information Literacy, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

INT 490 - Senior Seminar in International Studies

Advanced, interdiscipline study of topics that address critical developments and debates of contemporary international importance.

Credit Hours: 3

Prerequisite Courses: INT 300
Additional Restrictions/Requirements: International Studies major, and second semester junior or senior standing.
University Studies: Building Competencies/Writing Intensive and Information Literacy
Course Repeatability: Course may not be repeated.

Global Governance. One of:

INT 200 - Global Capitalism and its Discontents

An introduction to the history of capitalism, its alternatives, and its benefits and drawbacks in the era of globalization.

Credit Hours: 3

University Studies: Approaches and Perspectives/Historical and Philosophical Approaches, Approaches and Perspectives/Living in a Global Society, Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

INT 215 - Interdisciplinary Approaches to the Politics of Globalization

Exploration of interdisciplinary and political dimensions of globalization, including the concept of "globalization", what it means in various contexts, and the way in which it developed through the Cold War and beyond. Introduction to an international political economy perspective, which is foundational to understanding globalization and the way we study the world in International Studies.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.

Environment and Development. One of:

INT 232 Global Development and its Critics
Credits / Units: 3

INT 230 - Sustainability: From Global Goals to Local Action

Historical overview of how sustainability has been understood, and an introduction to the 17 Sustainable Development Goals (SDGs): what they are, how progress can be measured, and how the SDGs are relevant for the management of the global systems supporting humanity.

Credit Hours: 3

University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6 **Repeat Limit:** 1

Global Cultural and Social Dynamics

INT 220 - Cultural and Social Globalization

Exploration of contemporary cultural and social changes in the context of globalization. The course focuses on the ways in which various global and local cultural arenas reflect and are transformed by late capitalism's societal shift towards a mode of existence where images and consumerist desires have become the driving forces.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in a Global Society, Critical Reasoning
Course Repeatability: Course may not be repeated.
Major Restriction None**Minor Restriction** None

Language Requirement (3 Credit Hours)

Complete any Language (SPN, FRH, PRT, RUS, CHN, JPN, ITN, GER, or other language) to the 202 level, or an equivalent through the placement test, or ACTFL score to the Intermediate level.

International Experience Requirement (3 Credit Hours)

Any approved UNCW Study Abroad Program, or INT Study Abroad programs.

Students may petition for an exception to this requirement and substitute with either INT 491 (Directed Independent Study) or INT 498 (International Studies Internship)

The International Experience will apply as your University Studies applied learning requirement and can be applied to your EBC requirement as well (by petition).

INT 294 - International Student Exchange

Sophomore-level designation for UNCW students participating in a semester exchange program in another country.

Credit Hours: 12

University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

INT 394 - International Student Exchange

Junior-level designation for UNCW students participating in a semester exchange in another country.

Credit Hours: 1 To 12

Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

INT 494 - International Student Exchange

Senior-level designation for UNCW students participating in a semester exchange program in another country.

Credit Hours: 12

University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

Note: In order to study abroad, students must have an overall GPA of 2.5 or better.

Concentration Requirement (15 Credit Hours)

- 15 hours in a thematic area (Global Cultural and Social Dynamics, Global Governance, or Environment and Development)
- 12 hours at 300 level or above; minimum of 3 upper-level INT electives.

Global Cultural and Social Dynamics

Explores significant issues related to various aspects of human society and culture, such as immigration, human rights, social movements, conflict and justice, and civilizations: histories, languages, and religions of various regions and countries.

ANT 317 - Social Issues in Latin America

Complex national cultures of Latin America. Contemporary issues such as the rights of native peoples, peasant land reform, urban slum settlements, development of resources, and political and economic reform movements. Case studies of individual countries.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

ANT 318 - Religion and Public Life Across Cultures

Exploration of the relationship between religion and politics and the increasing role of religion in public life across different cultures in the contemporary world. Students will learn about the interactions between religion, politics, and public life in countries with ties to different majoritarian religions such as the U.S.A. (Protestant Christianity), France (Catholicism), Turkey (Sunni Islam), and India (Hinduism).

Course Repeatability: Course may not be repeated.

ANT 327 - Globalization & Culture Change

Explores processes of globalization in local communities by addressing issues and dynamics of culture change in the contemporary world. Themes include: economic development and underdevelopment; legacies of colonialism; immigration; transnational culture; market and meaning exchanges in media and the arts; and organized resistance to globalization.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

ANT 330 - The Immigrant Experience

Through ethnographic accounts and personal narratives from a variety of global settings, the course examines the economic, social and political factors that prompt migration and explores the cultural adaptations, ethical questions, human rights issues, and public policy debates of immigration and resettlement.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in Our Diverse Nation, Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

ENG 301 - International Journalism

Study of news practices across borders and within different regional contexts. Themes include foreign correspondence, news flows, and media's relationship

to globalization and development.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

ENG 340 - Multiculturalism and Literature

Multicultural literatures within and outside of the United States, such as African and African American, Asian and Asian American, and Latin American and Latino literature; introduction to contemporary perspectives on multiculturalism.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
Course Repeatability: Course may not be repeated.

ENG 341 - Studies in the Global South

Study of literature, cultural practices, politics, and concepts related to the Global South, with an emphasis on Latin America, South Asia, Africa, the Caribbean,

and possible reverberations/intersections in the US South.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

ENG 342 - Transnational Literatures

Study of a topic in transnational literatures. Courses focus literary and cultural production across multiple geographical locations and historical periods. Courses place a particular emphasis on the circumstances that shape the interrelations between diverse cultural practices.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of

instructor. ENG 205 is strongly recommended.
University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6

ENG 359 - World Indigenous Literature and Film

Study of past and present literatures and film produced by various indigneous peoples from outside the United States.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6

ENG 412 - Writing in Intercultural and Global Contexts

Develops competency in writing within intercultural and global contexts. Focuses on developing critical perspective about cultural concepts and theories in the context of globalization through broader frameworks of discourse, commodities, space, and labor in everyday life.

Credit Hours: 3

University Studies: Building Competencies/Writing Intensive, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

FNA 101 - Cultures of the World Through Music and Dance

Examination of a variety of musical styles and dance forms from around the world, with attention to cultural issues and practices. Includes participation in dance and musical experiences.

Credit Hours: 3

University Studies: Approaches and

Perspectives/Aesthetic, Interpretive, and Literary Perspectives, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

HON 212 - Honors Topical Interdisciplinary Seminar: Living in a Global Society

An in-depth investigation of a special topic related to the theme 'Living in a Global Society' using the approaches of several disciplines; may be team-taught. Topics and approaches vary. Examples are 'Brazilian Culture' and 'Germs of the World.' May be repeated under different subtitles.

Credit Hours: 3

Additional Restrictions/Requirements: Formal enrollment in the Honors Scholars College or consent of director.
University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

HST 270 - Global Issues in Historical Perspective

Selected themes and events in international or global history, with particular attention to cultural, intellectual, and/or economic exchanges between the 'West' and the wider world. Topics include: Society and the Supernatural, International Slave Trade. May be repeated under different subtitles.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in a Global Society, Approaches and Perspectives/Historical and Philosophical Approaches
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

HST 363 - History of Modern East Asia

Survey of East Asian history from the mid-nineteenth century to the present, with emphasis on China and Japan and secondary attention to Korea and Vietnam. Course may be repeated for credit under different subtitles.

Credit Hours: 3

Additional Restrictions/Requirements: Any HST course or consent of instructor.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 9 **Repeat Limit:** 3

HST 372 - History of Modern Africa

Historical survey of African history from 1800 to the present with emphasis on the abolition of slavery and the slave trade; the scramble for Africa; establishment and operation of colonial rule; independence movements; and the post-colonial period.

Credit Hours: 3

Additional Restrictions/Requirements: Any HST course or consent of instructor.
Course Repeatability: Course may not be repeated.

HST 377 - Topics in International History

Selected themes and events in international or transnational history. Examples of course topics

include: The Second World War, Age of Napoleon. May be repeated under different subtitles.

Credit Hours: 3

Additional Restrictions/Requirements: Any HST course or consent of instructor.
Course Repeatability: Course may be repeated.

INT 311 - Film and the Feminine Ideal in Post Communist Eastern and Central European Cinema

An introduction to gender in transitional societies, politics, and economics through the medium of film with a focus on Post Communist Eastern and Central European women.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

INT 314 - International NGOs, Globalization, and Development

Interdisciplinary overview of theories on the role international Nongovernmental Organizations play in the development of a country including development of political and economic institutions. Focus on the mounting internal and external challenges that threaten the promise of international Nongovernmental organizations, particularly in the Global South.

Credit Hours: 3

Prerequisite Courses: INT 105 or permission of instructor.
Course Repeatability: Course may not be repeated.

INT 316 - Global Protest Movements

An examination of global protests and activism for social, political or economic change.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in A Global Society, Building

Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

INT 317 - Dictators, Despots, and Presidents for Life

An examination of global history and current events through the lens of despotic governments and authoritarian regimes.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

INT 318 - Transitional Justice

An overview of the major theories of transitional justice that considers the range of processes and mechanisms available. Examines the legacies of human rights abuses through the exploration of the field's most emblematic case studies from a number of countries, such as South Africa, Rwanda, Argentina, Chile, and Bosnia Herzegovina.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

INT 332 - Global Politics of Food: An African Perspective

An examination of the global political economy of food through interdisciplinary examples from Africa with an exploration of the evolution of the human diet and traditional food production systems; the importance of culture in assigning meaning to food and how it is consumed; relationships between population, nutrition, and health; standards in the international trade of foods; the history and politics of food aid; food sovreignity and sustainable development; and the relationship between the environment and food security.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

INT 333 - China in Africa

Examination of the historical and contemporary linkages between Africa and China. This course aims to

provide students an opportunity to critically discuss and analyze China-Africa, or Africa-China, socioeconomic relations and their implications for future political relations.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

INT 336 - Modern China through Film

Examination of the social, cultural, economic, and political issues confronting modern China as constructed in feature films produced inside the country and the West including before and after the Communists came to power.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

INT 337 - China Encounters the World

Examination of how China has encountered the world since the 17th century, with emphasis on the late 19th and 20th centuries and how China has emerged as a

major power in the 21st century.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

INT 338 - Modern Japan through Film

An exploration of how modern Japan, from the Togugawa period (1600-1867) through the Meiji Restoration (1868), and into the contemporary Showa (1926-1989) and Heisei (1989-) eras, has been constructed and represented in feature films.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

INT 339 - Japan Encounters the World

Focus on the emergence of Japan as a regional economic and political power in Asia, and global actor. Emphasis is given to Japan's historical transformation from isolation in the 17th century to a global power in the 20th and 21st centuries.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

INT 351 - The Contemporary Persian Gulf

Examination of the political, social, and economic history and issues of the Persian/Arabian Gulf in the 19th, 20th, and 21st centuries.

Credit Hours: 3

University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

INT 352 - The Contemporary Middle East

Examination of the political, social, and economic history and issues of the modern Middle East.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

INT 360 - Global Development: African Perspectives

Examination of recent trends in global development based upon broad agendas designed and implemented under the following United Nations frameworks: the Millennium Development Goals (MDGs) and the Sustainable Development Goals (SDGs).

Credit Hours: 3

Course Repeatability: Course may not be repeated.

INT 361 - Ethnic Conflicts and Territorial Disputes

Examination of modern territorial disputes and ethnic conflicts in Asia, Europe, Africa and the Middle East in the 20th and 21st centuries.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

INT 362 - International Human Rights

Examination of basic human rights principles, instruments and institutions, and an overview of current issues and debates in practical and political dynamics of human rights. Takes a multi-disciplinary approach, drawing together contributions from political and social scientists, philosophers, lawyers, and policy experts and makes extensive use of case studies to illustrate key points.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

INT 363 - Global Political Economy

Explores the dynamic ways in which markets, states, and societies interact with one another, within a context of increasing global economic, political, and cultural interdependence. The course combines a focus on Global Political Economy's main theoretical approaches with the analysis of stringent issues triggered by the expansion and intensification of economic, political, and cultural life at a global level.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

INT 364 - Global Populism

An exploration of old and new populist movements, the causes of their resurgence in the United States and around the world, and their possible long-term consequences.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

INT 365 - Globalization and Social Change

An examination of the relationship between globalization and the contemporary cultural and social changes, focusing on various global and local cultural arenas transformed by late capitalism's societal shift from a structural reliance on language and prohibition of enjoyment, to a mode of existence where images and consumerist enjoyment have become the driving force.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

INT 366 - Comparative Political Regimes through Film

A comparison of post-cold war films produced in Russia, the USA, and China as representatives of three civilizations: Eastern-Orthodox, Confucian, and Western; as well as of three political regimes; democracy, transitional democracy, and authoritarian.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

INT 367 - America through Foreign Eyes

An examination of how non-Americans view the United States and its citizens. The course will reveal both the positive and negative images of America and Americans, as well as how these images are created and perpetuated and their consequences.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

INT 369 - Edible Culture: Globalization, Food, and Identity

Study of Globalization and its relation to food consumption, health, nutrition, and food supply. Topics include food and cultural traditions, community building, construction of identities, and social relationships.

Course Repeatability: Course may be repeated.

INT 370 - Forced Migration and Refugees

Examines forced migration and the institutional response for resolving large-scale displacement, including the rights and responsibilities of different actors in the contemporary international refugee regime. Considers global and local responses to the challenges of forced migration, investigating the obstacles to providing effective support for displaced persons.

Course Repeatability: Course may not be repeated.

INT 400 - The Cinema of Globalization

Study of globalization through the lens of cinema. Film as a popular means of socialization reflects and reinforces cultural characteristics, as well as offers a complex image of political life. This course, in line with the so-called "aesthetic turn" in International Studies helps students get a richer understanding of globalization through the medium of film.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

INT 405 - INT 405 - War in the Global System - Masters

Exploration of warfare in the post-Cold War era. Most wars today are Intrastate in nature, centered on identity, issues, and largely a consequence of decolonization processes. Explores these issues through interdisciplinary research drawn from the fields of peace studies and conflict management.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

INT 415 - Global Politics and Everyday Life in the Age of AI

Exploration of the transformative impact of AI and machine learning on global politics and daily life, analyzing social trauma, identity, and shifts in time, space, and authority. This interdisciplinary course engages lived experiences, unfolding events, and multilayered analyses to examine security, social fantasy, and ontological challenges.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

INT 480 - Global Issues

Intensive study of a selected international topic or theme. May be repeated for credit under a different subtitle.

Credit Hours: 3

Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

INT 491 - Directed Individual Study

Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.

Credit Hours: 1 To 3

Additional Restrictions/Requirements: Junior or senior standing, overall GPA of at least 2.00, and consent of instructor, program director and dean.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

INT 495 - Seminar in International Studies

Research of a selected international topic or theme. May be repeated under different subtitles.

Credit Hours: 3

Prerequisite Courses: INT 105 and INT 300
Additional Restrictions/Requirements: Prerequisite courses or consent of instructor.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

INT 499 - Honors Work in International Studies

Independent study for honors students.

Credit Hours: 2 To 3

Additional Restrictions/Requirements: Senior standing and eligibility for honors program.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6

JPN 311 - Perspectives on Contemporary Japanese Culture

Social, economic, and political issues in contemporary Japanese culture explored through a variety of sources with particular emphasis on comparing and contrasting

Japanese and international perspectives on trends and issues of global significance including national identity, the family unit, rights and responsibilities of individuals, and sustainability. Course taught in English.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

PAR 232 - Asian Religions

A survey of Hinduism, Buddhism, Taoism, and Confucianism; historical aspects, basic insights, contemporary relevance.

Credit Hours: 3

University Studies: Approaches and Perspectives/Historical and Philosophical Approaches, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

PAR 233 - African Religions

Religions of Africa, including traditional and non-traditional religious systems, and their impact on African societies and Africanism in the Americas.

Credit Hours: 3

University Studies: Approaches and Perspectives/Historical and Philosophical Approaches, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

PLS 334 - Revolutionary Movements

Introduction to the social, political, and economic conditions which give rise to radical response. Examines small rebel bands, or militias (commonly referred to as 'guerrilla' movements), and 'terrorist' organizations, as well as large-scale revolutionary movements.

Credit Hours: 3

Prerequisite Courses: PLS 230
Additional Restrictions/Requirements: Prerequisite

course or consent of instructor.
University Studies: Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

PSY 270 - Cross-Cultural Psychology

Psychological study of the impact of culture on behavior. Topics including cultural effects on perception, cognition, personality, emotions, development, and mental health will be examined. Emphasis on application of cultural frames of reference to living in a global society.

Credit Hours: 3

Prerequisite Courses: PSY 105
University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 240 - Individuals and Societies in a Global World

Introduction to globalization as an ongoing socio-economic process and as an analytical concept. Examines various aspects of globalization of economies and societies.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 355 - Social Movements

Analysis of why people protest and form collectives. Examination of the research and theories in social movements with special attention to origins, dynamics, and consequences using a sociological lens.

Credit Hours: 3

Prerequisite Courses: SOC 105.
University Studies: Approaches and Perspectives/Living in a Diverse Nation
Course Repeatability: Course may not be repeated.

TSL 401 - Teaching English as a Foreign Language

Introduces students to the field of Teaching English as a foreign/international language abroad. This course is designed for people who wish to teach English abroad or tutor language learners in the US. Participants build an introductory foundation in EFL methods, cross-cultural communication and the structure of the English language.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

WLC 205 - Perspectives in World Cinema

Survey of selected international cinemas with emphasis on major narratives, trends, and movements examined in the context of the language, history, politics, and culture of their respective countries. Possible topics to be explored through film include national identity, (post) colonialism, ethnicity, gender, sexuality, class, globalization and transnational exchanges.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

WLC 206 - Perspectives in European Cinema

Survey of selected European cinemas with emphasis on major narrative films and the cultural and historical context from which they derive. Explores the ways in which cinema constructs concepts of national identity and examines whether the cinema of a nation carries distinguishing traces of the nation's unique history, culture, and ethnic makeup.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

WLC 354 - The Middle East Through Music, Film, and Literature

Explore the cultures of the Middle East through music, cinema, and literature.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

Global Governance

Explores the ways different global actors (States, International Organizations, Social Movements or NGOs/INGOs or TANS, Insurgent movements) seek to manage complex international issues (global markets, trade or finance or money, power, war and conflict, conflict resolution, human rights, migration, and international law).

BLA 371 - International Business Law

An examination of the legal, political, social and cultural aspects of doing business abroad. The course will cover major legal systems of the world, the political and governmental structures of various nations, international organizations, the law of international business transactions, and the settlement of transnational legal disputes. The course also will highlight cultural challenges and opportunities that an American may encounter in international business.

Credit Hours: 3

Additional Restrictions/Requirements: Junior or senior standing or consent of Department Chair.
Course Repeatability: Course may not be repeated.

CRM 410 - World Criminal Justice Systems

Comparative study of criminal justice systems throughout the world. Attention to historical, structural, political, legal and philosophical similarities and differences.

Credit Hours: 3

Prerequisite Courses: CRM 105
Additional Restrictions/Requirements: Prerequisite course plus 6 additional hours in CRM.
Course Repeatability: Course may not be repeated.

CYBR 202 - Cyber Policy, Legal, Ethics, Compliance

Exploration of the intersection between cybersecurity and policy, law, ethics, privacy, compliance, and law enforcement. Examination of applicable laws and

policies related to cyber defense. Topics include privacy and the internet, the effectiveness of cybersecurity applications in preventing crime and abuse, and the application of ethical concepts in cybersecurity.

Credit Hours: 3

Prerequisite or Corequisite Courses: CYBR 201.
University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.

CYBR 442 - Cyber Politics

Introduction to key aspects of cyberspace's emergence as the fifth domain of strategic warfare, the center of human communication, and an integral part of social governance. Study of cyber politics as an area related to political philosophy, international economics, and realpolitik in diplomacy and warfare.

Credit Hours: 3

Prerequisite Courses: CYBR 202.
Course Repeatability: Course may not be repeated.

EBD 280 - Entrepreneurship for Non-Business Majors

Primary focus on the entrepreneurial mindset and the process for starting a business. Specific areas include the characteristics of successful entrepreneurs, profiles of successful new businesses, identifying and evaluating new business opportunities, and developing the business plan. Social and developmental entrepreneurship are also addressed.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.

EBD 482 - Global Entrepreneurship and Exporting

Primary focus on entrepreneurial activities within the international arena. Particular attention on the

mechanisms of international entry modes, import and export management, licensing mechanisms, international financing, the impact of globalization, identifying business opportunities, risk assessment, legal and accounting implications of international activities, and international intellectual protection processes. Upon completion of this course, students will be qualified to take the Certified Global Business Professional (CGBP) exam.

Credit Hours: 3

Prerequisite Courses: INB 300
Additional Restrictions/Requirements: Prerequisite course and admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.

ECN 326 - Comparative Economic Systems

Analysis of economic systems operating under capitalism, socialism, communism, and fascism; institutions and organization of production and government; decision-making; distribution of income; problems of developing nations.

Credit Hours: 3

Prerequisite Courses: ECN 125 or ECN 222.
Additional Restrictions/Requirements: Prerequisite courses and either admission to Cameron School of Business or declared minor in economics.
University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

FRH 412 - The Francophone World

Study of representative literary and non-literary texts, films and sound recordings from French-speaking cultures in North America, the Caribbean, Africa, Asia, and elsewhere. Oral and written reports.

Credit Hours: 3

Prerequisite Courses: FRH 301 or FRH 302 or FRH 303 or placement by exam
Additional Restrictions/Requirements: Permission of the instructor.
University Studies: Building Competencies/Writing

Intensive, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

GGY 180 - World Regional Geography

Regional survey of historical, physical, economic, and cultural geography of world regions. Fundamental locational geography as the foundation for a clear world view and an understanding of global interdependence.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

HON 212 - Honors Topical Interdisciplinary Seminar: Living in a Global Society

An in-depth investigation of a special topic related to the theme 'Living in a Global Society' using the approaches of several disciplines; may be team-taught. Topics and approaches vary. Examples are 'Brazilian Culture' and 'Germs of the World.' May be repeated under different subtitles.

Credit Hours: 3

Additional Restrictions/Requirements: Formal enrollment in the Honors Scholars College or consent of director.
University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

HST 270 - Global Issues in Historical Perspective

Selected themes and events in international or global history, with particular attention to cultural, intellectual, and/or economic exchanges between the 'West' and the wider world. Topics include: Society and the Supernatural, International Slave Trade. May be repeated under different subtitles.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in a Global Society, Approaches and Perspectives/Historical and Philosophical

Approaches
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

HST 377 - Topics in International History

Selected themes and events in international or transnational history. Examples of course topics include: The Second World War, Age of Napoleon. May be repeated under different subtitles.

Credit Hours: 3

Additional Restrictions/Requirements: Any HST course or consent of instructor.
Course Repeatability: Course may be repeated.

INB 300 - International Business

Survey course of the importance of global issues as firms attempt to compete across the world. Key topics include: anticipating and preparing for global competition, understanding international trade theory and differences in political economies, reviewing global and regional economic integration, considering international market entry processes, and examining

key cross-cultural issues affecting business operations.

Credit Hours: 3

Prerequisite Courses: ECN 222
Additional Restrictions/Requirements: Junior or senior standing, prerequisite course, or admission to the Cameron School of Business.
University Studies: Approaches and Perspectives/Living in a Global Society, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

INB 352 - International Management

Study of management practices in the international business arena. Emphasis on the necessity of understanding global business interdependencies. Particular attention to developing sensitivity to other cultures, values, customs, and beliefs and their effects on business decisions and practices.

Credit Hours: 3

Prerequisite or Corequisite Courses: MGT 350.

Prerequisite Courses: INB 300.
Additional Restrictions/Requirements: Prerequisite course and admission to Cameron School of Business.
Crosslisting: MGT 352
Course Repeatability: Course may not be repeated.

INB 377 - International Operations Management

A study of global operations and logistics in the manufacturing and service sectors. Topics include organization of global operations, global manufacturing, global sourcing and logistics, global technology transfer, global risk management, and cultural and national comparisons of operations management practices. Case studies are used.

Credit Hours: 3

Prerequisite Courses: INB 300 and SCM 370
Additional Restrictions/Requirements: Prerequisite courses and admission to Cameron School of Business.
Crosslisting: SCM 377
Course Repeatability: Course may not be repeated.

INB 426 - International Trade and Finance

A consideration of international trade theory and international financial institutions, including comparative advantage, exchange rates and balance of payments problems.

Credit Hours: 3

Prerequisite Courses: ECN 222 and INB 300
Additional Restrictions/Requirements: Prerequisite courses and admission to Cameron School of Business.
Crosslisting: ECN 426
Course Repeatability: Course may not be repeated.

INB 439 - Multinational Financial Management

An examination of the issues affecting the financial managers of multinational corporations. Topics include managing foreign exchange risk, international financial decisions, and factors affecting foreign direct investment.

Credit Hours: 3

Prerequisite Courses: FIN 335 and INB 300

Additional Restrictions/Requirements: Prerequisite courses and admission to Cameron School of Business.
Crosslisting: FIN 439
Course Repeatability: Course may not be repeated.

INB 442 - International Marketing

Focus is on the special framework in which international marketing is conducted. Influence of international institutions, culture, stage of economic development, geography and demography are covered. Emphasis on multinational marketing problems and opportunities in an ever-changing world.

Credit Hours: 3

Prerequisite Courses: INB 300 and MKT 340
Additional Restrictions/Requirements: Prerequisite courses and admission to Cameron School of Business.
Crosslisting: MKT 442
Course Repeatability: Course may not be repeated.

INT 200 - Global Capitalism and its Discontents

An introduction to the history of capitalism, its alternatives, and its benefits and drawbacks in the era of globalization.

Credit Hours: 3

University Studies: Approaches and Perspectives/Historical and Philosophical Approaches, Approaches and Perspectives/Living in a Global Society, Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

INT 215 - Interdisciplinary Approaches to the Politics of Globalization

Exploration of interdisciplinary and political dimensions of globalization, including the concept of "globalization", what it means in various contexts, and the way in which it developed through the Cold War and beyond. Introduction to an international political economy perspective, which is foundational to understanding globalization and the way we study the world in International Studies.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.

INT 314 - International NGOs, Globalization, and Development

Interdisciplinary overview of theories on the role international Nongovernmental Organizations play in the development of a country including development of political and economic institutions. Focus on the mounting internal and external challenges that threaten the promise of international Nongovernmental organizations, particularly in the Global South.

Credit Hours: 3

Prerequisite Courses: INT 105 or permission of instructor.
Course Repeatability: Course may not be repeated.

INT 315 - Topics in Globalization

Intensive study of a selected topic or theme in globalization. May be repeated under different subtitles.

Credit Hours: 3

Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

INT 316 - Global Protest Movements

An examination of global protests and activism for social, political or economic change.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in A Global Society, Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

INT 317 - Dictators, Despots, and Presidents for Life

An examination of global history and current events through the lens of despotic governments and authoritarian regimes.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

INT 318 - Transitional Justice

An overview of the major theories of transitional justice that considers the range of processes and mechanisms available. Examines the legacies of human rights abuses through the exploration of the field's most emblematic case studies from a number of countries, such as South Africa, Rwanda, Argentina, Chile, and Bosnia Herzegovina.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

INT 319 - Insurgency

Exploration of violent and nonviolent political movements by examining structural causes, mobilization, ideologies related to insurgencies, the global dimensions related to contagion effects, and transnational insurgent movements.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Major Restriction None**Minor Restriction** None

INT 322 - Environmental Extractivism and the Anthropocene

Interdisciplinary exploration of environmental and development challenges brought about by climate change and resource extraction. Students engage with key social science approaches and different cultural perspectives on nature, ecology, and anthropogenic environmental change through diverse case studies.

Credit Hours: 3

Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6 **Repeat Limit:** 1

INT 331 - The New Scramble for Africa

Interdisciplinary overview of environmental history and development in Africa from the colonial era to the present.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Major Restriction None**Minor Restriction** None

INT 332 - Global Politics of Food: An African Perspective

An examination of the global political economy of food through interdisciplinary examples from Africa with an exploration of the evolution of the human diet and traditional food production systems; the importance of culture in assigning meaning to food and how it is consumed; relationships between population, nutrition, and health; standards in the international trade of foods; the history and politics of food aid; food sovreignity and sustainable development; and the relationship between the environment and food security.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

INT 333 - China in Africa

Examination of the historical and contemporary linkages between Africa and China. This course aims to provide students an opportunity to critically discuss and analyze China-Africa, or Africa-China, socioeconomic relations and their implications for future political relations.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

INT 336 - Modern China through Film

Examination of the social, cultural, economic, and political issues confronting modern China as constructed in feature films produced inside the country and the West including before and after the Communists came to power.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

INT 337 - China Encounters the World

Examination of how China has encountered the world since the 17th century, with emphasis on the late 19th and 20th centuries and how China has emerged as a major power in the 21st century.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

INT 338 - Modern Japan through Film

An exploration of how modern Japan, from the Togugawa period (1600-1867) through the Meiji Restoration (1868), and into the contemporary Showa (1926-1989) and Heisei (1989-) eras, has been constructed and represented in feature films.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

INT 339 - Japan Encounters the World

Focus on the emergence of Japan as a regional economic and political power in Asia, and global actor. Emphasis is given to Japan's historical transformation

from isolation in the 17th century to a global power in the 20th and 21st centuries.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

INT 344 - Russia in the World

Exploration of Russia's internal self perception as a people and state coming to terms with a new existence in the Post-Cold War World. Russia has always perceived itself to be a major global actor, and struggles against Western interpretations of it as an aberrant state, and a regional actor only.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Major Restriction none**Minor Restriction** none

INT 351 - The Contemporary Persian Gulf

Examination of the political, social, and economic history and issues of the Persian/Arabian Gulf in the 19th, 20th, and 21st centuries.

Credit Hours: 3

University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

INT 352 - The Contemporary Middle East

Examination of the political, social, and economic history and issues of the modern Middle East.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

INT 360 - Global Development: African Perspectives

Examination of recent trends in global development based upon broad agendas designed and implemented under the following United Nations frameworks: the Millennium Development Goals (MDGs) and the Sustainable Development Goals (SDGs).

Credit Hours: 3

Course Repeatability: Course may not be repeated.

INT 361 - Ethnic Conflicts and Territorial Disputes

Examination of modern territorial disputes and ethnic conflicts in Asia, Europe, Africa and the Middle East in the 20th and 21st centuries.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

INT 362 - International Human Rights

Examination of basic human rights principles, instruments and institutions, and an overview of current issues and debates in practical and political dynamics of human rights. Takes a multi-disciplinary approach, drawing together contributions from political and social scientists, philosophers, lawyers, and policy experts and makes extensive use of case studies to illustrate key points.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

INT 363 - Global Political Economy

Explores the dynamic ways in which markets, states, and societies interact with one another, within a context of increasing global economic, political, and cultural interdependence. The course combines a focus on Global Political Economy's main theoretical approaches with the analysis of stringent issues triggered by the expansion and intensification of economic, political, and cultural life at a global level.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

INT 364 - Global Populism

An exploration of old and new populist movements, the causes of their resurgence in the United States and around the world, and their possible long-term consequences.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

INT 365 - Globalization and Social Change

An examination of the relationship between globalization and the contemporary cultural and social changes, focusing on various global and local cultural arenas transformed by late capitalism's societal shift from a structural reliance on language and prohibition of enjoyment, to a mode of existence where images and consumerist enjoyment have become the driving force.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

INT 367 - America through Foreign Eyes

An examination of how non-Americans view the United States and its citizens. The course will reveal both the positive and negative images of America and Americans, as well as how these images are created and perpetuated and their consequences.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

INT 369 - Edible Culture: Globalization, Food, and Identity

Study of Globalization and its relation to food consumption, health, nutrition, and food supply. Topics include food and cultural traditions, community building, construction of identities, and social relationships.

Course Repeatability: Course may be repeated.

INT 370 - Forced Migration and Refugees

Examines forced migration and the institutional response for resolving large-scale displacement, including the rights and responsibilities of different actors in the contemporary international refugee regime. Considers global and local responses to the challenges of forced migration, investigating the obstacles to providing effective support for displaced persons.

Course Repeatability: Course may not be repeated.

INT 400 - The Cinema of Globalization

Study of globalization through the lens of cinema. Film as a popular means of socialization reflects and reinforces cultural characteristics, as well as offers a complex image of political life. This course, in line with the so-called "aesthetic turn" in International Studies helps students get a richer understanding of globalization through the medium of film.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

INT 405 - INT 405 - War in the Global System - Masters

Exploration of warfare in the post-Cold War era. Most wars today are Intrastate in nature, centered on identity, issues, and largely a consequence of decolonization processes. Explores these issues through interdisciplinary research drawn from the fields of peace studies and conflict management.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

INT 415 - Global Politics and Everyday Life in the Age of AI

Exploration of the transformative impact of AI and machine learning on global politics and daily life, analyzing social trauma, identity, and shifts in time, space, and authority. This interdisciplinary course engages lived experiences, unfolding events, and multilayered analyses to examine security, social fantasy, and ontological challenges.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

INT 480 - Global Issues

Intensive study of a selected international topic or theme. May be repeated for credit under a different subtitle.

Credit Hours: 3

Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

INT 491 - Directed Individual Study

Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.

Credit Hours: 1 To 3

Additional Restrictions/Requirements: Junior or senior standing, overall GPA of at least 2.00, and consent of instructor, program director and dean.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

INT 495 - Seminar in International Studies

Research of a selected international topic or theme. May be repeated under different subtitles.

Credit Hours: 3

Prerequisite Courses: INT 105 and INT 300
Additional Restrictions/Requirements: Prerequisite courses or consent of instructor.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

INT 499 - Honors Work in International Studies

Independent study for honors students.

Credit Hours: 2 To 3

Additional Restrictions/Requirements: Senior standing and eligibility for honors program.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6

LED 385 - Global Applications of Leadership

This course is designed to accompany faculty-led study abroad in the Leadership Studies Minor. The course provides opportunities to learn about leadership in another country, observe and interact with

organizational leaders in multiple settings, and apply leadership theory and knowledge in an international context through completion of a leadership project.

Credit Hours: 1 To 3

Course Repeatability: Course may be repeated.

PLS 220 - Introduction to International Relations

Basic analysis of politics among nations. Role of law, force, and diplomacy in world politics; problems of war, peace, and disarmament.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

PLS 360 - Introduction to Nonprofit Management

Covers management fundamentals in the nonprofit sector. Selected topics include governance, human

relations, financial management, public relations and fundraising.

Credit Hours: 3

University Studies: Explorations Beyond the Classroom/Certified Internship Program
Course Repeatability: Course may not be repeated.

PLS 361 - Nonprofit Resource Development

Examines the range of ways for nonprofit organizations to raise funds from individuals, government, foundations, and corporations. Major theoretical foundations of fund development, general fundraising principles, donor market segregation, fundraising techniques, and key aspects of managing the fundraising process.

Credit Hours: 3

University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.

PLS 420 - Politics of Nuclear Weapons

Introduction to nuclear weapons policy and strategy with an emphasis on nonproliferation, nuclear security, and nuclear deterrence. Consideration of nuclear weapons technology, why countries seek nuclear weapons, risks to international security, and policy tools deployed to prevent proliferation or use.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

PLS 421 - Causes and Dynamics of Ethnic and Nationalist Conflict

This course introduces students to some of the most intractable and violent conflicts around the world in order to understand various theoretical approaches that explain the onset and dynamics of ethno-nationalist conflicts.

Credit Hours: 3

University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

PLS 424 - International Security

Investigates war and conflict at the international level and the different ways in which governments individually or collectively work to address the problem.

Credit Hours: 3

Prerequisite Courses: PLS 220
University Studies: Building Competencies/Writing Intensive, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

PLS 426 - International Law

Nature, development and basic concepts of international law. Examination of the scope, sources and sanctions of international law; its relation to municipal law; the rights and duties of states and individuals; methods of settling international disputes. Characteristic cases used as illustrations.

Credit Hours: 3

Prerequisite Courses: PLS 220
Additional Restrictions/Requirements: Prerequisite

course or consent of instructor.
Course Repeatability: Course may not be repeated.

PLS 427 - International Organizations

Survey of the evolution, objectives and methods of various types of regional and universal organizations and their role in contemporary international relations. Special emphasis will be placed on the principal functions and agencies of the United Nations and the European economic community.

Credit Hours: 3

Prerequisite Courses: PLS 220
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

PLS 428 - Global Terrorism

Investigates the phenomenon of terrorism at the international and global level with particular empasis on why terrorism occurs, and on domestic level and international cooperative counterterrorism.

Credit Hours: 3

Prerequisite Courses: PLS 220
Course Repeatability: Course may not be repeated.

PLS 429 - International Political Economy

Political-economic structures at the international level (trade, finance, and currency) and the impact of the government, business, and human networks that emerge as a result of political-economic interactions between countries.

Credit Hours: 3

Prerequisite Courses: PLS 220
Course Repeatability: Course may not be repeated.

PLS 463 - International Development

Examines the field of international development including economic development and governance assistance activities with attention to classic theories as well as current debates and innovative approaches.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

PLS 464 - Democracy and Authoritarianism

Integrative course focusing on scholarly literature on democracy, authoritarianism, and democratization, with an emphasis on real world examples of regime types and transitions.

Credit Hours: 3

Prerequisite Courses: PLS 230
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

REC 454 - International Meeting Planning

The organization and production of international corporate meetings, seminars, events, and conferences using innovative and creative programs. It focuses on international planning considerations including organizing and/or hosting international events,

managing finances internationally, cultural differences, international contracting, marketing, traveling overseas, and safety and security.

Credit Hours: 3

Prerequisite Courses: REC 381
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SCM 370 - Principles of Operations Management

This course provides a study of the drivers of quality, customer satisfaction, efficiency and productivity in service and manufacturing enterprises. Topics include product and service design, forecasting, quality management, facility location and layout, materials management, scheduling, project management, and supply chain management. While topics are covered for both manufacturing and service operations, attention is directed to the study and analysis of the operations management function in service enterprises.

Credit Hours: 3

Prerequisite or Corequisite Courses: BAN 280 or STT 215
University Studies: Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SCM 377 - International Operations Management

A study of global operations and logistics in the manufacturing and service sectors. Topics include organization of global operations, global manufacturing, global sourcing and logistics, global technology transfer, global risk management, and cultural and national comparisons of operations management practices. Case studies are used.

Credit Hours: 3

Prerequisite Courses: INB 300 and SCM 370
Additional Restrictions/Requirements: Prerequisite

courses and admission to Cameron School of Business.
University Studies: Approaches and Perspectives/Living in a Global Society, Building Competencies/Writing Intensive
Crosslisting: INB 377
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 240 - Individuals and Societies in a Global World

Introduction to globalization as an ongoing socio-economic process and as an analytical concept. Examines various aspects of globalization of economies and societies.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 415 - Globalization and Development

An examination of development and globalization theories and globalization processes in the 21st century through comparative development analysis.

Credit Hours: 3

Prerequisite Courses: SOC 105
Additional Restrictions/Requirements: Prerequisite course and 3 additional hours in sociology at the 300 level.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

Environment and Development

Focus on global development trends (e.g., industrialization, urbanization, infrastructure deployment, and resource extraction) directly impacting natural environments and human/non-human livelihoods. Considers effective mitigations and solutions (e.g., agricultural policy, eco-tourism, and sustainability practices) that require cooperation and coordination across international borders.

ANT 309 - Environmental Anthropology

A study of cultural adaptations as responses of human populations to varied environments; this course will focus upon cultural vs. biological adaptation from the archaeological past to the ethnographic present.

Credit Hours: 3

Prerequisite Courses: ANT 105 or ANT 206 or ANT 207
Additional Restrictions/Requirements: Prerequisite courses or consent of instructor.
University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

BIO 150 - Humans and Ecology

Introduction to the principles of ecology including concepts of succession, biotic communities, biodiversity, limits on population growth and conservation of natural resources.

Credit Hours: 3

University Studies: Approaches and

Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

BIO 366 - Ecology

An introduction to basic ecological principles as they pertain to individual organisms, populations, communities and systems. The lab for this course is BIOL 366.

Credit Hours: 3

Prerequisite Courses: BIO 201 and BIO 202
Course Repeatability: Course may not be repeated.

BIOL 366 - Ecology Laboratory

Introduction to ecological sampling techniques and data analysis. Experience in field sampling, laboratory and computer modeling of sampling approaches, and scientific writing is also included. This course is the lab for BIO 366. This course is the lab for BIO 366.

Credit Hours: 1

Prerequisite or Corequisite Courses: BIO 366
University Studies: Building Competencies/Writing Intensive, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

BIO 434 - Coastal Marine Ecology

An in-depth study of the major processes controlling populations and structuring coastal marine communities. Emphasis is on the review and discussion of important historical and recent scientific papers.

Credit Hours: 3

Prerequisite Courses: BIO 366 or BIO 362
Course Repeatability: Course may not be repeated.

BIO 466 - Conservation Biology

A scientific approach to the protection, maintenance, and restoration of biological diversity, including its ecological and evolutionary processes and total environment.

Credit Hours: 3

Prerequisite Courses: BIO 366 or BIO 362
Additional Restrictions/Requirements: Junior or senior standing.
Course Repeatability: Course may not be repeated.

BIO 482 - Wildlife Ecology

Principles of wildlife ecology and management, including population dynamics, diseases, techniques, behavior, habitat manipulations, policy and administration, and contemporary issues such as antihunting. Assigned field problems.

Credit Hours: 3

Prerequisite Courses: BIO 366
Additional Restrictions/Requirements: Junior or senior standing.
Course Repeatability: Course may not be repeated.

BIO 487 - Introduction to Coastal Management

Interdisciplinary study of human impact on coastal environments and organisms. Physical and biotic settings of worldwide coastal regions, principles of

coastal management, current topics in coastal management, and analysis of potential solutions to coastal problems.

Credit Hours: 0 Or 4

Additional Restrictions/Requirements: Junior or senior standing or consent of instructors.
Crosslisting: OCN 458, GLY 558
Course Repeatability: Course may not be repeated.

CHM 377 - Environmental Chemistry

Introduction to the chemistry of air, soil, and natural waters. Processes of environmental degradation, cleanup, and pollution prevention. Selected current topics. The lab for this course is CHML 377.

Credit Hours: 3

Prerequisite Courses: CHM 102 and CHML 102.
Course Repeatability: Course may not be repeated.

CHML 377 - Environmental Chemistry Laboratory

Laboratory analysis of environmental samples, including applications of standard EPA methods. This course is the lab for CHM 377.

Credit Hours: 1

Corequisite Courses: CHM 377
Course Repeatability: Course may not be repeated.

EVS 195 - Introduction to Environmental Sciences

Interdisciplinary introduction to the scope and application of environmental sciences. Emphasis on integrated analysis of environmental principles and discussions centering on current environmental problems. The lab for this course is EVSL 195.

Credit Hours: 3

Additional Restrictions/Requirements: EVS 195 and EVSL 195 may be taken in different semesters.
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World, Approaches and Perspectives/Living in a Global

Society
Course Repeatability: Course may not be repeated.

EVS 205 - Global Environmental Issues

Interdisciplinary study of contemporary environmental issues at a global scale, such as climate change, human population, biodiversity loss, food and water scarcity, energy, stratospheric ozone depletion, acid rain, and environmental justice. Causes, effects, policy implications, international negotiations, and development of treaties will be examined.

Credit Hours: 3

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

EVS 325 - Environmental Economics

Application of basic economic principles to help understand environmental problems and evaluate alternative solutions. Economic principles used to

analyze fundamental environmental issues such as property rights, externalities, conservation, public good, environmental protection, natural resource damage assessment, and pollution control. Specific focus on methods for non-market valuation.

Credit Hours: 3

Prerequisite Courses: ECN 125 or ECN 221
Crosslisting: ECN 325
Course Repeatability: Course may not be repeated.

EVS 330 - Natural Resource Economics

Economic principles developed and applied to evaluate public and private decisions involving the use and allocation of natural resources. Optimal control theory developed and applied to the management of natural resources. Attention to specific resource management areas such as forests and fisheries. Feasibility of alternatives for public policy.

Credit Hours: 3

Prerequisite Courses: ECN 125 or ECN 221

Crosslisting: ECN 330
Course Repeatability: Course may not be repeated.

EVS 431 - International Field Experience

An interdisciplinary introduction to environmental field methods and investigation in foreign countries. Focused study on environmental issues and problems specific to host country on local, regional, and global scales. Course integrates field and classroom instruction. Additional Course Fees: Student Blanket Professional Liability Insurance.

Credit Hours: 1

Prerequisite Courses: EVS 195
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6 **Repeat Limit:** 5

EVS 466 - Sustainable Tourism

Introduction to concepts and principles of sustainable tourism development, emphasizing implications for management and planning. Cases from the U.S. and around the world are used to examine and discuss issues and practices of sustainable tourism development within different geocultural contexts.

Credit Hours: 3

Additional Restrictions/Requirements: Junior or senior standing, or permission of instructor.
Course Repeatability: Course may not be repeated.

GGY 130 - Geosystems

Spatial distribution of environmental elements and processes, including weather and climate, groundwater, soils, rocks, plate tectonics, landforms, and vegetation. Three lecture and two laboratory hours each week.

Credit Hours: 4

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural

World, Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

GGY 230 - Introduction to Weather and Climate

Examination of general climatic characteristics through space and time, especially as influenced by controls upon temperature, wind and moisture distributions, and by planetary, regional and local atmospheric disturbances.

Credit Hours: 3

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

GGY 322 - Introduction to Remote Sensing

Theory and application of remote sensing techniques and software applications for environmental sciences, geography, earth sciences, hydrology, archaeology, forestry, and public health. Includes satellite data collection, digital image processing, multispectral image

analysis, introduction to thermal infrared and microwave data through laboratory exercises. Students work in small groups to apply remote sensing concepts to solve complex problems. Two lecture and two laboratory hours each week.

Credit Hours: 3

Prerequisite Courses: GGY 130 or GGY 215 or GLY 101 or GLY 120 or OCN 150 or EVS 195 or consent of instructor.
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

GGY 335 - Geomorphology

A systematic treatment of the surface processes that shape fluvial, glacial, aeolian, and coastal landforms. Themes include process mechanics, description and classification of landforms, and evolution of landform systems. Students work individually or in small groups to analyze geomorphological data in field and laboratory settings. Three lecture and three laboratory hours each week.

Credit Hours: 4

Prerequisite Courses: GGY 130 or GLY 101 or GLY 120 or OCN 150.
Crosslisting: GLY 335
Course Repeatability: Course may not be repeated.

GGY 340 - Global Change: Population, Resources, and the Environment

Introduction to the four major driving forces of global change: demographic trends, natural resource use, climate change, and globalization. Explores the role of economic and cultural development and analyzes regional patterns that result in the unique manifestations of global change.

Credit Hours: 3

Prerequisite Courses: GGY 130 or GGY 101 or GGY 180, or consent of instructor.
Course Repeatability: Course may not be repeated.

GGY 420 - Global Climate Change

Analysis of natural and anthropogenic global climate change with an emphasis on future global climate change. Topics include Earth's energy balance, the global carbon cycle, climate modeling, atmospheric composition and dynamics. Review of geographical variation in climate change.

Credit Hours: 3

Prerequisite Courses: GGY 230
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
University Studies: Building Competencies/Writing Intensive
Crosslisting: GLY 420, PHY 420
Course Repeatability: Course may not be repeated.

GGY 435 - Environmental Geography

A systems approach to understanding past, present and future human impacts on the natural environment, including changes and impacts on the hydrosphere, atmosphere, biosphere, geosphere and cryosphere. A team-based learning experience emphasizing socio-environmental synthesis and concept application

through a series of case studies discussion.

Credit Hours: 3

Prerequisite Courses: GGY 321 or consent of instructor
University Studies: Building Competencies/Writing Intensive
Crosslisting: GGY 535
Course Repeatability: Course may not be repeated.

GGY 436 - Ice Age Earth

A review of the Quaternary Period, roughly the last two million years of earth history. Topics included the discovery of the ice age, climate change theory, glacial dynamics, geological and biological records of environmental change, and human evolution and migration during the Quaternary.

Credit Hours: 3

Prerequisite Courses: GGY 130 or GGY 230 or GLY 101 or OCN 150.
Additional Restrictions/Requirements: Prerequisite

course or consent of instructor.
University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

GLY 120 - Environmental Geology

Introduction to the relationships between man and his geologic environment. Concerned with the problems that people have in using the earth and the reaction of the earth to that use. Emphasis is placed on earth processes, earth resources, and properties of rocks and surficial deposits insofar as they are important to or affect human activities. The lab for this course is GLYL 120.

Credit Hours: 3

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

GLYL 120 - Environmental Geology Lab

Laboratory analysis of earth materials and resources. Applications of geologic principles to solving current environmental problems. This course is the lab for GLY 120.

Credit Hours: 1

Prerequisite Courses: Prerequisite or corequisite: GLY 120.
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

GLY 125 - Natural Disasters

Examination of the causes, effects, and options available to mitigate actual disasters, such as earthquakes, volcanic eruptions, landslides, subsidence, flooding, severe weather, and meteorite impacts. Case histories are used to demonstrate scientific principles and socioeconomic issues.

Credit Hours: 3

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

HON 212 - Honors Topical Interdisciplinary Seminar: Living in a Global Society

An in-depth investigation of a special topic related to the theme 'Living in a Global Society' using the approaches of several disciplines; may be team-taught. Topics and approaches vary. Examples are 'Brazilian Culture' and 'Germs of the World.' May be repeated under different subtitles.

Credit Hours: 3

Additional Restrictions/Requirements: Formal enrollment in the Honors Scholars College or consent of director.
University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

HST 456 - Seminar: U.S. Environmental History

Selected topics in U.S. environmental history. Examples of topics: nature and culture, the cult of the wilderness, conservation and preservation, resources and regions, gender and nature, the environmental movement. May be repeated under a different subtitle.

Credit Hours: 3

Prerequisite Courses: (HST 105 or HST 106) and HST 290
Additional Restrictions/Requirements: Prerequisite courses or consent of instructor.
University Studies: Building Competencies/Writing Intensive, Common Requirements/Critical Reasoning
Crosslisting: HST 533
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6

INT 200 - Global Capitalism and its Discontents

An introduction to the history of capitalism, its alternatives, and its benefits and drawbacks in the era of globalization.

Credit Hours: 3

University Studies: Approaches and Perspectives/Historical and Philosophical Approaches, Approaches and Perspectives/Living in a Global Society, Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

INT 215 - Interdisciplinary Approaches to the Politics of Globalization

Exploration of interdisciplinary and political dimensions of globalization, including the concept of "globalization", what it means in various contexts, and the way in which it developed through the Cold War and beyond. Introduction to an international political economy perspective, which is foundational to understanding globalization and the way we study the world in International Studies.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and

Behaviors
Course Repeatability: Course may not be repeated.

INT 230 - Sustainability: From Global Goals to Local Action

Historical overview of how sustainability has been understood, and an introduction to the 17 Sustainable Development Goals (SDGs): what they are, how progress can be measured, and how the SDGs are relevant for the management of the global systems supporting humanity.

Credit Hours: 3

University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6 **Repeat Limit:** 1

INT 314 - International NGOs, Globalization, and Development

Interdisciplinary overview of theories on the role international Nongovernmental Organizations play in the development of a country including development of

political and economic institutions. Focus on the mounting internal and external challenges that threaten the promise of international Nongovernmental organizations, particularly in the Global South.

Credit Hours: 3

Prerequisite Courses: INT 105 or permission of instructor.
Course Repeatability: Course may not be repeated.

INT 316 - Global Protest Movements

An examination of global protests and activism for social, political or economic change.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in A Global Society, Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

INT 322 - Environmental Extractivism and the Anthropocene

Interdisciplinary exploration of environmental and development challenges brought about by climate change and resource extraction. Students engage with key social science approaches and different cultural perspectives on nature, ecology, and anthropogenic environmental change through diverse case studies.

Credit Hours: 3

Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6 **Repeat Limit:** 1

INT 331 - The New Scramble for Africa

Interdisciplinary overview of environmental history and development in Africa from the colonial era to the present.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Major Restriction None**Minor Restriction** None

INT 360 - Global Development: African Perspectives

Examination of recent trends in global development based upon broad agendas designed and implemented under the following United Nations frameworks: the Millennium Development Goals (MDGs) and the Sustainable Development Goals (SDGs).

Credit Hours: 3

Course Repeatability: Course may not be repeated.

INT 362 - International Human Rights

Examination of basic human rights principles, instruments and institutions, and an overview of current issues and debates in practical and political dynamics of human rights. Takes a multi-disciplinary approach, drawing together contributions from political and social scientists, philosophers, lawyers, and policy experts and makes extensive use of case studies to illustrate key points.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

INT 363 - Global Political Economy

Explores the dynamic ways in which markets, states, and societies interact with one another, within a context of increasing global economic, political, and cultural interdependence. The course combines a focus on Global Political Economy's main theoretical approaches with the analysis of stringent issues triggered by the expansion and intensification of economic, political, and cultural life at a global level.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

INT 365 - Globalization and Social Change

An examination of the relationship between globalization and the contemporary cultural and social changes, focusing on various global and local cultural arenas transformed by late capitalism's societal shift from a structural reliance on language and prohibition of enjoyment, to a mode of existence where images and consumerist enjoyment have become the driving force.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

INT 366 - Comparative Political Regimes through Film

A comparison of post-cold war films produced in Russia, the USA, and China as representatives of three civilizations: Eastern-Orthodox, Confucian, and Western; as well as of three political regimes; democracy, transitional democracy, and authoritarian.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

INT 400 - The Cinema of Globalization

Study of globalization through the lens of cinema. Film as a popular means of socialization reflects and reinforces cultural characteristics, as well as offers a complex image of political life. This course, in line with the so-called "aesthetic turn" in International Studies helps students get a richer understanding of globalization through the medium of film.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

INT 405 - INT 405 - War in the Global System - Masters

Exploration of warfare in the post-Cold War era. Most wars today are Intrastate in nature, centered on identity, issues, and largely a consequence of decolonization processes. Explores these issues through interdisciplinary research drawn from the fields of peace studies and conflict management.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

INT 480 - Global Issues

Intensive study of a selected international topic or theme. May be repeated for credit under a different subtitle.

Credit Hours: 3

Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

INT 491 - Directed Individual Study

Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.

Credit Hours: 1 To 3

Additional Restrictions/Requirements: Junior or senior standing, overall GPA of at least 2.00, and consent of instructor, program director and dean.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

INT 495 - Seminar in International Studies

Research of a selected international topic or theme. May be repeated under different subtitles.

Credit Hours: 3

Prerequisite Courses: INT 105 and INT 300
Additional Restrictions/Requirements: Prerequisite courses or consent of instructor.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

INT 499 - Honors Work in International Studies

Independent study for honors students.

Credit Hours: 2 To 3

Additional Restrictions/Requirements: Senior standing and eligibility for honors program.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6

OCN 150 - Introduction to Oceanography

An introduction to the geology, physics, chemistry, and biology of the ocean; instruments and techniques of oceanography; resources of the ocean. The lab for this course is OCNL 150.

Credit Hours: 3

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

OCN 350 - Advanced Oceanography

An in-depth examination of the structure and formation of ocean basins, the role of oceans in the hydrological cycle, the physical properties of seawater, atmospheric and ocean circulation, waves, and tides. Emphasis on data analysis and quantitative problem solving.

Credit Hours: 3

Prerequisite Courses: OCN 150
University Studies: Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

OCN 475 - Marine Biogeochemistry

A geochemical perspective on the chemistry of the world's oceans with an emphasis on carbon cycling through the marine geosphere and biosphere. Topics include introductions to chemical oceanography, stable isotope geochemistry, paleoceanography, and investigations into the role of the oceans in the global carbon cycle through time.

Credit Hours: 3

Prerequisite Courses: CHM 101 and CHML 101; and CHM 102 and CHML 102.
Additional Restrictions/Requirements: Prerequisite courses or consent of instructor.
Crosslisting: GLY 575.
Course Repeatability: Course may not be repeated.

PBH 401 - Foundations of Environmental Health

Overview of assessment, control, prevention, and safety of human health from environmental and occupational risk factors. Topics include pollution wastes, toxic metals, pesticides, radiation, vector borne diseases, and occupational injuries and stressors. Emphasizing deleterious effects of industrialization on

developing countries, effects of globalization, and the rise of the environmental justice movement.

Credit Hours: 3

Additional Restrictions/Requirements: Minimum passing grade of "C-" or above required in each PBH course to progress in the program. Open to PBH majors only; or consent of instructor.
Course Repeatability: Course may not be repeated.

PHY 475 - Physical Oceanography

An introduction to the descriptive and dynamical features of ocean circulation. Topics include: the physical properties of seawater; oceanic heat budget; dynamics of ocean currents; descriptive oceanography; waves and tides.

Credit Hours: 3

Prerequisite Courses: (MAT 152 or MAT 162) and (PHY 102 or PHY 202)
Crosslisting: PHY 575
Course Repeatability: Course may not be repeated.

PLS 331 - Politics in Developing Nations

Political, economic, and social problems confronting developing nations. Attention will be given to such issues as cultural pluralism, one-party states, military dictatorships, and U.S. relations with the developing world.

Credit Hours: 3

Prerequisite Courses: PLS 230
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

PLS 370 - Global Environmental Governance

Explores international environmental negotiations and agreements of global environmental problems regarding overfishing, climate change, deforestation, biodiversity loss, trans-boundary pollutants, and water scarcity. Examines the debate surrounding sustainable development, ecological justice, and conflicts around resource scarcity.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

PLS 463 - International Development

Examines the field of international development including economic development and governance assistance activities with attention to classic theories as well as current debates and innovative approaches.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

PSY 370 - Environmental Psychology

Interactions between the physical environment and the behavior of the individual. Emphasis on perception of the environment, the behavioral effects of noxious factors in the environment, the psychology of environmental design, and the formation and change of attitudes about the environment.

Credit Hours: 3

Prerequisite Courses: PSY 105 and (PSY 246 or PSY 264 or EVS 195)
Crosslisting: EVS 370
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

REC 451 - Travel and Tourism

A description of the key components that make a global tourism designation a success: traveler's motivation, theories of behavior, planning, development, and forecasting supply and demand. Students also learn about the delicate and sensitive relationship tourism has with its surrounding social, natural, and coastal environment.

Credit Hours: 3

Prerequisite Courses: REC 375
Additional Restrictions/Requirements: REC majors and minors only or permission of instructor.
University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 305 - Demography

A study of the changes in size, composition, distribution of population and the dynamics underlying them.

Credit Hours: 3

Prerequisite Courses: SOC 105
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 385 - Environmental Sociology

Examination of human-environment interactions from a sociological perspective. Focus on culture, patterns of inequalities, consumption, and beliefs about the environment and their impacts on the natural world.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in a Diverse Nation, Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.

SOC 415 - Globalization and Development

An examination of development and globalization theories and globalization processes in the 21st century through comparative development analysis.

Credit Hours: 3

Prerequisite Courses: SOC 105
Additional Restrictions/Requirements: Prerequisite course and 3 additional hours in sociology at the 300 level.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

Total Credit Hours: 39

Additional Information

Must complete all requirements for the major with an overall "C" (2.0) or better. In order to study abroad, students must have an overall GPA of 2.5 or better.

New Core

Marine Biology, B.S.

https://uncw.edu/bio/ J. Jarvis (coordinator)

The Marine Biology program is a unique baccalaureate degree in the university system. It includes a strong foundation of biology with an emphasis in marine biology at all levels. Full use is made of the natural laboratory provided by the adjacent Atlantic Ocean through extensive field work in many marine biology and biology courses. The curriculum is flexible enough to meet the individual needs of the student enabling preparation for graduate studies or for teaching, research and consulting careers available to one with the baccalaureate degree.

Oral Communication Requirement:

To satisfy the oral communication requirement for the B.A. or B.S. degree in Biology or the B.S. degree in Marine Biology a student must successfully complete BIO 495.

Applied Learning Requirement:

To satisfy the applied learning requirement for the B.A. or B.S. degree in Biology or the B.S. degree in Marine

Biology a student must successfully complete one of the following:

- Honors in any science department (BIO 499, CHM 499, EVS 499, GLY 499, MAT 499, PSY 499, PHY 499);
- Directed individual study involving hands-on experience in any science department (BIO 291, BAN 491, BIO 495, CHM 491, EVS 491, GLY 491, MAT 491, PSY 491, PHY 491);
- BIO 498, BIO 493, BIO 490;
- Formal student teaching experience taken for UNCW credit (e.g. EDNL 406, EDN 409, EDN 411).

Requirements for a Major in Marine Biology for the B.S. Degree:

27 hours total

BIO 201 - Principles of Biology: Cells

Introduction to principles governing living systems, especially the cellular and molecular basis of life and the transmission and utilization of genetic information. The lab for this course is BIOL 201.

Credit Hours: 3

Prerequisite or Corequisite Courses: BIOL 201
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

BIO 202 - Principles of Biology: Biodiversity

Evolution, classification, and diversity of life, stressing morphology, physiology, principles of adaptation, and relationships between biotic and abiotic components of ecosystems. The lab for this course is BIOL 202.

Credit Hours: 3

Prerequisite or Corequisite Courses: BIOL 202
University Studies: Building Competencies/Information Literacy, Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

BIO 205 - Biology of the Sea

Introduction to the organisms that live in marine environments and the role of humans in the use of marine resources. Explores the biological, physical, chemical, and geological characteristics of various marine habitats.

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

BIO 206 - Marine Megafauna

Exploration of the biology of large marine animals, including giant squid, sharks, sea turtles, seabirds, and marine mammals. Considers the role that marine megafauna play in ocean ecosystems and the impacts of human activities on these organisms. Includes exploration of the social, economic, and policy considerations that are critical in the protection of threatened species.

Course Repeatability: Course may not be repeated.

or

BIO 207 - Biology of Coastal Habitats

Introduction to coastal habitats and the biology of the organisms residing in areas such as marshes, estuaries, hardbottom habitats, temperate seagrasses, kelp beds, and tidal flats. Considers ecological and economic importance of coastal habitats and investigates major stressors and mechanisms of resilience.

Course Repeatability: Course may not be repeated.

or

BIO 208 - Marine Life in Danger

Introduction to the biology of the Earth's ocean ecosystems and exploration of how human activities are threatening their health and function. Investigation of the causes, effects, and potential solutions to the current issues facing the world's largest habitat.

Course Repeatability: Course may not be repeated.

BIO 335 - Genetics

Principles of Mendelian inheritance, gene action and molecular genetics, and population genetics. The lab for this course is BIOL 335.

Credit Hours: 3

Prerequisite Courses: BIO 201 and BIO 202
Course Repeatability: Course may not be repeated.

BIOL 335 - Genetics Laboratory

This course examines major genetic concepts and relationships between those concepts. Students will design, execute, and interpret experiments relating DNA to phenotype and investigate genetic interactions in metabolic pathways. Students will analyze and present experimental results, incorporating relevant literature and information from large-scale public genome repositories. This course is the lab for BIO 335.

Credit Hours: 1

Prerequisite Courses: Prerequisite or corequisite: BIO 335.
University Studies: Building Competencies/Writing Intensive, Building Competencies/Information Literacy, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

BIO 325 - Molecular Biology of the Cell

Chemical and physical properties of cells, with emphasis on molecular biology and experimental biological systems used to elucidate cellular function. The lab for this course is BIOL 325.

Credit Hours: 3

Prerequisite Courses: BIO 201 and BIO 202 and CHM 211
Course Repeatability: Course may not be repeated.

BIOL 325 - Molecular Biology of Cell Laboratory

Experiments demonstrating basic phenomena underlying cellular function. This course is the lab for BIO 325.

Credit Hours: 1

Prerequisite Courses: Prerequisite or corequisite: BIO 325.
University Studies: Building Competencies/Writing Intensive, Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

or

BIO 340 - Plant Physiology

Study of plant function at the molecular, cellular, and organismic levels, with emphasis placed on unique aspects of vascular plants. Topics include water relations, solute transport, photosynthesis, nitrogen metabolism, plant hormones, photo control of development, and stress physiology.

Credit Hours: 0 Or 4

Prerequisite Courses: BIO 201 and BIO 202, and CHM 102 and CHML 102.
University Studies: Building Competencies/Writing Intensive, Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

or

BIO 345 - Animal Physiology

Comparative study of physiological processes in different organisms approached through study of tissues, organs, and systems. The lab for this course is BIOL 345.

Credit Hours: 3

Prerequisite Courses: BIO 201 and BIO 202, and CHM 102 and CHML 102.
Course Repeatability: Course may not be repeated.

BIOL 345 - Animal Physiology Laboratory

Introduction to the equipment and techniques for computer-based acquisition of physiological data. Experience in data analysis and presentation, and in computer simulations of physiological experiments is also included. This course is the lab for BIO 345.

Credit Hours: 1

Prerequisite Courses: Prerequisite or corequisite: BIO 345.
University Studies: Building Competencies/Writing Intensive, Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

BIO 362 - Marine Ecology

Introduction to basic ecological principles in the marine environment as they pertain to individual organisms, populations, communities, and ecosystems. The lab for this course is BIOL 362.

Credit Hours: 3

Prerequisite Courses: BIO 201 and BIO 202.
University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

BIOL 362 - Marine Ecology Laboratory

Introduction to basic ecological principles in the marine environment as they pertain to individual organisms, populations, communities, and ecosystems. Laboratory activities are designed to give students experiential knowledge and acquaint them with the regional marine fauna and flora. This course is the lab for BIO 362.

Credit Hours: 1

Prerequisite or Corequisite Courses: BIO 362
Prerequisite Courses: BIO 201 and BIO 202

University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

or

BIO 366 - Ecology

An introduction to basic ecological principles as they pertain to individual organisms, populations, communities and systems. The lab for this course is BIOL 366.

Credit Hours: 3

Prerequisite Courses: BIO 201 and BIO 202
Course Repeatability: Course may not be repeated.

BIOL 366 - Ecology Laboratory

Introduction to ecological sampling techniques and data analysis. Experience in field sampling, laboratory and computer modeling of sampling approaches, and scientific writing is also included. This course is the lab for BIO 366. This course is the lab for BIO 366.

Credit Hours: 1

Prerequisite or Corequisite Courses: BIO 366
University Studies: Building Competencies/Writing Intensive, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

and

BIO 495 - Seminar

Individual reports and group discussions of the results of student field, laboratory and/or library research on selected topics in biology. The lab for this course is BIOL 495.

Credit Hours: 1

Additional Restrictions/Requirements: Senior Standing.
University Studies: Explorations Beyond the Classroom, Building Competencies/Information Literacy
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 2 **Repeat Limit:** 1

Note:

The department strongly recommends that two out of BIO 366; BIO 335; BIO 340 or BIO 345 be completed before taking other BIO courses at the 300 or 400 level.

Marine Biology Requirements

Organismal Biology, must chose two of the following bullets 6 credits total (NOTE: only 3 credit lecture counts toward this requirement; lab credit will count toward elective total):

BIO 313 - Marine Phycology

Introduction to the morphology, life histories, and ecology of benthic marine algae with emphasis on special topics such as morphogenesis, ecotypic variation and speciation, phytogeography, or seasonal periodicity of growth and reproduction. The lab for this course is BIOL 313.

Credit Hours: 3

Corequisite Courses: BIOL 313
Prerequisite Courses: BIO 362 or BIO 366
Course Repeatability: Course may not be repeated.

BIOL 313 - Marine Phycology Laboratory

Introduction to phycological sampling techniques and data analysis. Experience in field sampling and laboratory approaches to illustrate morphology, life histories, and ecology of benthic marine algae with emphasis on special topics such as morphogenesis, ecotypic variation and speciation, phytogeography, or seasonal periodicity of growth and reproduction. This course is the lab for BIO 313.

Corequisite Courses: BIO 313
Prerequisite Courses: BIO 362 or BIO 366
Course Repeatability: Course may not be repeated.

BIO 318 - Invertebrate Zoology

Survey of invertebrate animals with emphasis on the structure, function, phylogeny, ecology, and life histories of marine taxa. The lab for this course is BIOL 318.

Credit Hours: 3

Corequisite Courses: BIOL 318
Prerequisite Courses: BIO 201 and BIO 202.
Course Repeatability: Course may not be repeated.

BIOL 318 - Invertebrate Zoology Laboratory

Introduction to invertebrate sampling techniques and data analysis. Experience in species identification with emphasis on the structure, function, phylogeny, ecology, and life histories of marine taxa. This course is the lab for BIO 318.

Corequisite Courses: BIO 318
Prerequisite Courses: BIO 201 and BIO 202.
Course Repeatability: Course may not be repeated.

BIO 330 - Microbiology

Study of pathogenic and nonpathogenic microorganisms with emphasis on the biology of bacteria and viruses. The lab for this course is BIOL 330.

Credit Hours: 3

Prerequisite Courses: BIO 201 and BIO 202.
Course Repeatability: Course may not be repeated.

BIOL 330 - Microbiology Laboratory

Introduction to basic microbiological laboratory techniques. Experience in laboratory approaches to introduce basic laboratory skills in microbial cultures, staining, biochemical assays, and microorganism identification. This course is the lab for BIO 330. This course is the lab for BIO 330.

Credit Hours: 2

Prerequisite or Corequisite Courses: BIO 330
University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

BIO 358 - Marine Mammals

Study of pinnipeds, cetaceans, and sirenians, emphasizing their evolution and taxonomic relationships, anatomical and physiological adaptations, ecologic and economic importance, and natural history.

Credit Hours: 3

Prerequisite Courses: BIO 201 and BIO 202

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

BIO 412 - Marine Botany

Introduction to coastal marine plant communities, including how the marine environment affects plant community dynamics. Topic areas include: classification and identification, morphology, physiological ecology, importance to humans, and current hot topics. The lab for this course is BIOL 412.

Credit Hours: 3

Corequisite Courses: BIOL 412
Prerequisite Courses: BIO 362.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

BIOL 412 - Marine Botany Laboratory

Introduction to marine botany sampling techniques and data analysis. Experience in field sampling and laboratory approaches to illustrate how to identify marine plant communities and quantify their responses to environmental factors. This course is the lab for BIO 412.

Credit Hours: 1

Corequisite Courses: BIO 412
Course Repeatability: Course may not be repeated.

BIO 456 - Ornithology

An introduction to avian biology with an emphasis on the evolution, classification, physiology, ecology, natural history, and conservation of birds. The lab for this course is BIOL 456.

Credit Hours: 3

Corequisite Courses: BIOL 456
Prerequisite Courses: BIO 201, BIO 202, and BIO 366 or BIO 362
Course Repeatability: Course may not be repeated.

BIOL 456 - Ornithology Laboratory

Introduction to avian anatomy and field identification of North Carolina birds with field trips to local areas. The class may include weekend camping trips or visits to field stations in North Carolina. This course is the lab for

BIO 456.

Credit Hours: 1

Corequisite Courses: BIO 456
Prerequisite Courses: BIO 201, BIO 202, and (BIO 366 or BIO 362)
Course Repeatability: Course may not be repeated.

BIO 457 - Ichthyology

Survey of systematics, evolution, ecology, and natural history of living fishes, with emphasis on southeastern United States. The lab for this course is BIOL 457.

Credit Hours: 3

Prerequisite Courses: BIO 362.
Course Repeatability: Course may not be repeated.

BIOL 457 - Ichthyology Laboratory

Demonstration of basic anatomy, taxonomy, and natural history of local species in laboratory and field environments. This course is the lab for BIO 457. This course is the lab for BIO 457.

Credit Hours: 1

Prerequisite or Corequisite Courses: BIO 457
Course Repeatability: Course may not be repeated.

Marine Biology Applied Learning Experience

3 credits total

BIO 490 - Practicum In Marine Biology

Exploration of advanced topics in marine biology with an emphasis on hands-on research experiences in the classroom, laboratory, or field. The lab for this course is BIOL 490.

Credit Hours: 1

Corequisite Courses: BIOL 490
Prerequisite Courses: BIO 362 or BIO 366
Course Repeatability: Course may not be repeated.
Major Restriction Marine Biology**Minor Restriction** Marine Biology

BIO 498 - Internship in Biological Sciences

Practical field experience and training through a program of work and study within a business or agency. Students are supervised and evaluated jointly by a biology faculty member and an on-site supervisor. (Only three semester hours may count toward biology degree requirement.)

Credit Hours: 1 To 12

Additional Restrictions/Requirements: Junior or senior standing and major, minimum overall average of 2.00 and consent of instructor.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

BIO 499 - Honors Work in Biology

Independent study for honor students.

Credit Hours: 2 To 3

Additional Restrictions/Requirements: Junior or senior standing.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6

Collateral Requirements

CHM 101 - General Chemistry I

Overview of the fundamental laws, principles and theories of chemistry. A 'C' or better in CHM 101 is required to take certain advanced courses in chemistry.

Credit Hours: 3

Corequisite Courses: CHML 101.
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

CHML 101 - General Chemistry Laboratory I

Introduction to general chemistry laboratory techniques. This course is the lab companion course for general chemistry lecture CHM 101.

Credit Hours: 1

Corequisite Courses: CHM 101.
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

CHM 102 - General Chemistry II

Study of the fundamental laws, principles and theories of chemistry. Introduction to inorganic chemistry. Interpretation of experimental results. A 'C' or better in CHM 102 is required to take certain advanced courses in chemistry.

Credit Hours: 3

Corequisite Courses: CHML 102.
Prerequisite Courses: CHM 101 and CHML 101.
Course Repeatability: Course may not be repeated.

CHML 102 - General Chemistry Laboratory II

Introduction to techniques and equipment used in the chemical laboratory. Interpretation of experimental results. This course is the lab for CHM 102 .

Credit Hours: 1

Corequisite Courses: CHM 102.
Prerequisite Courses: CHML 101, CHM 101.
Course Repeatability: Course may not be repeated.

OCN 150 - Introduction to Oceanography

An introduction to the geology, physics, chemistry, and biology of the ocean; instruments and techniques of oceanography; resources of the ocean. The lab for this course is OCNL 150.

Credit Hours: 3

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

and

STT 215 - Introduction to Statistics

Methods of data collection; numerical and graphical analyses of univariate and bivariate data; axioms of probability; conditional probability; independence; distributions of random variables; introduction to confidence intervals and hypothesis testing; simple linear regression and correlation; use of statistical software to analyze data and simulate random variables.

Credit Hours: 3

University Studies: Foundations/Mathematics and Statistics
Course Repeatability: Course may not be repeated.

Additional Information:

A "C" (2.00) or better average is required for BIO courses above 299.

Marine Biology Option:

Must complete general requirements for B.S. Degree in Marine Biology. Additionally, a minimum of 25 hours chosen from courses numbered above BIO 299 and not

used to satisfy other requirements. CHM 211, CHML 211, PHY 101/201, PHY102/202 and/or MAT 151 will also count towards biology electives. >500 level courses may be chosen with permission of the instructor. No more than 10 hours may be counted from BIO 480, 491 (6 hr. max), 493 (3 hr. max), 498 (3 hr. max), and 499 (6 hr. max).The UNCW marine biology curriculum is a unique baccalaureate program in the university system. It includes a strong foundation of biology with an emphasis in marine biology at all levels. Full use is made of the natural laboratory provided by the adjacent Atlantic Ocean through extensive field work in many marine biology and biology courses. The curriculum is flexible enough to meet the individual needs of the student enabling preparation for graduate studies or for teaching and research careers available to one with the baccalaureate degree.

CHM 211 - Organic Chemistry I

Introduction to the chemistry of carbon compounds, including structure, reactions, mechanisms, and the concepts of organic synthesis. It is strongly recommended that students take the lab (CHML 211) concurrently with the lecture. The lab for this course is

CHML 211.

Credit Hours: 3

Prerequisite Courses: CHM 102
Course Repeatability: Course may not be repeated.

CHML 211 - Organic Chemistry Laboratory I

Introduction to reactions of organic compounds and basic laboratory techniques. This course is the lab for CHM 211.

Credit Hours: 1

Prerequisite or Corequisite Courses: CHM 211.
Prerequisite Courses: CHML 102
Course Repeatability: Course may not be repeated.

PHY 101 - Elementary College Physics I

First semester of a two semester algebra-based introduction to the fundamental principles of physics. Topics include kinematics, Newtonian statics and dynamics, gravitation, oscillations, and mechanical waves.

Credit Hours: 4

Prerequisite or Corequisite Courses: MAT 111 or MAT 112 or MAT 150 or MAT 151 or MAT 160 or MAT 161
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

PHY 102 - Elementary College Physics II

Second semester of a two semester algebra-based introduction to the fundamental principles of physics. Topics include electric and magnetic fields, circuits, electromagnetic waves, and optics.

Credit Hours: 4

Prerequisite Courses: PHY 101
Course Repeatability: Course may not be repeated.

PHY 201 - General Physics I

First semester of a two semester calculus-based introduction to the fundamental principles of physics for the physical and mathematical sciences. Topics include kinematics, Newtonian statics and dynamics, gravitation, oscillations, and mechanical waves.

Credit Hours: 4

Prerequisite or Corequisite Courses: MAT 161
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

PHY 202 - General Physics II

Second semester of a two semester calculus-based introduction to the fundamental principles of physics for the physical and mathematical sciences. Topics include electric and magnetic fields, circuits, Maxwell's equations, electromagnetic waves, and optics.

Credit Hours: 4

Prerequisite or Corequisite Courses: MAT 162

Prerequisite Courses: PHY 201
Course Repeatability: Course may not be repeated.

MAT 151 - Basic Calculus with Applications I

Intended for majors that emphasize techniques and applications. Study of linear and nonlinear functions, differentiation with applications, Riemann sums, integration, and the Fundamental Theorem of Calculus.

Credit Hours: 3

Prerequisite Courses: MAT 111 or MAT 150 or MAT 160, or satisfactory performance on the UNCW mathematics placement test.
University Studies: Foundations/Mathematics and Statistics, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

MAT 161 - Calculus with Analytical Geometry I

Calculus of a single variable intended for students in the mathematical and natural sciences. Functions and limits; differentiation with applications including maxima and minima, related rates, and approximations; theory of integration with applications; and transcendental

functions.

Credit Hours: 4

Prerequisite Courses: MAT 112 or MAT 160, or satisfactory performance on the UNCW mathematics placement test.
University Studies: Foundations/Mathematics and Statistics, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

Marine Conservation Option:

Must complete general requirements for B.S. Degree in Marine Biology and BIO 466. The Marine Conservation option provides a B.S. Marine Biology degree plan that is designed for students primarily interested in the biological aspects of conservation science in marine environments (e.g., community ecology, population biology, biogeography, conservation genetics and assessment of threatened or endangered species and habitats).

BIO 466 - Conservation Biology

A scientific approach to the protection, maintenance, and restoration of biological diversity, including its ecological and evolutionary processes and total environment.

Credit Hours: 3

Prerequisite Courses: BIO 366 or BIO 362
Additional Restrictions/Requirements: Junior or senior standing.
Course Repeatability: Course may not be repeated.

Elective Courses:

Additionally, a minimum of 22 hours chosen from courses listed below and not used to satisfy other requirements. >500 level courses may be chosen with permission of the instructor. No more than 10 hours may be counted from BIO 480, 491 (6 hr. max), 493 (3 hr. max), 498 (3 hr. max), and 499 (6 hr. max).

BIO 313 - Marine Phycology

Introduction to the morphology, life histories, and ecology of benthic marine algae with emphasis on special topics such as morphogenesis, ecotypic

variation and speciation, phytogeography, or seasonal periodicity of growth and reproduction. The lab for this course is BIOL 313.

Credit Hours: 3

Corequisite Courses: BIOL 313
Prerequisite Courses: BIO 362 or BIO 366
Course Repeatability: Course may not be repeated.

BIOL 313 - Marine Phycology Laboratory

Introduction to phycological sampling techniques and data analysis. Experience in field sampling and laboratory approaches to illustrate morphology, life histories, and ecology of benthic marine algae with emphasis on special topics such as morphogenesis, ecotypic variation and speciation, phytogeography, or seasonal periodicity of growth and reproduction. This course is the lab for BIO 313.

Corequisite Courses: BIO 313
Prerequisite Courses: BIO 362 or BIO 366
Course Repeatability: Course may not be repeated.

BIO 318 - Invertebrate Zoology

Survey of invertebrate animals with emphasis on the structure, function, phylogeny, ecology, and life histories of marine taxa. The lab for this course is BIOL 318.

Credit Hours: 3

Corequisite Courses: BIOL 318
Prerequisite Courses: BIO 201 and BIO 202.
Course Repeatability: Course may not be repeated.

BIOL 318 - Invertebrate Zoology Laboratory

Introduction to invertebrate sampling techniques and data analysis. Experience in species identification with emphasis on the structure, function, phylogeny, ecology, and life histories of marine taxa. This course is the lab for BIO 318.

Corequisite Courses: BIO 318
Prerequisite Courses: BIO 201 and BIO 202.
Course Repeatability: Course may not be repeated.

BIO 322 - Biological Invasions

The scientific study of the invasion process, persistence, and spread of introduced species; ecological and economic impacts and management of introduced species; and how global change influences the impact of introduced species on human resources.

Credit Hours: 3

Prerequisite Courses: BIO 201 and BIO 202.
Course Repeatability: Course may not be repeated.

BIO 330 - Microbiology

Study of pathogenic and nonpathogenic microorganisms with emphasis on the biology of bacteria and viruses. The lab for this course is BIOL 330.

Credit Hours: 3

Prerequisite Courses: BIO 201 and BIO 202.
Course Repeatability: Course may not be repeated.

BIOL 330 - Microbiology Laboratory

Introduction to basic microbiological laboratory techniques. Experience in laboratory approaches to introduce basic laboratory skills in microbial cultures, staining, biochemical assays, and microorganism identification. This course is the lab for BIO 330. This course is the lab for BIO 330.

Credit Hours: 2

Prerequisite or Corequisite Courses: BIO 330
University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

BIO 354 - Herpetology

Study of reptiles and amphibians with emphasis on their evolution, physiology, ecology, behavior, and conservation. Laboratory focuses on species identification and field techniques for studying herpetofauna. Several field trips to local areas.

Credit Hours: 0 Or 4

Prerequisite Courses: BIO 201 and BIO 202.

University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 4

BIO 358 - Marine Mammals

Study of pinnipeds, cetaceans, and sirenians, emphasizing their evolution and taxonomic relationships, anatomical and physiological adaptations, ecologic and economic importance, and natural history.

Credit Hours: 3

Prerequisite Courses: BIO 201 and BIO 202
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

BIO 363 - Coral Reef Ecology

Ecology and physiology of coral reef organisms, emphasizing processes that contribute to the function and complexity of coral reef ecosystems. Reef information and geology, coral biology and physiology, ecological interactions, human effects, global effects,

and conversation will be considered. The lab for this course is BIOL 363.

Credit Hours: 3

Prerequisite Courses: BIO 201 and BIO 202.
Course Repeatability: Course may not be repeated.

BIOL 363 - Coral Reef Ecology Laboratory

Methods for studying coral reef taxa, community structure, coral physiology, and ecological processes will be explored. Independent project required.

Credit Hours: 1

Prerequisite or Corequisite Courses: BIO 363
Prerequisite Courses: BIO 201, BIO 202
Course Repeatability: Course may not be repeated.

BIO 367 - Antarctic Ecology, Geology, History, and Policy

An in-depth examination of the frozen continent including its geologic origins, ice sheet formation, and fossil record. Its unique ecology, endemic wildlife,

discovery and human history, anthropogenic impacts, and current international agreements to protect resources will also be examined. Open to juniors and seniors from all major departments. Also offered as BIO 585 with additional requirements.

Credit Hours: 3

Prerequisite Courses: BIO 201 and BIO 202
Course Repeatability: Course may not be repeated.

BIO 368 - Behavioral Ecology

Evolutionary approach focusing on both proximate and ultimate causes of behavior. Feeding and antipredatory behavior, habitat selection, territoriality, reproductive behavior, mating systems, parental care, animal communication, and the evolution of social behavior. Emphasis on birds, mammals, and fish.

Credit Hours: 3

Prerequisite Courses: BIO 201 and BIO 202 and BIO 366
Course Repeatability: Course may not be repeated.

BIO 369 - Behavioral Neurobiology

Introduction to the natural behavior of animals and how that relates to the structure and function of neurons and neural tissues. Neural systems and their relationship to the biophysical environment, how they underlie animal perception and behavior, and how they result from evolutionary processes, such as coevolution are explored.

Credit Hours: 3

Prerequisite Courses: BIO 201, BIO 202.
Course Repeatability: Course may not be repeated.

BIO 378 - Global Environmental Problems

Review and discussion of causes and effects of major environmental problems, with emphasis on ecosystem-level effects and interactions. Topics include extinction, deforestation, climate change, and pollution impacts.

Credit Hours: 3

Prerequisite Courses: BIO 201 and BIO

202 and CHM 101 and CHML 101.
Course Repeatability: Course may not be repeated.

BIO 387 - Biological Impacts of Coastal Management

Overview of the impacts of coastal management efforts on species of concern and broader ecosystem dynamics. Exploration of how coastal activities and coastal management related to fisheries, aquaculture, shoreline processes, and water quality may directly and indirectly impact coastal ecosystem composition and resiliency, populations of endangered species, and broader connections with the ocean foods webs.

Credit Hours: 3

Prerequisite Courses: BIO 201, BIO 202.
Additional Restrictions/Requirements: Junior or senior standing or consent of instructors
Course Repeatability: Course may not be repeated.

BIO 412 - Marine Botany

Introduction to coastal marine plant communities, including how the marine environment affects plant

community dynamics. Topic areas include: classification and identification, morphology, physiological ecology, importance to humans, and current hot topics. The lab for this course is BIOL 412.

Credit Hours: 3

Corequisite Courses: BIOL 412
Prerequisite Courses: BIO 362.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

BIOL 412 - Marine Botany Laboratory

Introduction to marine botany sampling techniques and data analysis. Experience in field sampling and laboratory approaches to illustrate how to identify marine plant communities and quantify their responses to environmental factors. This course is the lab for BIO 412.

Credit Hours: 1

Corequisite Courses: BIO 412
Course Repeatability: Course may not be repeated.

BIO 430 - Evolutionary Biology

Study of biological change over time through pathways of descent and through adaptation, including how biological diversity, from molecular through organismal levels, originates and is maintained. Focus on modern evolutionary analysis and applications in medicine, agriculture, and conservation.

Credit Hours: 3

Prerequisite Courses: BIO 335
Crosslisting: ANT 430
Course Repeatability: Course may not be repeated.

BIO 434 - Coastal Marine Ecology

An in-depth study of the major processes controlling populations and structuring coastal marine communities. Emphasis is on the review and discussion of important historical and recent scientific papers.

Credit Hours: 3

Prerequisite Courses: BIO 366 or BIO 362
Course Repeatability: Course may not be repeated.

BIO 452 - Mammalogy

Study of mammals, emphasizing their evolution, taxonomic relationships, structural and physiological adaption, and life histories.

Credit Hours: 4

Prerequisite Courses: BIO 201 and BIO 202
Course Repeatability: Course may not be repeated.

BIO 456 - Ornithology

An introduction to avian biology with an emphasis on the evolution, classification, physiology, ecology, natural history, and conservation of birds. The lab for this course is BIOL 456.

Credit Hours: 3

Corequisite Courses: BIOL 456
Prerequisite Courses: BIO 201, BIO 202, and BIO 366 or BIO 362
Course Repeatability: Course may not be repeated.

BIOL 456 - Ornithology Laboratory

Introduction to avian anatomy and field identification of North Carolina birds with field trips to local areas. The class may include weekend camping trips or visits to field stations in North Carolina. This course is the lab for BIO 456.

Credit Hours: 1

Corequisite Courses: BIO 456
Prerequisite Courses: BIO 201, BIO 202, and (BIO 366 or BIO 362)
Course Repeatability: Course may not be repeated.

BIO 457 - Ichthyology

Survey of systematics, evolution, ecology, and natural history of living fishes, with emphasis on southeastern United States. The lab for this course is BIOL 457.

Credit Hours: 3

Prerequisite Courses: BIO 362.
Course Repeatability: Course may not be repeated.

BIOL 457 - Ichthyology Laboratory

Demonstration of basic anatomy, taxonomy, and natural history of local species in laboratory and field environments. This course is the lab for BIO 457. This course is the lab for BIO 457.

Credit Hours: 1

Prerequisite or Corequisite Courses: BIO 457
Course Repeatability: Course may not be repeated.

BIO 458 - Fisheries Biology

An examination of the factors that control the population dynamics of fishes. Introduction to the principles of fisheries science including estimation of population metrics such as age, growth, mortality, and abundance, fish stock assessment, and fishery management strategies. The lab for this course is BIOL 458.

Credit Hours: 3

Prerequisite Courses: BIO 366 or BIO 362
Additional Restrictions/Requirements: Prerequisite

course or consent of instructor.
Course Repeatability: Course may not be repeated.

BIO 462 - Deep Sea Biology

Study of deep-sea biosphere, with emphasis on the biology of abyssal zones off the North Carolina coast and hydrothermal vent ecosystems. Topics include unique benthic and pelagic animals in deep-sea environments and their physiological adaptations to hydrostatic pressure and low temperature, nutritional dynamics, reproductive strategies, energy flow, and speciation in abyssal and ultra abyssal zones.

Credit Hours: 3

Prerequisite Courses: BIO 362
Course Repeatability: Course may not be repeated.

BIO 470 - Mariculture

Overview of basic principles of fish and shellfish production. Focus on the basic features of culture systems, biology of major culture species and legal and economic aspects of mariculture. Specific culture techniques for a variety of marine species, with special

emphasis on the southeast US coast.

Credit Hours: 3

Prerequisite Courses: BIO 362.
Course Repeatability: Course may not be repeated.

BIO 486 - Advanced Topics in Mariculture

Advanced mariculture topics not considered in detail in other courses. More than one topic may be taken for credit.

Credit Hours: 3

Prerequisite Courses: BIO 201 and BIO 202
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 3

BIO 487 - Introduction to Coastal Management

Interdisciplinary study of human impact on coastal environments and organisms. Physical and biotic settings of worldwide coastal regions, principles of coastal management, current topics in coastal management, and analysis of potential solutions to

coastal problems.

Credit Hours: 0 Or 4

Additional Restrictions/Requirements: Junior or senior standing or consent of instructors.
Crosslisting: OCN 458, GLY 558
Course Repeatability: Course may not be repeated.

BIO 489 - Benthic Ecology

The scientific study of the organisms and processes that structure coastal benthic communities. Benthic communities encompass the vast seafloor areas of estuaries and oceans and support aquatic communities, fisheries, larger species of interest, and critical ecosystem processes.

Credit Hours: 3

Prerequisite Courses: BIO 201, BIO 202, BIO 366.
Course Repeatability: Course may not be repeated.

BIO 490 - Practicum In Marine Biology

Exploration of advanced topics in marine biology with an emphasis on hands-on research experiences in the classroom, laboratory, or field. The lab for this course is BIOL 490.

Credit Hours: 1

Corequisite Courses: BIOL 490
Prerequisite Courses: BIO 362 or BIO 366
Course Repeatability: Course may not be repeated.
Major Restriction Marine Biology**Minor Restriction** Marine Biology

BIO 491 - Directed Individual Study

Involves investigation under faculty supervision beyond what is offered in existing courses. No more than 6 credits total may be applied to the major. For further information, consult the Enrichment Courses and Programs section in this catalogue.

Credit Hours: 1 To 3

Additional Restrictions/Requirements: Junior or senior standing, overall GPA of at least 2.00, and

consent of instructor, department chair and dean.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

BIO 498 - Internship in Biological Sciences

Practical field experience and training through a program of work and study within a business or agency. Students are supervised and evaluated jointly by a biology faculty member and an on-site supervisor. (Only three semester hours may count toward biology degree requirement.)

Credit Hours: 1 To 12

Additional Restrictions/Requirements: Junior or senior standing and major, minimum overall average of 2.00 and consent of instructor.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

BIO 499 - Honors Work in Biology

Independent study for honor students.

Credit Hours: 2 To 3

Additional Restrictions/Requirements: Junior or senior standing.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6

CHM 211 - Organic Chemistry I

Introduction to the chemistry of carbon compounds, including structure, reactions, mechanisms, and the concepts of organic synthesis. It is strongly recommended that students take the lab (CHML 211) concurrently with the lecture. The lab for this course is CHML 211.

Credit Hours: 3

Prerequisite Courses: CHM 102
Course Repeatability: Course may not be repeated.

CHML 211 - Organic Chemistry Laboratory I

Introduction to reactions of organic compounds and basic laboratory techniques. This course is the lab for CHM 211.

Credit Hours: 1

Prerequisite or Corequisite Courses: CHM 211.
Prerequisite Courses: CHML 102
Course Repeatability: Course may not be repeated.

PHY 101 - Elementary College Physics I

First semester of a two semester algebra-based introduction to the fundamental principles of physics. Topics include kinematics, Newtonian statics and dynamics, gravitation, oscillations, and mechanical waves.

Credit Hours: 4

Prerequisite or Corequisite Courses: MAT 111 or MAT 112 or MAT 150 or MAT 151 or MAT 160 or MAT 161
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

PHY 102 - Elementary College Physics II

Second semester of a two semester algebra-based introduction to the fundamental principles of physics. Topics include electric and magnetic fields, circuits, electromagnetic waves, and optics.

Credit Hours: 4

Prerequisite Courses: PHY 101
Course Repeatability: Course may not be repeated.

PHY 201 - General Physics I

First semester of a two semester calculus-based introduction to the fundamental principles of physics for the physical and mathematical sciences. Topics include kinematics, Newtonian statics and dynamics,

gravitation, oscillations, and mechanical waves.

Credit Hours: 4

Prerequisite or Corequisite Courses: MAT 161
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

PHY 202 - General Physics II

Second semester of a two semester calculus-based introduction to the fundamental principles of physics for the physical and mathematical sciences. Topics include electric and magnetic fields, circuits, Maxwell's equations, electromagnetic waves, and optics.

Credit Hours: 4

Prerequisite or Corequisite Courses: MAT 162
Prerequisite Courses: PHY 201
Course Repeatability: Course may not be repeated.

MAT 151 - Basic Calculus with Applications I

Intended for majors that emphasize techniques and applications. Study of linear and nonlinear functions, differentiation with applications, Riemann sums, integration, and the Fundamental Theorem of Calculus.

Credit Hours: 3

Prerequisite Courses: MAT 111 or MAT 150 or MAT 160, or satisfactory performance on the UNCW mathematics placement test.
University Studies: Foundations/Mathematics and Statistics, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

MAT 161 - Calculus with Analytical Geometry I

Calculus of a single variable intended for students in the mathematical and natural sciences. Functions and limits; differentiation with applications including maxima and minima, related rates, and approximations; theory of integration with applications; and transcendental functions.

Credit Hours: 4

Prerequisite Courses: MAT 112 or MAT 160, or satisfactory performance on the UNCW mathematics placement test.
University Studies: Foundations/Mathematics and Statistics, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

Total: 75 hours

Mathematics, B.A.

The B.A. degree options are designed with the goals of a broad liberal education in mind. Licensed secondary school teachers with a B.A. in mathematics are in high demand, as are qualified applicants for graduate schools in mathematics. Additionally, a B.A. degree in mathematics is regarded as excellent preparation for entrance to professional schools of law, medicine or business.

Requirements for the Major in Mathematics:

The requirements for both the B.A. and B.S. degrees in Mathematics consist of some common core courses and fulfillment of the requirements of one of several options.

It is strongly recommended that each student majoring in mathematics either complete a minor in a discipline that applies mathematics or elect advanced coursework involving mathematical applications in other disciplines such as biology, chemistry, computer science, geography and geology, economics, information systems and operations management, physics, psychology, sociology and statistics.

Computer Requirement:

To satisfy the computer requirement for the B.A. degree in Mathematics, a student must successfully complete MAT 161 - MAT 162, MAT 261, and MAT 335.

Oral Communication Requirement:

To satisfy the oral communication requirement for the B.A. degree in Mathematics a student must successfully complete MAT 346, MAT 471, MAT 495, or any other approved oral intensive course (see list here).

Applied Learning Requirement:

To satisfy the applied learning requirement for the B.A. degree in Mathematics a student must successfully complete one or more of the following: MAT 495, MAT 498, MAT 499 or SEC 404.

Requirements for a Major in Mathematics for the B.A. Degree:

Core Requirements:

MAT 161 - Calculus with Analytical Geometry I

Calculus of a single variable intended for students in the mathematical and natural sciences. Functions and limits; differentiation with applications including maxima and minima, related rates, and approximations; theory of integration with applications; and transcendental functions.

Credit Hours: 4

Prerequisite Courses: MAT 112 or MAT 160, or satisfactory performance on the UNCW mathematics placement test.
University Studies: Foundations/Mathematics and

Statistics, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

MAT 162 - Calculus with Analytical Geometry II

The second course in a three-course sequence. Further techniques and applications of integration; infinite sequences and series; conic sections, parametrized curves and polar coordinates; and, elementary differential equations.

Credit Hours: 4

Prerequisite Courses: MAT 161.
University Studies: Foundations/Mathematics and Statistics, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

MAT 261 - Multivariate Calculus

Calculus of functions of several variables. Vectors and analytic geometry of three dimensional space; partial derivatives, gradients, directional derivatives, maxima and minima; multiple integrals; line and surface integrals, Green's Theorem, Divergence Theorem, and Stokes' Theorem.

Credit Hours: 4

Prerequisite Courses: MAT 162
Course Repeatability: Course may not be repeated.

MAT 275 - Axiomatic Systems

Introduction to logic and mathematical proof with a focus on properties of the real number system. Elementary set theory, relations, functions, cardinality, algebraic and completeness properties of the reals and topics from axiomatic systems. Precision in the language of mathematics and rigor in proofs. Student presentations.

Credit Hours: 3

Prerequisite Courses: MAT 152 or MAT 161
Course Repeatability: Course may not be repeated.

MAT 311 - Intermediate Analysis

Thorough treatment of the topology of the real line, functions and limits, convergence, continuity, differentiation and integration of functions of a real

variable. Infinite series, uniform convergence.

Credit Hours: 3

Prerequisite Courses: MAT 261 and MAT 275
Course Repeatability: Course may not be repeated.

MAT 335 - Linear Algebra and Matrices

Systems of linear equations, vector spaces, algebra of matrices and linear transformations, determinants, eigenvalues and eigenvectors, applications.

Credit Hours: 3

Prerequisite Courses: MAT 161
Course Repeatability: Course may not be repeated.

MAT 336 - Abstract Algebra I

Basic study of algebraic structures, focusing on groups and rings. Examples may include permutation, matrix, and symmetry groups, polynomial rings, and integral domains.

Credit Hours: 3

Prerequisite Courses: MAT 275 and MAT 335
Course Repeatability: Course may not be repeated.

STT 215 - Introduction to Statistics

Methods of data collection; numerical and graphical analyses of univariate and bivariate data; axioms of probability; conditional probability; independence; distributions of random variables; introduction to confidence intervals and hypothesis testing; simple linear regression and correlation; use of statistical software to analyze data and simulate random variables.

Credit Hours: 3

University Studies: Foundations/Mathematics and Statistics
Course Repeatability: Course may not be repeated.

STT 315 - Introduction to Probability

Introduction to calculus-based probability. Topics include: discrete and continuous random variables and probability distributions; mathematical expectation and

variance; sampling distributions and the central limit theorem.

Credit Hours: 3

Prerequisite Courses: MAT 152 or MAT 162.
Course Repeatability: Course may not be repeated.

Total: 30 hours

Options:

In addition, each student must fulfill the requirements of one of the following options:

Option 1. Mathematics:

This option is designed to provide the greatest flexibility to allow a student to achieve personal educational goals or to combine a mathematics major with a minor. In addition to the core requirements, the student must complete either MAT 495 or three hours of MAT 499 and 12 additional hours in the Department of Mathematics and Statistics at the 300-400 level, at least 6 of which must be in mathematics. Recommended areas related to mathematics: biology, chemistry, computer science, economics, geography

and geology, information systems and operations management, physics, psychology, sociology, statistics. PHY 201 is highly recommended as the university studies physical science requirement.

Total: 45 hours

Additional Information:

An overall average of "C" (2.00) or better, with no grade lower than a "C-" is required for all 300-400-level mathematics or statistics courses counted toward the major.

Mathematics, B.S.

The B.S. degree options are designed to provide flexibility and adequate preparation for graduate school, while emphasizing mathematical reasoning, modeling, and problem solving, all within the context of preparing the student for a career in mathematics, business, industry, government, or academia. Recommended courses in areas related to mathematics provide the requisite experience and practice in mathematical applications. PHY 201 is highly recommended as the university studies physical science requirement.

Requirements for the Major in Mathematics

The requirements for both the B.A. and B.S. degrees in Mathematics consist of some common core courses and fulfillment of the requirements of one of several options.

It is strongly recommended that each student majoring in mathematics either complete a minor in a discipline that applies mathematics or elect advanced coursework involving mathematical applications in other disciplines such as biology, chemistry, computer science, geography and geology, economics, information systems and operations management, physics, psychology, sociology and statistics.

Computer Requirement

To satisfy the computer requirement for the B.S. degree in Mathematics, a student must successfully complete MAT 161-MAT 162, MAT 261, MAT 335, and MAT 361.

Oral Communication Requirement

To satisfy the oral communication requirement for the B.S. degree in Mathematics a student must successfully complete MAT 495 or MAT 499.

Applied Learning Requirement

To satisfy the applied learning requirement for the B.S. degree in Mathematics a student must successfully complete one or more of the following: MAT 495 or MAT 499.

Requirements for a Major in Mathematics for the B.S. Degree

Core Courses (27 Credit Hours)

MAT 161 - Calculus with Analytical Geometry I

Calculus of a single variable intended for students in the mathematical and natural sciences. Functions and limits; differentiation with applications including maxima and minima, related rates, and approximations; theory of integration with applications; and transcendental functions.

Credit Hours: 4

Prerequisite Courses: MAT 112 or MAT 160, or satisfactory performance on the UNCW mathematics placement test.
University Studies: Foundations/Mathematics and Statistics, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

MAT 162 - Calculus with Analytical Geometry II

The second course in a three-course sequence. Further techniques and applications of integration; infinite sequences and series; conic sections, parametrized curves and polar coordinates; and, elementary differential equations.

Credit Hours: 4

Prerequisite Courses: MAT 161.
University Studies: Foundations/Mathematics and Statistics, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

MAT 261 - Multivariate Calculus

Calculus of functions of several variables. Vectors and analytic geometry of three dimensional space; partial

derivatives, gradients, directional derivatives, maxima and minima; multiple integrals; line and surface integrals, Green's Theorem, Divergence Theorem, and Stokes' Theorem.

Credit Hours: 4

Prerequisite Courses: MAT 162
Course Repeatability: Course may not be repeated.

MAT 275 - Axiomatic Systems

Introduction to logic and mathematical proof with a focus on properties of the real number system. Elementary set theory, relations, functions, cardinality, algebraic and completeness properties of the reals and topics from axiomatic systems. Precision in the language of mathematics and rigor in proofs. Student presentations.

Credit Hours: 3

Prerequisite Courses: MAT 152 or MAT 161
Course Repeatability: Course may not be repeated.

MAT 335 - Linear Algebra and Matrices

Systems of linear equations, vector spaces, algebra of matrices and linear transformations, determinants, eigenvalues and eigenvectors, applications.

Credit Hours: 3

Prerequisite Courses: MAT 161
Course Repeatability: Course may not be repeated.

MAT 495 - Seminar in Mathematics

Reading, discussion, investigation, and preparation and presentation of reports on selected mathematical topics, under faculty supervision beyond the students' courses of study.

Credit Hours: 3

Additional Restrictions/Requirements: 9 semester hours of mathematics courses at the 300-400 level.
University Studies: Building Competencies/Writing Intensive, Building Competencies/Information Literacy, Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.

or three hours of:

MAT 499 - Honors Work in Mathematics

Individual study for honor students.

Credit Hours: 2 To 3

Additional Restrictions/Requirements: Eligibility for honors program.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6

STT 215 - Introduction to Statistics

Methods of data collection; numerical and graphical analyses of univariate and bivariate data; axioms of probability; conditional probability; independence; distributions of random variables; introduction to confidence intervals and hypothesis testing; simple linear regression and correlation; use of statistical software to analyze data and simulate random variables.

Credit Hours: 3

University Studies: Foundations/Mathematics and Statistics
Course Repeatability: Course may not be repeated.

STT 315 - Introduction to Probability

Introduction to calculus-based probability. Topics include: discrete and continuous random variables and probability distributions; mathematical expectation and variance; sampling distributions and the central limit theorem.

Credit Hours: 3

Prerequisite Courses: MAT 152 or MAT 162.
Course Repeatability: Course may not be repeated.

Option 1. General Mathematics (27 Credit Hours)

This option provides a broad, traditional perspective of mathematics and its scientific application in addition to depth of study in several areas of mathematics. Students also see the application and modeling of mathematics to a variety of fields. Career opportunities in business, industry, government and academia involve applications in the natural sciences and

engineering, economics, and actuarial science. In addition to the core requirements, the student must complete

MAT 361 - Differential Equations

Theory, methods of solution, and applications of ordinary differential equations with emphasis on first and second order (linear and nonlinear) equations, and systems of first order equations. Methods used include Laplace transforms, matrices, eigenvalues and eigenvectors. Additional topics from power series solutions and numerical methods.

Credit Hours: 3

Prerequisite Courses: MAT 162.
Course Repeatability: Course may not be repeated.

MAT 311 - Intermediate Analysis

Thorough treatment of the topology of the real line, functions and limits, convergence, continuity, differentiation and integration of functions of a real variable. Infinite series, uniform convergence.

Credit Hours: 3

Prerequisite Courses: MAT 261 and MAT 275
Course Repeatability: Course may not be repeated.

MAT 336 - Abstract Algebra I

Basic study of algebraic structures, focusing on groups and rings. Examples may include permutation, matrix, and symmetry groups, polynomial rings, and integral domains.

Credit Hours: 3

Prerequisite Courses: MAT 275 and MAT 335
Course Repeatability: Course may not be repeated.

Elective Course Requirements (18 Credit Hours)

18 additional hours in the Department of Mathematics and Statistics at the 300-400 level in which

- at least 9 of are at the 400 level, and
- at least 12 hours are in mathematics.

Option 2. Data Science (30 Credit Hours)

Mathematics is the foundation for Data Science, Machine Learning, Artificial Intelligence and related areas leading to a demand for students, especially those in Mathematics, Statistics, Computer Science or Engineering related majors, to learn in-depth mathematical theories behind many machine learning algorithms. This option provides the tools needed to prepare students for opportunities in business, industry, government and academia which employ data science. [Students selecting this option are not eligible to declare a Data Science minor.]

DSC 301 - Introduction to Machine Learning

Introduction to machine learning, including necessary linear algebra topics, such as vectors, matrices, eigenvalues, eigenvectors, symmetric matrices and singular value decompositions. Considers gradient descent methods to optimize predictive and classification models, dimension reduction, clustering, cross validation, grid search, data visualization and dashboards.

Credit Hours: 3

Prerequisite Courses: MAT 151 or MAT 161.
Course Repeatability: Course may not be repeated.

DSC 302 - Foundations of Data Science

Foundational topics in the field of Data Science Topics to include data cleaning, Structured Query Language (SQL), data manipulation, visualizations, elementary classification, and machine learning.

Credit Hours: 3

Prerequisite Courses: MAT 151 or MAT 161.
Course Repeatability: Course may not be repeated.

STT 303 - R for Data Science

Introduction to data science with an overview of the basic techniques for making informed, data-driven decisions using the R statistical software. Students learn the basics of R programming and use it to visualize, wrangle, manipulate, and explore data of many types and sizes.

Prerequisite Courses: STT 215, or PSY 225, or BAN

280
Course Repeatability: Course may not be repeated.

OR

STT 305 - Statistical Programming

Introduction to statistical programming in SAS with emphasis on data step programming; applications to data management and report generation, simulation, graphical and numerical analysis of univariate and multivariate data. Comparison of current statistical software.

Credit Hours: 3

Prerequisite Courses: STT 215
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

STT 412 - Applied Regression and Correlation

Review of elementary statistics; linear and multiple regression; correlation. Statistical software packages used as appropriate in problem solving.

Credit Hours: 3

Prerequisite Courses: MAT 335
Additional Restrictions/Requirements: Any elementary statistics course.
Course Repeatability: Course may not be repeated.

MAT 430 - Mathematical Theory of Data Science

Mathematical formulation and derivation of established machine learning and data analysis methods, as well as applications. Topics include singular value decomposition, dimension reduction such as low-rank approximation, k-means, support vector machine, clustering and kernel methods, nonnegative matrix factorization and topic models, neural network and image classification.

Credit Hours: 3

Prerequisite Courses: MAT 261 and MAT 335
Course Repeatability: Course may not be repeated.

MAT 476 - Optimization

Examination of the mathematics underlying optimization problems, emphasizing the

underlying geometric, algebraic and analytical ideas. Topics covered may include: convex analysis, least-squares, linear programming, semidefinite programming, optimality conditions, duality theory, numerical methods including gradient descent and Lagrange multipliers.

Credit Hours: 3

Prerequisite Courses: MAT 261 and MAT 335
Course Repeatability: Course may not be repeated.

Elective Course Requirements (12 Credit Hours)

12 additional hours in the Department of Mathematics and Statistics at the 300-400 level.

Total Credit Hours: 54-57

Additional Information

An overall average of "C" (2.00) or better with no grade lower than a "C-" is required for all 300-400-level mathematics or statistics courses counted toward the major.

Middle Grades Education, B.A.

The goal of the Middle Grades Education program at UNCW is to assist in providing an appropriate education for early adolescents in grades 6-9 through the preparation of teachers who are well educated and professional competent. Students in our program may select two areas of specialization (Language Arts, Mathematics, Science and Social Studies). In addition, they complete as many as 80+ hours of field experience in at least three middle schools before the practicum/internship semester.

Target audience: undergraduate students who would like to earn a North Carolina teaching license in the middle grades (6-9).
Program goals:

1. Teacher Candidates will demonstrate leadership by applying the major constructs (concepts, principles, theories, and standards) related to young adolescent development and developmentally responsive middle schools.
2. Teacher Candidates will establish a respectful educational environment for diverse learners by adapting instruction based on analysis of the individual needs (e.g., learning, social, emotional)

of young adolescents and their community contexts.

3. Teacher candidates will demonstrate content knowledge by applying major content-specific constructs (concepts, principles, theories, language, and standards) during field experiences and internship.
4. Teacher Candidates will facilitate student learning through the learning cycle (planning, instruction, and assessment) by applying a variety of developmentally appropriate strategies and technologies to meet the learning needs of young adolescents.
5. Teacher Candidates will reflect on their practice by analyzing student learning to inform their instruction and professional development.

Degree Requirements for Middle Grades Education:

University Studies:

Students should follow university studies requirements of the University of North Carolina Wilmington as outlined in the Academic Programs and University

Studies section of the catalogue. The major in middle grades education requires 88 hours (46 hours of education courses, 18 hours in an additional teaching field and 24 hours in an academic concentration) as follows:

Professional Core:

EDN 200 - Teacher, School and Society

This course examines historical, sociological, and philosophical foundations of education as well as issues of diversity. The course engages students' knowledge, research, and analytical skills in relation to the goals and purposes of education. Students are challenged to critically reflect on personal and educational experiences as preservice professionals. The course is designed to provide opportunities to observe and engage in reflective discussion of curriculum and instructional practices, school governance and organization, and school-community relationships, inclusive of field experience. **Additional liability insurance expense may be necessary.** The lab for this course is EDNL

200.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in Our Diverse Nation, Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.

EDN 203 - Psychological Foundations of Teaching

A study of the major psychological variables that influence learning in schools and their applications to teaching. Addresses theories and systems of learning (behavioral, cognitive, constructivist, and humanistic); major developmental processes and typical characteristics; and principles of motivation. Variables explaining and accounting for individual differences will be examined, including cultural aspects of learning and special needs learners. Students will learn about practices associated with effective teaching, including classroom management, and standards for valid assessment of student learning.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

EDN 301 - Instructional Design and Evaluation

Provides conceptual tools and analytic skills essential to planning, implementing, and evaluating instruction. The design of instruction that incorporates behavioral, cognitive and constructivist theories of learning and views of curriculum will be considered. Topics: types of learning; conditions of learning; performance objectives; purposes, forms, and procedures for educational assessment; task analysis, and lesson design.

Credit Hours: 3

Prerequisite Courses: Prerequisite or

corequisite:EDN 200 and EDN 203.
Course Repeatability: Course may not be repeated.

EDN 303 - Instructional Technology

Emphasizes the design, selection, production, and evaluation of instructional materials, computer-generated presentations, and interactive multimedia, with particular emphasis on their effective integration into an instructional unit. Develops skill in the operation of media production equipment, including microcomputers, fundamentals of operating systems, computer software applications, networks, and telecommunications.

Credit Hours: 3

University Studies: Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

PSY 221 - Adolescent Psychology

Human psychological development from late childhood through adolescence. Normal development is emphasized.

Credit Hours: 3

Prerequisite Courses: PSY 105
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

PSY 223 - Life Span Human Development

Variables and factors underlying human growth and development across the life span. Physical, cognitive, social, emotional, and sexual developments are emphasized.

Credit Hours: 3

Prerequisite Courses: PSY 105
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

Professional Education:

EDN 318 - Middle School Programs and Practices

Overview of the conceptual and historic development of programs for students in grades six through nine. Comparison of varied curricular, instructional, and organizational aspects of the middle school movement. Major emphasis on exploring the educational implications of the developmental characteristics of early adolescent learners. Varied approaches to teaming, classroom management and mainstreaming will be investigated. Work will include observations in a variety of settings.

Credit Hours: 3

University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

EDN 320 - Diverse Learners

This course addresses meeting the needs of diverse learners in middle level classrooms (6-9). It is divided into three modules examining different aspects of diversity: differentiating instructionto address students'

learning styles and intelligences; understanding characteristics of and adapting instruction to meet the needs of special learners; and working with English language learners and their cultural contexts. Each module includes sections on assessing learner needs and adapting instruction to meet these needs. Field experiences required.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

EDN 352 - Developing Reading and Writing Competence in the Middle Grades

Develops understanding of reading and writing processes in the broad context of communication. Presents strategies for fostering and evaluating interest, fluency, and skill in reading and writing, both in developmental literary classes and in middle level, content subjects. Topics include organizational and instructional strategies for the development of reading and writing ability, techniques for motivating and

guiding readers and writers, and strategies for study and comprehension, which support learning in all areas of the middle school curriculum. Field experiences required.

Credit Hours: 3

Additional Restrictions/Requirements: Admission to the Watson School of Education.
University Studies: Building Competencies/Writing Intensive, Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

EDN 439 - Field Studies in the Middle Grades (6-9)

Students will learn about and apply ideas about thematic instruction, teamwork, assessment, classroom management, legal and ethical issues, and parent/family/community involvement in middle level education. This course provides opportunities to extend understandings of the middle grades teacher as a professional in those areas. The course includes

extensive field experiences.

Credit Hours: 3

Corequisite Courses: Corequisite with at least one of the following: EDN 323, EDN 335, EDN 338, EDN 355.
Additional Restrictions/Requirements: Open only to Middle Grades Education majors.
Course Repeatability: Course may not be repeated.
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

Two content methods courses from:

EDN 323 - Teaching Mathematics in the Middle Grades (6-9)

This course examines the curriculum, materials, and methods appropriate for the teaching of mathematics at middle grade levels. There is an emphasis on problem-based instruction including the selection and implementation of high-level mathematics tasks and the teacher's facilitation of problem-solving, collaboration and discussion. Coursework includes field experience.

Credit Hours: 3

Corequisite Courses: EDN 439.
Prerequisite Courses: EDN 301 and EDN 318 and EDN 320 and EDN 352.
Additional Restrictions/Requirements: Prerequisite courses and 6 hours of mathematics.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

EDN 335 - Social Studies Education in the Middle Grades

This course examines the curriculum, materials, and methods appropriate for teaching social studies at middle grade levels. There is an emphasis inquiry-based instruction including social inquiry in the real world, analysis of sources to build arguments, and teaching methods related to historical events and social studies phenomena. Coursework includes field experience.

Credit Hours: 3

Corequisite Courses: EDN 439.
Prerequisite Courses: EDN 301 and EDN 318 and EDN 320 and EDN 352.
Additional Restrictions/Requirements: Prerequisite courses and 6 hours of social studies content.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

EDN 338 - The Teaching of Science (6-9)

This course includes a survey of curriculum and methods for teaching science in grades 6-9. There is an emphasis on scientific inquiry, topics that integrate learning across science disciplines, and the social implications of science and technology. Coursework includes field experience.

Credit Hours: 3

Corequisite Courses: EDN 439.
Prerequisite Courses: EDN 301 and EDN 318 and EDN 320 and EDN 352.
Additional Restrictions/Requirements: Prerequisite courses and basic studies science courses.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

EDN 355 - Language Arts Methods for the Middle Grades

Informed by current theory and research, this course examines developmentally appropriate curriculum, materials, assessments, and methods for the teaching of language arts at middle grades levels. The application of contemporary media and computer technology for the middle grades is incorporated. Coursework includes field experience.

Credit Hours: 3

Corequisite Courses: EDN 439.

Prerequisite Courses: EDN 301 and EDN 318 and EDN 320 and EDN 352 .
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

Academic Concentration:

An academic concentration of at least 24 semester hours is required. Academic concentrations may be chosen from one of the following four disciplines: Language Arts, Math, Science or Social Studies.

Language Arts

Students are encouraged to select courses from University Studies to fulfill requirements in both the Academic Concentration and the Additional Teaching Field.

Reading and Literature

Select 6 credit hours from the following:

ENG 211 - British Literature to 1800

A survey of representative British text from the Anglo-Saxon period through the eighteenth century. This course examines selections from an analytical and historical perspective.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives, Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

ENG 212 - British Literature Since 1800

A survey of representative British texts of the nineteenth and twentieth centuries. This course examines selections from an analytical and historical perspective.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives
Course Repeatability: Course may not be repeated.

ENG 223 - American Literature to 1870

A survey of representative texts from colonial and early America and of the Romantic era.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives, Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

ENG 224 - American Literature Since 1870

A survey of representative texts from the eras of American Realism and the twentieth century.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives, Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

ENG 225 - World Literature to 1600

A survey of representative works of world literature (excluding British and American writers), including both Western and non-Western works. Work from ancient times to approximately 1600.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives, Approaches and Perspectives/Living in a Global Society, Building Competencies/Writing Intensive, Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.

ENG 226 - World Literature Since 1600

A survey of representative works of world literature (excluding British and American writers), including both Western and non-Western works. 1600 to the present.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives, Approaches and Perspectives/Living in a

Global Society, Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

ENG 232 - African American Literature

Introduction to the African American literary tradition through a focus on genre, historical era, or major themes, such as nationalism, religion, or urban culture. Topics/historical periods may vary according to instructor.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives, Approaches and Perspectives/Living in Our Diverse Nation, Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

ENG 233 - The Bible as Literature

Study of types of Biblical literature, including narratives from the Old and New Testaments, sermons, parables, and poetry. Attention to the Bible as literature in itself

and as a source of symbols and allusions in Western culture.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives
Course Repeatability: Course may not be repeated.

ENG 290 - Themes in Literature

An interdisciplinary study of a significant theme, such as war and peace, justice, love, youth and age, focusing primarily on literary works but also drawing on sources from other fields, including art, music, and history. May be repeated under a different subtitle.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite:ENG 103 or ENG 201, or consent of instructor.
University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary

Perspectives, Building Competencies/Writing Intensive
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

Select 6 credit hours from the following:

ENG 303 - Reading and Writing Arguments

Instruction in rhetorical principles and their use in both analyzing and constructing persuasive texts.

Credit Hours: 3

University Studies: Building Competencies/Writing Intensive, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

ENG 337 - Victorian Literature

Study of representative texts from the Victorian era, 1830-1900, against the historical and cultural backdrop of urbanization, industrialism, and the rise of the British Empire. May include writers such as Tennyson, the Brownings, Arnold, the pre-Raphaelites, Dickens, Eliot, and Gaskell.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

ENG 350 - American Romanticism

Study of the major writers, 1820-1865, whose works fashioned a national literary identity known as the American Renaissance. May include such writers as Emerson, Thoreau, Hawthorne, Poe, Whitman, and Melville.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
Course Repeatability: Course may not be repeated.

ENG 356 - Indigenous American Literature

Study of past and present literatures of various Indigenous peoples of the Americas. May include oral

traditions, tales, poetry, fiction, drama, and song, as well as more recent engagements with digital and electronic media.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
University Studies: Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.

ENG 362 - Studies in the Novel

An in-depth exploration of the novel as a genre. Works may be from a variety of periods, writers, and traditions. May be repeated under a different subtitle.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite:ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.

Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6

ENG 381 - Literature for Young Adults

Advanced examination of literature for adolescents. Intended for anyone interested in adolescent literature and adolescent culture as well as for future teachers.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
Course Repeatability: Course may not be repeated.

ENG 382 - Ways of Teaching Literature

A survey of written, oral, visual, and dramatic responses to literary texts. Response-based approaches to the study of literature appropriate for middle and secondary teaching.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite:

ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
Course Repeatability: Course may not be repeated.

Language and Vocabulary

Select 6 hours from the following:

ENG 310 - Editing for Journalism and Mass Media

Instruction in revising, editing and copy editing. Techniques and strategies for getting prose ready for publication. Extensive practice in editing.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 204, or consent of instructor.
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
University Studies: Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

ENG 320 - Introduction to Linguistics

An introduction to the study of human language, including such topics as the sounds, structure, and meaning of language; language and social interaction; the ways languages change; and the ways children learn language.

Credit Hours: 3

University Studies: Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

ENG 321 - Structure of the English Language

Study of the grammatical structure of the English language and the process by which we create and comprehend English sentences. Emphasis on recent syntactic models.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

ENG 322 - Language and Meaning

Study of factors that shape meaning in verbal and nonverbal communication. Topics may include the language of persuasion, propaganda, and prejudice; language and culture; conversation and logic; and vernacular languages.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

ENG 323 - History of the English Language

The development of the English language from Old English to the present; changes in sounds, vocabulary, syntax, meaning, and spelling; formation of American dialects.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

ENG 324 - Topics in Linguistics

The study of a selected topic in human language. Content varies from semester to semester. May be repeated under a different subtitle.

Credit Hours: 3

Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6

ENG 325 - Studies in Sociolinguistics

ENG 204 or ENG 205 recommended but not required. An examination of the way language varies according to social characteristics such as age, gender, ethnicity, class, individual style, social networks, and language attitudes.

Credit Hours: 3

Prerequisite Courses: ENG 103 or ENG 200 or ENG 201
Course Repeatability: Course may not be repeated.

ENG 332 - Shakespeare's Early Plays and Poems

Study of selected plays written before 1600 and selected poems. Includes tragedies, comedies, and histories.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
Course Repeatability: Course may not be repeated.

ENG 333 - Shakespeare's Later Plays

A study of selected plays written after 1600. Includes tragedies, comedies, and histories.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
Course Repeatability: Course may not be repeated.

Writing, Speaking and Listening

Select 6 credit hours from the following:

ENG 202 - Introduction to Journalism

Introduction to news values, style, and writing. Focus is on writing news leads and news stories under deadline pressure. Also included: note taking, interviewing, and an introduction to feature writing.

Credit Hours: 3

Prerequisite Courses: ENG 103 or ENG 200 or ENG 201
Additional Restrictions/Requirements: Prerequisite courses or consent of instructor.
University Studies: Building Competencies/Writing Intensive, Building Competencies/Information Literacy, Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.

ENG 204 - Introduction to Professional Writing

An introductory survey of concepts in professional writing, including audience analysis, research methods, visual thinking, and composing processes. Includes a service-learning component.

Credit Hours: 3

University Studies: Building Competencies/Writing Intensive, Building Competencies/Information Literacy, Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.

ENG 205 - Introduction to Literary and Cultural Studies

An immersive introduction to literary and cultural studies, focusing on a single text. Students will learn how to write literary and cultural criticism, with an emphasis on interpretative methods, practical research skills, and discipline-specific conventions of citation.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor.
University Studies: Building Competencies/Writing Intensive, Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

ENG 302 - Journalism Workshop

Continuation of ENG 202. Focus is on gathering news from various community and campus sources and

writing in news style under deadline pressure. Also included: some attention to feature and editorial writing.

Credit Hours: 3

Prerequisite Courses: ENG 202
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.

ENG 304 - Writing for Teachers

Introduction to theories of composing, rhetoric, assessment, and literacy pedagogy for prospective teachers. Emphasis on analyzing student texts and engaging in various writing projects appropriate for professional development.

Credit Hours: 3

Prerequisite Courses: ENG 103 or ENG 200 or ENG 201
Course Repeatability: Course may not be repeated.

ENG 311 - Professional Magazine Writing

Writing of nonfiction prose intended for publication in newspapers, magazines, and journals.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 202, or consent of instructor.
Course Repeatability: Course may not be repeated.

CRW 201 - Introduction to Creative Writing

Introduction to the principles and techniques of creative writing, aimed at developing the creative process. Includes lectures, reading, and writing exercises in poetry, fiction, and creative nonfiction.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives
Course Repeatability: Course may not be repeated.

CRW 207 - Fiction Writing I: Invention and Story Craft

Instruction in writing fiction, including critical evaluation by instructor and class of students' original works. Students also critique and relate to their own work the fiction of relevant professional authors.

Credit Hours: 3

Prerequisite Courses: Prerequisite:CRW 201, or prerequisite/corequisite: CRW 203.
Course Repeatability: Course may not be repeated.

CRW 208 - Poetry Writing I: Image and Pattern

Instruction in writing poetry, including critical evaluation by instructor and class of students' original works. Students also critique and relate to their own work the poetry of relevant professional poets.

Credit Hours: 3

Prerequisite Courses: Prerequisite: CRW 201; prerequisite or corequisite: CRW 203.
Course Repeatability: Course may not be repeated.

CRW 209 - Creative Nonfiction I: Discovery and Story Craft

Instruction in writing creative nonfiction, including critical evaluation by instructor and class of students' original works. Students also critique and relate to their own work, the work of relevant professional authors.

Credit Hours: 3

Prerequisite Courses: Prerequisite: CRW 201; prerequisite or corequisite: CRW 203.
Course Repeatability: Course may not be repeated.

The English Department will allow ENG 200 as a prerequisite for courses listed with a prerequisite of ENG 201. Candidates may substitute 3 credit hours from a study abroad or an International Studies course.

Math

Required Courses

MAT 112 - Trigonometry

Topics from trigonometry and algebra review. Includes trigonometric functions, identities and equations. (No credit granted after the completion, with a grade of "C-" or better, of a mathematics course numbered 152 or higher.)

Credit Hours: 3

Prerequisite Courses: MAT 111 or MAT 150 or satisfactory performance on the UNCW mathematics placement test.
University Studies: Foundations/Mathematics and Statistics, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

MAT 141 - Concepts of Mathematics: Number, Operations, and Problem Solving

A conceptual examination of mathematics content that is aligned with elementary and middle grades curricula. Topics include the real number system and related operations.

Credit Hours: 3

University Studies: Common Requirements/Critical Reasoning, Foundations/Mathematics and Statistics
Course Repeatability: Course may not be repeated.

MAT 142 - Concepts of Mathematics: Geometry, Measurement, and Problem Solving

A conceptual examination of mathematics content that is aligned with elementary and middle grades curricula. Topics include geometry, measurement, probability, and data analysis.

Credit Hours: 3

University Studies: Foundations/Mathematics and Statistics, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

MAT 161 - Calculus with Analytical Geometry I

Calculus of a single variable intended for students in the mathematical and natural sciences. Functions and limits; differentiation with applications including maxima and minima, related rates, and approximations; theory of integration with applications; and transcendental

functions.

Credit Hours: 4

Prerequisite Courses: MAT 112 or MAT 160, or satisfactory performance on the UNCW mathematics placement test.
University Studies: Foundations/Mathematics and Statistics, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

MAT 243 - Concepts and Applications of Discrete Mathematics

An in-depth investigation of discrete mathematics topics identified as essential to teaching the elementary and middle grades curriculum. Topics include systematic listing and counting, vertex-edge graphs, and iteration and recursion. Students present written and oral arguments to justify conjectures and generalizations.

Credit Hours: 3

Prerequisite Courses: MAT 142 or MAT 161

Additional Restrictions/Requirements: Open only to majors or pre-majors in elementary, middle grades, special, or health and physical education, or consent of instructor.
Course Repeatability: Course may not be repeated.

MAT 346 - Historical Development of Mathematics

Development of mathematics from earliest systems to present century. Personalities involved with the contributions of each. A problem-study approach to give the student some training in research.

Credit Hours: 3

Corequisite Courses: MAT 275
Additional Restrictions/Requirements: Corequisite course or consent of instructor.
University Studies: Building Competencies/Writing Intensive, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

MAT 245 - Euclidean Geometry

A study of properties and relationships of shape, size, and symmetry in two and three dimensions. Topics include parallelism, transformations, congruence, similarity, measurement, and constructions. Students present written and oral arguments to justify conjectures and generalizations.

Credit Hours: 3

Prerequisite Courses: MAT 142 or MAT 161 or consent of instructor.
Additional Restrictions/Requirements: Open only to majors or pre-majors in elementary, middle school, special or health and physical education
Course Repeatability: Course may not be repeated.

MAT 345 - Modern College Geometry

Use of elementary methods in advanced study of the triangle and circle, special emphasis on solving original examples, comparison of Euclidean and non-Euclidean and projective geometries.

Credit Hours: 3

Prerequisite Courses: MAT 275
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

MAT 396 - Mathematical Explorations in Technology

Utilizing technology as an integrated tool to explore and visualize mathematical concepts and solve mathematics problems related to the school curriculum. Topics include functions, equations, geometry, data analysis, and mathematical modeling.

Credit Hours: 3

Corequisite Courses: MAT 275 or permission of instructor.
Additional Restrictions/Requirements: Open only to students with the major B.A. in Mathematics, Option 2 - Teacher Licensure in Mathematics, or B.A. in Middle Grades Education.
Course Repeatability: Course may not be repeated.

MAT 275 - Axiomatic Systems

Introduction to logic and mathematical proof with a focus on properties of the real number system. Elementary set theory, relations, functions, cardinality, algebraic and completeness properties of the reals and topics from axiomatic systems. Precision in the language of mathematics and rigor in proofs. Student presentations.

Credit Hours: 3

Prerequisite Courses: MAT 152 or MAT 161
Course Repeatability: Course may not be repeated.

STT 215 - Introduction to Statistics

Methods of data collection; numerical and graphical analyses of univariate and bivariate data; axioms of probability; conditional probability; independence; distributions of random variables; introduction to confidence intervals and hypothesis testing; simple linear regression and correlation; use of statistical software to analyze data and simulate random variables.

Credit Hours: 3

University Studies: Foundations/Mathematics and Statistics

Course Repeatability: Course may not be repeated.

* Candidates may substitute 3 credit hours from a study abroad or an International Studies course that has a demonstrated mathematics component.

Science

Required Courses (12 hours)

BIO 105 - Concepts of Modern Biology

Introduction to the diversity of life and the principles governing living systems, focusing on the role of humans in the natural world. Designed for the non-biology major. Employs multi-media instructional materials. The lab for this course is BIOL 105.

Credit Hours: 3

Prerequisite or Corequisite Courses: BIOL 105

University Studies: Building Competencies/Information Literacy, Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

CHM 101 - General Chemistry I

Overview of the fundamental laws, principles and theories of chemistry. A 'C' or better in CHM 101 is required to take certain advanced courses in chemistry.

Credit Hours: 3

Corequisite Courses: CHML 101.
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

CHML 101 - General Chemistry Laboratory I

Introduction to general chemistry laboratory techniques. This course is the lab companion course for general chemistry lecture CHM 101.

Credit Hours: 1

Corequisite Courses: CHM 101.
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

CHM 102 - General Chemistry II

Study of the fundamental laws, principles and theories of chemistry. Introduction to inorganic chemistry. Interpretation of experimental results. A 'C' or better in CHM 102 is required to take certain advanced courses in chemistry.

Credit Hours: 3

Corequisite Courses: CHML 102.
Prerequisite Courses: CHM 101 and CHML 101.
Course Repeatability: Course may not be repeated.

CHML 102 - General Chemistry Laboratory II

Introduction to techniques and equipment used in the chemical laboratory. Interpretation of experimental

results. This course is the lab for CHM 102 .

Credit Hours: 1

Corequisite Courses: CHM 102.
Prerequisite Courses: CHML 101, CHM 101.
Course Repeatability: Course may not be repeated.

Elective Courses* (6-13 hours)

BIO 150 - Humans and Ecology

Introduction to the principles of ecology including concepts of succession, biotic communities, biodiversity, limits on population growth and conservation of natural resources.

Credit Hours: 3

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

BIO 190 - Microbes and Human Society

Introduction to the world of the microorganism, focusing on the diversity, structure and function of microbial life, the spread and control of disease-producing organisms, and the impact of these life forms on human culture, history, and civilization.

Credit Hours: 3

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

BIO 201 - Principles of Biology: Cells

Introduction to principles governing living systems, especially the cellular and molecular basis of life and the transmission and utilization of genetic information. The lab for this course is BIOL 201.

Credit Hours: 3

Prerequisite or Corequisite Courses: BIOL 201
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural

World
Course Repeatability: Course may not be repeated.

BIO 202 - Principles of Biology: Biodiversity

Evolution, classification, and diversity of life, stressing morphology, physiology, principles of adaptation, and relationships between biotic and abiotic components of ecosystems. The lab for this course is BIOL 202.

Credit Hours: 3

Prerequisite or Corequisite Courses: BIOL 202
University Studies: Building Competencies/Information Literacy, Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

BIO 240 - Human Anatomy and Physiology I

Lecture must be taken concurrent with BIOL 240 . An introduction to the human organism with particular emphasis on maintenance of an internal steady state. Tissues, musculoskeletal, nervous, and endocrine systems are stressed. The lab for this course is BIOL

240.

Credit Hours: 3

Corequisite Courses: BIOL 240.
Prerequisite Courses: BIO 201 and CHM 101 and CHML 101.
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

EDN 426 - Island Ecology for Educators

Through interaction with resources and experts students will develop readily accessible, web-based materials through engagement in field based exploration of plants and animals of coastal ecosystems and environmental issues. This course focuses on both science content and pedagogical resource development.

Credit Hours: 3

Crosslisting: EVS 426
Course Repeatability: Course may not be repeated.

EVS 195 - Introduction to Environmental Sciences

Interdisciplinary introduction to the scope and application of environmental sciences. Emphasis on integrated analysis of environmental principles and discussions centering on current environmental problems. The lab for this course is EVSL 195.

Credit Hours: 3

Additional Restrictions/Requirements: EVS 195 and EVSL 195 may be taken in different semesters.
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

GGY 230 - Introduction to Weather and Climate

Examination of general climatic characteristics through space and time, especially as influenced by controls

upon temperature, wind and moisture distributions, and by planetary, regional and local atmospheric disturbances.

Credit Hours: 3

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

GLY 101 - Earth Revealed

An introduction to Geology covering fundamental topics including plate tectonics, geologic time, and Earth materials with emphasis on how geology affects the natural environment, controls distribution of natural resources, and poses risks to humans. Contemporary issues covered include natural resource use (water, energy), geohazards, coastal processes, and climate change.

Credit Hours: 3

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World, Living in a Global Society
Course Repeatability: Course may not be repeated.

GLY 135 - Prehistoric Life

Introduction to the field of paleontology and the fossil record; the succession of life from its earliest beginnings through the Age of Dinosaurs to modern Man; evolutionary, environmental and ecological analyses of fossil plants and animals based on biologic and geologic principles.

Credit Hours: 3

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

PHY 101 - Elementary College Physics I

First semester of a two semester algebra-based introduction to the fundamental principles of physics. Topics include kinematics, Newtonian statics and

dynamics, gravitation, oscillations, and mechanical waves.

Credit Hours: 4

Prerequisite or Corequisite Courses: MAT 111 or MAT 112 or MAT 150 or MAT 151 or MAT 160 or MAT 161
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

PHY 102 - Elementary College Physics II

Second semester of a two semester algebra-based introduction to the fundamental principles of physics. Topics include electric and magnetic fields, circuits, electromagnetic waves, and optics.

Credit Hours: 4

Prerequisite Courses: PHY 101
Course Repeatability: Course may not be repeated.

PHY 103 - Great Ideas in Physics

Introduces the nature of science to the nonscientist by emphasizing the concepts underlying four great ideas in physics: the conservation of energy, the second law of thermodynamics, the relativity of time, and the wave-particle duality of nature. Explores the mutual influence of science and the humanities (literature, philosophy, history, and the arts).

Credit Hours: 3

Course Repeatability: Course may not be repeated.

PHY 111 - Naked-eye Astronomy and Archaeoastronomy

Detailed knowledge of the motions of the sun, moon, planets, and stars is used to understand ancient skywatching techniques, calendars, celestial lore, sky mythology, cosmological concepts and traditions; the impact of astronomy on the architecture, city planning and cultures of prehistoric societies: ancient European (Stonehenge), Babylonian, Egyptian, Mesoamerican, and Native North American. Occasional night viewings.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

PHY 260 - Introduction to Astronomy

Descriptive course in principles, theories, and techniques of astronomy. Occasional night viewings.

Credit Hours: 3

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

* Candidates may substitute 3 credit hours from a study abroad or an International Studies course that has a demonstrated science component.

Social Studies

Required US History Courses (6 hours)

HST 105 - United States to 1865

American history from the pre-colonial period to the beginning of Reconstruction. Examines the impact of the country's cultural diversity through the study of the arts, law, politics, war, religion, technology, immigration, and the emergence of regional economic systems.

Credit Hours: 3

University Studies: Approaches and Perspectives/Historical and Philosophical Approaches, Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.

HST 106 - United States from 1865 to Present

The history of the United States since the Civil War. Examines the development of American political, social, and cultural systems, foreign policy, and the emergence of the United States as a world power.

Credit Hours: 3

University Studies: Approaches and Perspectives/Historical and Philosophical Approaches, Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.

Global Content (Academic Concentration - select 9 hours, Additional Teaching Field - select 6 hours)

At least 3 hours must be GGY.

ANT 312 - Collapse. The Fall of Complex Civilizations

A sampler of political and systemic collapses over the course of world history, applying theories of collapse to case studies including Easter Island, Mesopotamia, the Maya, and Rome. Evaluation of various theories explaining collapses and their relation to contemporary political trends and imperatives.

Credit Hours: 3 To 6

University Studies: Building Competencies/Writing

Intensive, Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

GGY 101 - Modern World Geography

The theory, techniques, and professional applications of modern geographic science. Examines geography as a broad interdisciplinary science focused on places, spatial patterns, and the intersection between human activities and the natural world. Includes discussion of the historical origins and modern relevance of geographic thought.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

GGY 180 - World Regional Geography

Regional survey of historical, physical, economic, and cultural geography of world regions. Fundamental locational geography as the foundation for a clear world

view and an understanding of global interdependence.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

GGY 215 - The Digital Globe

Introduction to the maps, data, and methods commonly used by geographers to investigate spatial relationships from local to global scales. Includes the examination of geography as a discipline whereby human and physical environments are spatially explored.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in a Global Society, Building Competencies/Information Literacy, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

GGY 220 - Cartography and Data Visualization

Introduction to fundamental cartographic and geospatial data visualization principles that provide students the ability to describe, generate, and evaluate relevant products (maps, graphs, charts). The course uses examples from physical geography and human landscapes to practice the principles defined in the Essential Body of Knowledge used in geospatial professions.

Credit Hours: 3

Prerequisite Courses: GGY 130 or GGY 101
University Studies: Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

GGY 340 - Global Change: Population, Resources, and the Environment

Introduction to the four major driving forces of global change: demographic trends, natural resource use, climate change, and globalization. Explores the role of economic and cultural development and analyzes regional patterns that result in the unique manifestations of global change.

Credit Hours: 3

Prerequisite Courses: GGY 130 or GGY 101 or GGY 180, or consent of instructor.
Course Repeatability: Course may not be repeated.

GGY 435 - Environmental Geography

A systems approach to understanding past, present and future human impacts on the natural environment, including changes and impacts on the hydrosphere, atmosphere, biosphere, geosphere and cryosphere. A team-based learning experience emphasizing socio-environmental synthesis and concept application through a series of case studies discussion.

Credit Hours: 3

Prerequisite Courses: GGY 321 or consent of instructor
University Studies: Building Competencies/Writing Intensive
Crosslisting: GGY 535
Course Repeatability: Course may not be repeated.

HST 102 - Europe in the World II

Introduction to modern European history. Examination of Europe's transformations and global interactions through the discussion of significant events, groups, and individuals that contributed to developments such as the French Revolution and the rise of democracy, the Industrial Revolution and the modern economy, world wars and dictatorships.

Credit Hours: 3

University Studies: Approaches and Perspectives/Historical and Philosophical Approaches, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

HST 103 - Introduction to Global History 1500-1848

The political, economic, cultural, religious, and environmental processes that transformed the world between 1500 and 1848. Examines the Columbian (biological) Exchange, formation of colonial empires, expansion of global religions, and emergence of global

trade and slave trade.

Credit Hours: 3

University Studies: Approaches and Perspectives/Historical and Philosophical Approaches, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

HST 104 - Introduction to Global History Since 1848

Historical events, peoples, and places as well as the transformation of global systems. Examines the effects of industrialization, imperialism, nationalism, world wars, the Cold War, communism, and globalization on contemporary societies.

Credit Hours: 3

University Studies: Approaches and Perspectives/Historical and Philosophical Approaches, Approaches and Perspectives/Living in a Global

Society
Course Repeatability: Course may not be repeated.

HST 270 - Global Issues in Historical Perspective

Selected themes and events in international or global history, with particular attention to cultural, intellectual, and/or economic exchanges between the 'West' and the wider world. Topics include: Society and the Supernatural, International Slave Trade. May be repeated under different subtitles.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in a Global Society, Approaches and Perspectives/Historical and Philosophical Approaches
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

HST 305 - The Ancient Near East

An intensive political and cultural study of ancient Babylonian, Egyptian, and other Near Eastern

civilizations.

Credit Hours: 3

Additional Restrictions/Requirements: Any HST course or consent of instructor.
Course Repeatability: Course may not be repeated.

HST 306 - Ancient Greece and Rome

A study of the civilization of ancient Greece and Rome with special emphasis on the Greek classical period and the Pax Romana.

Credit Hours: 3

Additional Restrictions/Requirements: Any HST course or consent of instructor.
Course Repeatability: Course may not be repeated.

OCN 250 - Coasts and Society

Variability of coastal landforms, the processes that shape them, problems brought about by natural and anthropogenic changes, and the role of culturally-based perceptions on valuation and management of coastal

systems. Focus on coastal environments of populated continents and island nations including barrier islands, rocky coasts, dunes, estuaries, marshes and deltas.

Credit Hours: 3

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World, Approaches and Perspectives/Living in a Global Society, Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

Civics, Culture, and Economics Electives (Academic Concentration - select 9 hours, Additional Teaching field - select 6 hours)

ANT 206 - Cultural Anthropology

A presentation of the content and historical development of cultural anthropology. Deals with the cultural relativism, ethnocentrism, institutional analysis and cultural integration and shifts in theoretical perspectives by comparing ethnographies of selected cultures.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

ECN 125 - Survey of Economics

An introduction to economics principles for non-business and non-economics majors. Current analysis rather than theoretical analysis is utilized to present and show the relevance of economics principles. (Not open to students who have earned credit for either ECN 221 or ECN 222.)

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.

ECN 221 - Principles of Economics-Micro

Analysis of decision-making processes and economic equilibrium for the individual firm and consumer at an introductory level.

Credit Hours: 3

Prerequisite Courses: MAT 111 or MAT 150 or MAT 151 or MAT 160 or MAT 161
University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

ECN 222 - Principles of Economics-Macro

Aggregate economic analysis examining the effects of fiscal and monetary policy upon aggregate employment, income and prices at an introductory level.

Credit Hours: 3

Prerequisite Courses: ECN 221
University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.

ECN 250 - Capitalism and the Global Market

An introduction to the history of capitalism, the current global market society, and the ethics of capitalism.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.

ECN 326 - Comparative Economic Systems

Analysis of economic systems operating under capitalism, socialism, communism, and fascism; institutions and organization of production and government; decision-making; distribution of income; problems of developing nations.

Credit Hours: 3

Prerequisite Courses: ECN 125 or ECN 222.
Additional Restrictions/Requirements: Prerequisite courses and either admission to Cameron School of Business or declared minor in economics.

University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

HST 358 - The United States Since 1945

Developments in American politics, cultural life, civil rights, and foreign policy from the time of the Truman Administration to the present.

Credit Hours: 3

Additional Restrictions/Requirements: Any HST course or consent of instructor.
Course Repeatability: Course may not be repeated.

PAR 205 - American Philosophy

A survey of American philosophical thought from colonial times to the present. Readings from such American thinkers as Jonathan Edwards, the Federalist authors, Thoreau, James, Dewey and Quine.

Credit Hours: 3

University Studies: Approaches and

Perspectives/Historical and Philosophical Approaches, Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.

PAR 230 - Judaism, Christianity, and Islam

Survey of the history of Judaism, Christianity, and Islam from their origins in the Middle East over 3,500 years ago to their diverse practices, scriptures, art, and communities around the world today.

Credit Hours: 3

University Studies: Approaches and Perspectives/Historical and Philosophical Approaches, Approaches and Perspectives/Living in a Global Society, Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

PLS 101 - American National Government

Survey of basic principles, institutions and functions such as federalism, separation of powers, civil liberties and rights, judicial review, public opinion, political parties, elections and interest groups.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.

PLS 111 - Politics and Government in Global Perspective

Survey for non-majors of politics and governmental institutions within and among nation states. Attention will also be given to the role of political theory and ideology in the governance of states.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

PLS 202 - Contemporary American Political Issues

Important political issues and their relationship to the overall American political process. Topics are selected from, but not limited to: education policy; health care policy; federal deficit and debt policy; and minorities and politics.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.

PLS 217 - Ethics and Leadership in Public Life

Exploration of what it means to act responsibly and with integrity in public life in an environment of shared powers and competing values. Case studies, journals, role plays and film are used to illustrate concepts.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

PLS 222 - Contemporary International Political Issues

Important international political issues and their impact on the political processes among the nations of the world. Topics are selected from, but not limited to: the role of the United Nations; environmental policy; separatism and nationalism; religious conflict and international order; terrorism; and economic development.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

PLS 230 - Introduction to Comparative Government and Politics

Comparative analysis of political systems in developed, second- and third-world nations, including an examination of the foundations and structures of selected national governments, such as parliamentary and presidential systems, democratic and non-democratic systems.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

SOC 215 - Modern Social Problems

Contemporary social issues and conditions viewed as problematic, such as racism, sexism, crime, poverty, war, alienation, and deviance.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

*Candidates may substitute 3 credit hours from a study abroad or an International Studies course that has a demonstrated Social Studies component.

Additional Teaching Field

An additional teaching field of at least 18 credit hours is required. Additional teaching fields may be chosen from one of the following four disciplines: Language Arts, Math, Science or Social Studies. Students are encouraged to select courses from University Studies

to fulfill requirements in both the Academic Concentration and the Additional Teaching Field.

Language Arts - 18 hours

Select 18 hours from the academic concentration. At least 3 credit hours must come from each category: Reading and Literature (1 course from each section), Language and Vocabulary, and Writing, Speaking and Listening.

Mathematics - 18 hours

Select from courses listed in the academic concentration. 9 hours should be at the 200-300 level.

Science - 18 hours

Complete required courses (BIO 105, CHM 101, CHML 101 and CHM 102, CHML 102) and select 6 hours from the elective courses listed in the academic concentration.

Social Studies - 18 hours

Select from: 6 hours of U.S. History, 6 hours of Global content, and 6 hours of Civics, Culture, and Economics electives.

Professional Semester:

EDN 411 - Student Teaching (K-6; 6-9)

A full-time practicum experience within the area of specialization. Students will engage in a variety of supervised instructional activities, assuming an increasing amount of responsibility for all phases of classroom instruction. Practicum are offered in the areas of elementary education (K-6), middle grades education (6-9), and special education.

Credit Hours: 12

Corequisite Courses: For elementary education majors, EDN 413 and EDN 419 .
Additional Restrictions/Requirements: All courses in the professional core and specialty areas appropriate for the concentration for K-6, 6-9 majors and a 2.70 GPA on all work attempted at UNCW.
University Studies: Explorations Beyond the Classroom, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

Professional Semester (Non-Licensure option)

Requires program approval

EDN 467 - Non-Licensure Practicum

Must receive program approval to enroll. A supervised practicum experience working with children and/or their families in a school or community setting. Designed for students who are completing a degree in education without earning licensure, this practicum promotes integration of the knowledge, skills, and dispositions required to be an effective educator. The practicum placement is selected to be consistent with the student's career goals. Placement and field hours must be approved by the instructor. This course does not fulfill the requirements for North Carolina teacher licensure.

Credit Hours: 6 to 12

Additional Restrictions/Requirements: Admission to

Watson College of Education and consent of instructor. Must receive full program approval to enroll. Not guaranteed. Does not result in licensure (licensure test requirement waived for elementary majors).

University Studies: Explorations Beyond the Classroom, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.
Additional Course Fee Schedule

Note:

Students wishing to pursue teacher preparation programs must be formally admitted to the Watson College of Education and to the Teacher Education Program. Students in all programs should consult their advisors for admission procedures and for a list of courses requiring Watson College admissions. A grade of "C-" or better is required in education courses, as well as all courses in the interdisciplinary specialty and the professional semester. Students may repeat courses in which they earn a grade lower than a "C-" only with the permission of the dean of the Watson College of Education. A cumulative grade point

average of 2.70 is required for the practicum semester.

Music Education, B.M.

Oral Communication Requirement:

To satisfy the oral communication requirement for the B.A. in Music and the B.M. in Music Education a student must successfully complete MUS 285 or MUS 496.

Computer Requirement:

To satisfy the computer requirement for the B.A. degree in Music and the B.M. in Music Education a student must successfully complete MUS 110.

Applied Learning Requirement:

To satisfy the applied learning requirement for the B.A. degree in Music and the B.M. degree in Music Education a student must successfully complete either EDN 409 or MUS 493 or MUS 496.

Core Requirements Common to all Music Curricula (22 credit hours):

MUS 110 - Introduction to Music Technology

Overview of music technology for the music major. Introduction to Digital Audio Workstation environments, basic MIDI sequencing, and traditional notation software.

Credit Hours: 1

Course Repeatability: Course may not be repeated.

MUS 111 - Theory I

An in-depth study of the basic material of music, including notation of pitch and rhythm, intervals, scales and modes, key signatures, and triads. The lab for this course is MUSL 111.

Credit Hours: 2

Corequisite Courses: ["MUSL 111"]
Additional Restrictions/Requirements: Corerequisite course; Theory Placement test required.
University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary

Perspectives
Course Repeatability: Course may not be repeated.

MUSL 111 - Aural Skills and Sight-Singing I

Includes melodic, harmonic and rhythmic dictation and sight-singing using the materials introduced in MUS 111. This course is the lab for MUS 111.

Credit Hours: 1

Corequisite Courses: ["MUS 111"]
Course Repeatability: Course may not be repeated.

MUS 112 - Theory II

A study of tonality, triads in inversion, phrase structure and cadences, harmonic progression, the technique of harmonization, and non-harmonic tones. The lab for this course is MUSL 112.

Credit Hours: 2

Corequisite Courses: ["MUSL 112"]
Prerequisite Courses: MUS 111 with a minimum

grade of C-
Course Repeatability: Course may not be repeated.

MUSL 112 - Aural Skills and Sight-Singing II

Includes melodic, harmonic, and rhythmic dictation, and sight-singing using the materials introduced in MUS 112. This course is the lab for MUS 112.

Credit Hours: 1

Corequisite Courses: ["MUS 112"]
Prerequisite Courses: MUSL 111
Course Repeatability: Course may not be repeated.

MUS 150 - Introduction to Music Listening

Guided listening to representative works from Western classical, jazz, popular, and global music traditions. Development of ability to describe elements of compositions and style using basic musical vocabulary. Concert attendance required in addition to the regular class meeting time.

Credit Hours: 1

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives
Course Repeatability: Course may not be repeated.

MUS 211 - Theory III

A study of the musical process as observed in the literature of the common practice period. Based upon both structural and functional analyses as well as problem solving and controlled composition exercises. Includes secondary dominants, chromatic approach to chords and the concept of modulation. The lab for this course is MUSL 211.

Credit Hours: 2

Corequisite Courses: ["MUSL 211"]
Prerequisite Courses: MUS 112
Course Repeatability: Course may not be repeated.

MUSL 211 - Aural Skills and Sight-Singing III

Includes melodic, harmonic, and rhythm dictation, and sight-singing using the materials introduced in MUS 211. This course is the lab for MUS 211.

Credit Hours: 1

Corequisite Courses: ["MUS 211"]
Prerequisite Courses: MUSL 112
Course Repeatability: Course may not be repeated.

MUS 285 - Conducting I

Conducting techniques, score-reading skills, issues of interpretation, rehearsal techniques, and associated terminology.

Credit Hours: 2

Prerequisite Courses: MUS 300 and MUSL 300
Additional Restrictions/Requirements: Prerequisite courses and passing the appropriate piano proficiency examination.
Course Repeatability: Course may not be repeated.

MUS 300 - Theory IV

A survey of post-tonal music and techniques of the 20th and 21st centuries.

The lab for this course is MUSL 300.

Credit Hours: 2

Corequisite Courses: ["MUSL 300"]
Prerequisite Courses: MUS 211
Course Repeatability: Course may not be repeated.

MUSL 300 - Aural Skills and Sight-Singing IV

Dictation and transcription problems, sight-singing of choral and instrumental works. This course is the lab for MUS 300.

Credit Hours: 1

Corequisite Courses: ["MUS 300"]
Prerequisite Courses: MUSL 211
Course Repeatability: Course may not be repeated.

MUS 351 - Introduction to Music History I: Middle ages - Classical Periods

Overview of music history and literature, stressing the stylistic developments of music and related social and historical events of the Middle Ages, Renaissance,

Baroque and Classical periods.

Credit Hours: 3

Prerequisite Courses: MUS 150
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
University Studies: Approaches and Perspectives/Historical and Philosophical Approaches, Building Competencies/Writing Intensive, Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

MUS 352 - Introduction to Music History II: Romantic-Contemporary Periods

Overview of music history and literature, stressing the stylistic developments of music and related social and historical events of the Romantic and Contemporary periods.

Credit Hours: 3

Prerequisite Courses: MUS 150
Additional Restrictions/Requirements: Prerequisite

course or consent of instructor.
University Studies: Approaches and Perspectives/Historical and Philosophical Approaches, Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

Core Music Ensemble:

Music Education majors are required to be in at least one large music ensemble appropriate to the student's concentration (MUS 180, MUS 183, MUS 184, MUS 185, MUS 186, MUS 187) during each semester they are in residence, excepting the student teaching semester (7 hours). Keyboard and guitar students may substitute up to 4 hours from MUS 130, MUS 182. Only one large ensemble per semester may be credited toward the degree.

In addition, no credit toward music major requirements will be granted for MUS 105, MUS 106 and/or MUS 115.

Bachelor of Music in Music Education: 82-85 hours

1. Music Core Requirements: 28 hours (see above).
2. Performance Core: 8 hours.

3. Concentration: 18-21 hours in music.
4. Watson College of Education: 19 hours.
5. FNA 101 and PSY 105 as University Studies electives.
6. MUS 284 Foundations of Music Education

Performance Core: 7 hours

- 7 hours (7 semesters) of applied music in the major applied instrument (MUS 196, MUS 396) with not less than 3 hours (3 semesters) at the 300 level.

Additional Information:

All music majors must pass the piano proficiency examination and the listening repertory examinations, as described in the latest edition of the *Department of Music Student Handbook.* All students are expected to make regular progress toward completion of those requirements. Students are required to enroll in, and successfully complete MUS 242 (1 credit hour) in order to pass the piano proficiency (piano majors may substitute a secondary applied in lieu of MUS 242.)

Concentrations:

Wind and percussion majors: 19 hours

MUS 244 - Instrumental Techniques I

Basic playing technique on woodwind, brass, and percussion instruments.

Credit Hours: 1

Additional Restrictions/Requirements: Two semesters of applied music study.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 1

MUS 245 - Instrumental Techniques II

Basic playing technique on woodwind, brass, and percussion instruments.

Credit Hours: 1

Additional Restrictions/Requirements: Two semesters of applied music study.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 1

MUS 286 - Conducting II

More advanced conducting techniques, score-reading skills, issues of interpretation, rehearsal techniques, and associated terminology.

Credit Hours: 2

Prerequisite Courses: MUS 285
Course Repeatability: Course may not be repeated.

MUS 306 - Orchestration and Arranging

Techniques of transcribing, arranging, and scoring music for various vocal and instrumental combinations.

Credit Hours: 2

Prerequisite Courses: MUS 300 and MUSL 300
Course Repeatability: Course may not be repeated.

MUS 320 - Pedagogy for Beginning Band Instruments

Principles for teaching woodwind, brass, and percussion instruments to beginners. Field experience required.

Credit Hours: 2

Prerequisite Courses: MUS 244 and MUS 245
Course Repeatability: Course may not be repeated.
Additional Course Fee Schedule

MUS 325 - Jazz Ensemble Techniques

Basic rehearsal techniques and methods for developing and directing a high school jazz ensemble. Lecture format and practical conducting experience with one of the university's jazz ensembles.

Credit Hours: 1

Prerequisite Courses: MUS 285
Course Repeatability: Course may not be repeated.

MUS 326 - General Music Methods

Methodology for teaching music in the classroom; lesson planning; computer applications; music textbooks and materials for K-12. The lab for this course is MUSL 326.

Credit Hours: 3

Corequisite Courses: MUSL 326.
Prerequisite Courses: MUS 284
Additional Restrictions/Requirements: Admission to the Watson College of Education or permission of instructor.
Course Repeatability: Course may not be repeated.
Major Restriction Bachelor of Music Education

MUSL 326 - Field Experience in General Music

Lab course designed to provide supervised field experiences in general music with public school students. Observation and reflection; application of pedagogy. This course is the lab for MUS 326.

Credit Hours: 1

Corequisite Courses: ["MUS 326"]
Course Repeatability: Course may not be repeated.
Additional Course Fee Schedule

MUS 331 - Measurement and Evaluation in Music Education

Development of learning outcomes. Measurements of musical behaviors, test construction, interpretation of data and results.

Credit Hours: 1

Prerequisite Courses: MUS 326 and (MUS 373 or MUS 377)
Course Repeatability: Course may not be repeated.

MUS 373 - Instrumental Methods

Methodology for teaching instrumentalists in an ensemble setting from upper elementary through high school level. Rehearsal planning and procedure, materials, computer applications, and basic marching band techniques. The lab for this course is MUSL 373.

Credit Hours: 3

Corequisite Courses: MUSL 373.
Prerequisite Courses: MUS 284.
Additional Restrictions/Requirements: Admission to the Watson College of Education or permission of instructor.

Course Repeatability: Course may not be repeated.
Major Restriction Bachelor of Music Education

MUSL 373 - Field Experience in Instrumental Music

Supervised instrumental music field experiences with public school students. Observation and reflection; application of pedagogy. This course is the lab for MUS 373.

Credit Hours: 1

Corequisite Courses: ["MUS 373"]
Course Repeatability: Course may not be repeated.
Additional Course Fee Schedule

MUS 393 - Junior Recital

A performance of at least 20 minutes of repertoire selected from the appropriate levels of difficulty.

Credit Hours: 1

Additional Restrictions/Requirements: Consent of faculty.

Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 2 **Repeat Limit:** 1

MUS 185 - Symphonic Band

The Symphonic Band is an outstanding ensemble consisting of highly talented woodwind, brass and percussion players, including both music majors and non-music majors. Enrollment is open to all UNCW students with previous instrumental experience and the necessary skills to perform on a wind or percussion instrument. Three rehearsal hours per week and typically two concerts each semester. May be repeated for credit.

Credit Hours: 1

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

String majors: 19 hours

MUS 243 - String Class

Basic technique on violin, viola, cello, and string bass.

Credit Hours: 1

Additional Restrictions/Requirements: Consent of instructor.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 1

MUS 244 - Instrumental Techniques I

Basic playing technique on woodwind, brass, and percussion instruments.

Credit Hours: 1

Additional Restrictions/Requirements: Two semesters of applied music study.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 1

MUS 245 - Instrumental Techniques II

Basic playing technique on woodwind, brass, and percussion instruments.

Credit Hours: 1

Additional Restrictions/Requirements: Two semesters of applied music study.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 1

MUS 286 - Conducting II

More advanced conducting techniques, score-reading skills, issues of interpretation, rehearsal techniques, and associated terminology.

Credit Hours: 2

Prerequisite Courses: MUS 285
Course Repeatability: Course may not be repeated.

MUS 306 - Orchestration and Arranging

Techniques of transcribing, arranging, and scoring music for various vocal and instrumental combinations.

Credit Hours: 2

Prerequisite Courses: MUS 300 and MUSL 300
Course Repeatability: Course may not be repeated.

MUS 320 - Pedagogy for Beginning Band Instruments

Principles for teaching woodwind, brass, and percussion instruments to beginners. Field experience required.

Credit Hours: 2

Prerequisite Courses: MUS 244 and MUS 245
Course Repeatability: Course may not be repeated.
Additional Course Fee Schedule

MUS 326 - General Music Methods

Methodology for teaching music in the classroom; lesson planning; computer applications; music textbooks and materials for K-12. The lab for this course is MUSL 326.

Credit Hours: 3

Corequisite Courses: MUSL 326.

Prerequisite Courses: MUS 284
Additional Restrictions/Requirements: Admission to the Watson College of Education or permission of instructor.
Course Repeatability: Course may not be repeated.
Major Restriction Bachelor of Music Education

MUSL 326 - Field Experience in General Music

Lab course designed to provide supervised field experiences in general music with public school students. Observation and reflection; application of pedagogy. This course is the lab for MUS 326.

Credit Hours: 1

Corequisite Courses: ["MUS 326"]
Course Repeatability: Course may not be repeated.
Additional Course Fee Schedule

MUS 331 - Measurement and Evaluation in Music Education

Development of learning outcomes. Measurements of musical behaviors, test construction, interpretation of data and results.

Credit Hours: 1

Prerequisite Courses: MUS 326 and (MUS 373 or MUS 377)
Course Repeatability: Course may not be repeated.

MUS 373 - Instrumental Methods

Methodology for teaching instrumentalists in an ensemble setting from upper elementary through high school level. Rehearsal planning and procedure, materials, computer applications, and basic marching band techniques. The lab for this course is MUSL 373.

Credit Hours: 3

Corequisite Courses: MUSL 373.
Prerequisite Courses: MUS 284.
Additional Restrictions/Requirements: Admission to the Watson College of Education or permission of instructor.
Course Repeatability: Course may not be repeated.
Major Restriction Bachelor of Music Education

MUSL 373 - Field Experience in Instrumental Music

Supervised instrumental music field experiences with public school students. Observation and reflection; application of pedagogy. This course is the lab for MUS 373.

Credit Hours: 1

Corequisite Courses: ["MUS 373"]
Course Repeatability: Course may not be repeated.
Additional Course Fee Schedule

MUS 393 - Junior Recital

A performance of at least 20 minutes of repertoire selected from the appropriate levels of difficulty.

Credit Hours: 1

Additional Restrictions/Requirements: Consent of faculty.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 2 **Repeat Limit:** 1

MUS 187 - Orchestra

Study and performance of the orchestral literature; meets a minimum of two hours per week and gives two or three performances per semester. Section 001 is the Wilmington Symphony Orchestra, membership by audition only; Section 002 is the UNCW String Ensemble, open to UNCW students without audition. May be repeated for credit.

Credit Hours: 1

Additional Restrictions/Requirements: Audition and consent of director.
University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

Vocal majors: 21 hours

MUS 272 - Italian and German Diction for Singers

Italian and German phonetics, principles of lyric diction and sound production, and the international phonetic alphabet as it applies to Italian and German. General principles applicable to diverse periods, styles, and genres of "classical" vocal music set with Italian or German texts.

Credit Hours: 2

Additional Restrictions/Requirements: Consent of instructor.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 2

MUS 273 - French and English Diction for Singers

French and English phonetics, principles of lyric diction and sound production, and the international phonetic alphabet as it applies to French and English. General principles applicable to diverse periods, styles, and genres of "classical" vocal music set with French or English texts.

Credit Hours: 2

Additional Restrictions/Requirements: Consent of instructor.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 2

MUS 286 - Conducting II

More advanced conducting techniques, score-reading skills, issues of interpretation, rehearsal techniques, and associated terminology.

Credit Hours: 2

Prerequisite Courses: MUS 285
Course Repeatability: Course may not be repeated.

MUS 306 - Orchestration and Arranging

Techniques of transcribing, arranging, and scoring music for various vocal and instrumental combinations.

Credit Hours: 2

Prerequisite Courses: MUS 300 and MUSL 300
Course Repeatability: Course may not be repeated.

MUS 326 - General Music Methods

Methodology for teaching music in the classroom; lesson planning; computer applications; music textbooks and materials for K-12. The lab for this course is MUSL 326.

Credit Hours: 3

Corequisite Courses: MUSL 326.
Prerequisite Courses: MUS 284
Additional Restrictions/Requirements: Admission to the Watson College of Education or permission of instructor.
Course Repeatability: Course may not be repeated.
Major Restriction Bachelor of Music Education

MUSL 326 - Field Experience in General Music

Lab course designed to provide supervised field experiences in general music with public school students. Observation and reflection; application of pedagogy. This course is the lab for MUS 326.

Credit Hours: 1

Corequisite Courses: ["MUS 326"]
Course Repeatability: Course may not be repeated.
Additional Course Fee Schedule

MUS 331 - Measurement and Evaluation in Music Education

Development of learning outcomes. Measurements of musical behaviors, test construction, interpretation of data and results.

Credit Hours: 1

Prerequisite Courses: MUS 326 and (MUS 373 or MUS 377)
Course Repeatability: Course may not be repeated.

MUS 370 - Pedagogy and Literature I

Materials, methods, literature, and skills for teaching the beginning through early intermediate-level private student, particularly in the individual studio setting. Business aspects of setting up a teaching studio. Faculty supervision of required practical field experience.

Credit Hours: 3

Additional Restrictions/Requirements: Consent of instructor.
Course Repeatability: Course may not be repeated.

MUS 377 - Choral Methods

Goals, objectives, methodology, and assessment procedures for teaching choral music. Topics may include repertoire and programming, learning theory applied to choral rehearsal, group vocal training techniques, rehearsal procedures, and program management strategies. The lab for this course is MUSL 377.

Credit Hours: 3

Corequisite Courses: MUSL 377.
Prerequisite Courses: MUS 284.
Additional Restrictions/Requirements: Admission to the Watson College of Education or permission of instructor.
Course Repeatability: Course may not be repeated.
Major Restriction Bachelor of Music Education

MUSL 377 - Field Experience in Choral Music

Supervised choral music field experiences with public school students. Observation and reflection; application of pedagogy. This course is the lab for MUS 377.

Credit Hours: 1

Corequisite Courses: ["MUS 377"]
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 1
Additional Course Fee Schedule

MUS 393 - Junior Recital

A performance of at least 20 minutes of repertoire selected from the appropriate levels of difficulty.

Credit Hours: 1

Additional Restrictions/Requirements: Consent of faculty.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 2 **Repeat Limit:** 1

MUS 186 - University Chorale

Singers study and perform repertoire of various historical periods and styles appropriate for large chorus. May be repeated for credit.

Credit Hours: 1

Additional Restrictions/Requirements: Auditions and consent of director.
University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12 **Repeat Limit:** 11

Piano and Guitar majors: 18-19 hours

MUS 272 - Italian and German Diction for Singers

Italian and German phonetics, principles of lyric diction and sound production, and the international phonetic alphabet as it applies to Italian and German. General principles applicable to diverse periods, styles, and genres of "classical" vocal music set with Italian or German texts.

Credit Hours: 2

Additional Restrictions/Requirements: Consent of instructor.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 2

MUS 273 - French and English Diction for Singers

French and English phonetics, principles of lyric diction and sound production, and the international phonetic alphabet as it applies to French and English. General principles applicable to diverse periods, styles, and genres of "classical" vocal music set with French or English texts.

Credit Hours: 2

Additional Restrictions/Requirements: Consent of instructor.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 2

MUS 286 - Conducting II

More advanced conducting techniques, score-reading skills, issues of interpretation, rehearsal techniques, and associated terminology.

Credit Hours: 2

Prerequisite Courses: MUS 285
Course Repeatability: Course may not be repeated.

MUS 306 - Orchestration and Arranging

Techniques of transcribing, arranging, and scoring music for various vocal and instrumental combinations.

Credit Hours: 2

Prerequisite Courses: MUS 300 and MUSL 300
Course Repeatability: Course may not be repeated.

MUS 326 - General Music Methods

Methodology for teaching music in the classroom; lesson planning; computer applications; music textbooks and materials for K-12. The lab for this course is MUSL 326.

Credit Hours: 3

Corequisite Courses: MUSL 326.
Prerequisite Courses: MUS 284
Additional Restrictions/Requirements: Admission to the Watson College of Education or permission of instructor.
Course Repeatability: Course may not be repeated.
Major Restriction Bachelor of Music Education

MUSL 326 - Field Experience in General Music

Lab course designed to provide supervised field experiences in general music with public school students. Observation and reflection; application of pedagogy. This course is the lab for MUS 326.

Credit Hours: 1

Corequisite Courses: ["MUS 326"]
Course Repeatability: Course may not be repeated.
Additional Course Fee Schedule

MUS 331 - Measurement and Evaluation in Music Education

Development of learning outcomes. Measurements of musical behaviors, test construction, interpretation of data and results.

Credit Hours: 1

Prerequisite Courses: MUS 326 and (MUS 373 or MUS 377)
Course Repeatability: Course may not be repeated.

MUS 377 - Choral Methods

Goals, objectives, methodology, and assessment procedures for teaching choral music. Topics may include repertoire and programming, learning theory applied to choral rehearsal, group vocal training techniques, rehearsal procedures, and program management strategies. The lab for this course is MUSL 377.

Credit Hours: 3

Corequisite Courses: MUSL 377.
Prerequisite Courses: MUS 284.
Additional Restrictions/Requirements: Admission to

the Watson College of Education or permission of instructor.
Course Repeatability: Course may not be repeated.
Major Restriction Bachelor of Music Education

MUSL 377 - Field Experience in Choral Music

Supervised choral music field experiences with public school students. Observation and reflection; application of pedagogy. This course is the lab for MUS 377.

Credit Hours: 1

Corequisite Courses: ["MUS 377"]
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 1
Additional Course Fee Schedule

MUS 393 - Junior Recital

A performance of at least 20 minutes of repertoire selected from the appropriate levels of difficulty.

Credit Hours: 1

Additional Restrictions/Requirements: Consent of

faculty.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 2 **Repeat Limit:** 1

MUS 146 - Class Voice I

Intended for beginning singers and non-majors. Singing techniques learned through vocal exercises and study of song literature.

Credit Hours: 1

Course Repeatability: Course may be repeated.
Repeat Limit: 2

MUS 186 - University Chorale

Singers study and perform repertoire of various historical periods and styles appropriate for large chorus. May be repeated for credit.

Credit Hours: 1

Additional Restrictions/Requirements: Auditions and consent of director.
University Studies: Approaches and

Perspectives/Aesthetic, Interpretive, and Literary Perspectives
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12 **Repeat Limit:** 11

Watson College of Education requirements: 19 hours

EDN 200 - Teacher, School and Society

This course examines historical, sociological, and philosophical foundations of education as well as issues of diversity. The course engages students' knowledge, research, and analytical skills in relation to the goals and purposes of education. Students are challenged to critically reflect on personal and educational experiences as preservice professionals. The course is designed to provide opportunities to observe and engage in reflective discussion of curriculum and instructional practices, school governance and organization, and school-community relationships, inclusive of field experience. **Additional liability insurance expense may be necessary.** The lab for this course is EDNL 200.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in Our Diverse Nation, Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.

EDN 203 - Psychological Foundations of Teaching

A study of the major psychological variables that influence learning in schools and their applications to teaching. Addresses theories and systems of learning (behavioral, cognitive, constructivist, and humanistic); major developmental processes and typical characteristics; and principles of motivation. Variables explaining and accounting for individual differences will be examined, including cultural aspects of learning and special needs learners. Students will learn about practices associated with effective teaching, including classroom management, and standards for valid assessment of student learning.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule and

EDN 409 - Student Teaching

Physical education and music education majors do not need to take corequisite course. Students will be assigned full-time to practicum sites within their areas of specializations. During the course, students will engage in a variety of supervised instructional activities, assuming increasingly wider responsibility for class instruction. Practical are offered in the following areas of specialization: biology, chemistry, English, French, geology, history, mathematics, music, physical education (and health), physics, social studies, and Spanish.

Credit Hours: 12

Corequisite Courses: EDN 408

Additional Restrictions/Requirements: Corequisite course, and as specified for EDN 408.
University Studies: Explorations Beyond the Classroom, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

Music, B.A.

Designed for the 21st-century musician, the Bachelor of Arts offers innovative areas of study in classical performance, jazz, music technology and entrepreneurship, and general music. The Bachelor of Arts degree is a foundation for a wide range of career options, including performance, private studio teacher, composition, music technology and recording, concert management and promotion, or graduate study in music and/or other academic areas.

Computer Requirement:

To satisfy the computer requirement for the B.A. degree in Music and the B.M. in Music Education a student must successfully complete MUS 110.

Oral Communication Requirement:

To satisfy the oral communication requirement for the B.A. in Music and the B.M. in Music Education a student must successfully complete MUS 285 or MUS 496.

Applied Learning Requirement:

To satisfy the applied learning requirement for the B.A. degree in Music, a student must successfully complete one of the following: MUS 493 or MUS 496 or MUS 498 or MUS 499.

Choose one of the following: **Credits / Units:** 1–3

MUS 493 - Senior Recital

A performance of at least 40 minutes of repertoire selected from the appropriate levels of difficultly.

Credit Hours: 1

Additional Restrictions/Requirements: Consent of the music faculty.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 2 **Repeat Limit:** 1

MUS 496 - Senior Seminar in Music

Synthesis and application to a specific topic in the student's principal area of interest, chosen, in consultation with the instructor, from previous musical study or from areas beyond what is offered in regular course offerings. Students meet together one hour per week to discuss their work; in addition, each student meets individually with a specialist who supervises project. May be repeated under a different subtitle.

Credit Hours: 3

Additional Restrictions/Requirements: Senior standing.
University Studies: Explorations Beyond the Classroom, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 6

MUS 498 - MUS 498 - Internship in Music - Hoke

Academic training and practical field experience through a program of work and study within an agency and/or setting related to the student's principal area of interest. Faculty supervision and evaluation of all study

and on-site activity. A maximum of six credit hours may be applied toward the degree.

Credit Hours: 3

Additional Restrictions/Requirements: Junior or senior standing and consent of Music department chair and instructor.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12 **Repeat Limit:** 3
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

MUS 499 - Honors Work in Music

Independent study for honor students.

Credit Hours: 2 To 3

Additional Restrictions/Requirements: Junior or senior standing, eligibility for honors program, and consent of Music department chair and instructor.
University Studies: Explorations Beyond the

Classroom, Critical Reasoning
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6

Core Requirements Common to all Music Curricula (30 credit hours):

FNA 101 - Cultures of the World Through Music and Dance

Examination of a variety of musical styles and dance forms from around the world, with attention to cultural issues and practices. Includes participation in dance and musical experiences.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

MUS 110 - Introduction to Music Technology

Overview of music technology for the music major. Introduction to Digital Audio Workstation environments, basic MIDI sequencing, and traditional notation software.

Credit Hours: 1

Course Repeatability: Course may not be repeated.

MUS 111 - Theory I

An in-depth study of the basic material of music, including notation of pitch and rhythm, intervals, scales and modes, key signatures, and triads. The lab for this course is MUSL 111.

Credit Hours: 2

Corequisite Courses: ["MUSL 111"]
Additional Restrictions/Requirements: Corerequisite course; Theory Placement test required.
University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives
Course Repeatability: Course may not be repeated.

MUSL 111 - Aural Skills and Sight-Singing I

Includes melodic, harmonic and rhythmic dictation and sight-singing using the materials introduced in MUS 111. This course is the lab for MUS 111.

Credit Hours: 1

Corequisite Courses: ["MUS 111"]
Course Repeatability: Course may not be repeated.

MUS 112 - Theory II

A study of tonality, triads in inversion, phrase structure and cadences, harmonic progression, the technique of harmonization, and non-harmonic tones. The lab for this course is MUSL 112.

Credit Hours: 2

Corequisite Courses: ["MUSL 112"]
Prerequisite Courses: MUS 111 with a minimum grade of C-
Course Repeatability: Course may not be repeated.

MUSL 112 - Aural Skills and Sight-Singing II

Includes melodic, harmonic, and rhythmic dictation, and sight-singing using the materials introduced in MUS 112. This course is the lab for MUS 112.

Credit Hours: 1

Corequisite Courses: ["MUS 112"]
Prerequisite Courses: MUSL 111
Course Repeatability: Course may not be repeated.

MUS 150 - Introduction to Music Listening

Guided listening to representative works from Western classical, jazz, popular, and global music traditions. Development of ability to describe elements of compositions and style using basic musical vocabulary. Concert attendance required in addition to the regular class meeting time.

Credit Hours: 1

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives
Course Repeatability: Course may not be repeated.

MUS 196 - Lower Level Applied Music, Private Lessons

Corequisite: MUS LAB (appropriate section). Includes one-hour private lesson per week (TBA) and a minimum of one MUS LAB/seminar hours each week. May be repeated for credit.

Credit Hours: 1

Additional Restrictions/Requirements: Audition; consent of music department chair and instructor. This course is intended for music majors only.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

MUS 211 - Theory III

A study of the musical process as observed in the literature of the common practice period. Based upon both structural and functional analyses as well as problem solving and controlled composition exercises. Includes secondary dominants, chromatic approach to chords and the concept of modulation. The lab for this course is MUSL 211.

Credit Hours: 2

Corequisite Courses: ["MUSL 211"]
Prerequisite Courses: MUS 112
Course Repeatability: Course may not be repeated.

MUSL 211 - Aural Skills and Sight-Singing III

Includes melodic, harmonic, and rhythm dictation, and sight-singing using the materials introduced in MUS 211. This course is the lab for MUS 211.

Credit Hours: 1

Corequisite Courses: ["MUS 211"]
Prerequisite Courses: MUSL 112
Course Repeatability: Course may not be repeated.

MUS 242 - Class Piano IV

Continued piano skills development of MUS 241, with an emphasis on speed, fluency, and accuracy. Piano proficiency exam is the final exam in this course and must be passed in order to pass the course.

Credit Hours: 1

Prerequisite Courses: MUS 241 with a minimum grade of C-
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 1

MUS 285 - Conducting I

Conducting techniques, score-reading skills, issues of interpretation, rehearsal techniques, and associated terminology.

Credit Hours: 2

Prerequisite Courses: MUS 300 and MUSL 300
Additional Restrictions/Requirements: Prerequisite courses and passing the appropriate piano proficiency examination.
Course Repeatability: Course may not be repeated.

MUS 300 - Theory IV

A survey of post-tonal music and techniques of the 20th and 21st centuries.
The lab for this course is MUSL 300.

Credit Hours: 2

Corequisite Courses: ["MUSL 300"]
Prerequisite Courses: MUS 211
Course Repeatability: Course may not be repeated.

MUSL 300 - Aural Skills and Sight-Singing IV

Dictation and transcription problems, sight-singing of choral and instrumental works. This course is the lab for MUS 300.

Credit Hours: 1

Corequisite Courses: ["MUS 300"]
Prerequisite Courses: MUSL 211
Course Repeatability: Course may not be repeated.

MUS 351 - Introduction to Music History I: Middle ages - Classical Periods

Overview of music history and literature, stressing the stylistic developments of music and related social and historical events of the Middle Ages, Renaissance, Baroque and Classical periods.

Credit Hours: 3

Prerequisite Courses: MUS 150
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
University Studies: Approaches and Perspectives/Historical and Philosophical Approaches, Building Competencies/Writing Intensive, Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

MUS 352 - Introduction to Music History II: Romantic-Contemporary Periods

Overview of music history and literature, stressing the stylistic developments of music and related social and historical events of the Romantic and Contemporary periods.

Credit Hours: 3

Prerequisite Courses: MUS 150
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
University Studies: Approaches and

Perspectives/Historical and Philosophical Approaches, Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

Ensemble Requirement (8 credit hours):

BA students are required to be in at least one large music ensemble appropriate to the student's option (MUS 180, MUS 183, MUS 184, MUS 185, MUS 186, MUS 187) during each semester they are in residence (8 credit hours). Keyboard, guitar, harp, and music technology students may substitute up to 4 hours from MUS 130, MUS 182. Only one large ensemble per semester may be credited toward the degree.

Additional Information:

BA students are required to complete at least 4 semesters of applied music (MUS 196) in the principal area and demonstrate upper-level proficiency in the applied area by passing an upper-level jury in the fourth semester of MUS 196.

All music majors must pass the piano proficiency examination and the listening repertory examinations, as described in the latest edition of the Department of

Music Student Handbook. All students are expected to make regular progress toward completion of those requirements. Piano majors may substitute a 1 credit of applied lessons in a secondary area in lieu of MUS 242.

* Students are required to enroll in no fewer than 22 hours of electives outside of music.

In addition, no credit toward music major requirements will be granted for MUS 105, MUS 106, and/or MUS 115.

BA Degree Options (19-23 credit hours)

Students may select from the following areas

Performance Option:

Instrumental

MUS 130 - Chamber Music Workshop

Small instrumental and vocal ensembles. Type of group depends on the availability of personnel. Meets one to two hours weekly with instructor for coaching plus individual practice and weekly rehearsal with partner(s). Previous training required. May be repeated for credit.

Credit Hours: 1

Additional Restrictions/Requirements: Consent of instructor and department chair.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

MUS 286 - Conducting II

More advanced conducting techniques, score-reading skills, issues of interpretation, rehearsal techniques, and associated terminology.

Credit Hours: 2

Prerequisite Courses: MUS 285
Course Repeatability: Course may not be repeated.

MUS 306 - Orchestration and Arranging

Techniques of transcribing, arranging, and scoring music for various vocal and instrumental combinations.

Credit Hours: 2

Prerequisite Courses: MUS 300 and MUSL 300
Course Repeatability: Course may not be repeated.

MUS 396 - Upper Level Applied Music, Private Lessons

Corequisite: MUS LAB (appropriate section). Includes one-hour private lesson per week (TBA) and a minimum of one MUS LAB/seminar hour each week. This course is restricted to music majors who have passed the upper level qualifying jury. May be repeated for credit.

Credit Hours: 1

Additional Restrictions/Requirements: Audition; consent of Music Department Chair and instructor.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 12

MUS 370 - Pedagogy and Literature I

Materials, methods, literature, and skills for teaching the beginning through early intermediate-level private student, particularly in the individual studio setting. Business aspects of setting up a teaching studio.

Faculty supervision of required practical field experience.

Credit Hours: 3

Additional Restrictions/Requirements: Consent of instructor.
Course Repeatability: Course may not be repeated.

Choose one of the following:

MUS 381 - Music Entrepreneurship

A survey of the history and practices of the music industry, with an emphasis on evolving practices, emerging opportunities, and innovation in career planning, as well as methods and practices of artist representation and self-promotion.

Credit Hours: 3

Additional Restrictions/Requirements: Consent of instructor.
Course Repeatability: Course may not be repeated.

MUS 382 - Music Industry

A survey of the structures, economics, and operations of the recording industry; music publishing and distribution systems; intellectual property; and issues related to live music performance, with an emphasis on copyright law, contracts, and licensing, as well as marketing and promotional strategies of major and independent record labels, music publishers, and various media.

Credit Hours: 3

Prerequisite Courses: MUS 381
Course Repeatability: Course may not be repeated.

MUS 393 - Junior Recital

A performance of at least 20 minutes of repertoire selected from the appropriate levels of difficulty.

Credit Hours: 1

Additional Restrictions/Requirements: Consent of faculty.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 2 **Repeat Limit:** 1

MUS 493 - Senior Recital

A performance of at least 40 minutes of repertoire selected from the appropriate levels of difficultly.

Credit Hours: 1

Additional Restrictions/Requirements: Consent of the music faculty.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 2 **Repeat Limit:** 1

Piano

MUS 286 - Conducting II

More advanced conducting techniques, score-reading skills, issues of interpretation, rehearsal techniques, and associated terminology.

Credit Hours: 2

Prerequisite Courses: MUS 285
Course Repeatability: Course may not be repeated.

MUS 306 - Orchestration and Arranging

Techniques of transcribing, arranging, and scoring music for various vocal and instrumental combinations.

Credit Hours: 2

Prerequisite Courses: MUS 300 and MUSL 300
Course Repeatability: Course may not be repeated.

MUS 130 - Chamber Music Workshop

Small instrumental and vocal ensembles. Type of group depends on the availability of personnel. Meets one to two hours weekly with instructor for coaching plus individual practice and weekly rehearsal with partner(s). Previous training required. May be repeated for credit.

Credit Hours: 1

Additional Restrictions/Requirements: Consent of instructor and department chair.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

MUS 396 - Upper Level Applied Music, Private Lessons

Corequisite: MUS LAB (appropriate section). Includes one-hour private lesson per week (TBA) and a minimum of one MUS LAB/seminar hour each week. This course is restricted to music majors who have passed the upper level qualifying jury. May be repeated for credit.

Credit Hours: 1

Additional Restrictions/Requirements: Audition; consent of Music Department Chair and instructor.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 12

MUS 370 - Pedagogy and Literature I

Materials, methods, literature, and skills for teaching the beginning through early intermediate-level private student, particularly in the individual studio setting. Business aspects of setting up a teaching studio. Faculty supervision of required practical field experience.

Credit Hours: 3

Additional Restrictions/Requirements: Consent of instructor.
Course Repeatability: Course may not be repeated.

MUS 374 - Pedagogy and Literature II

Materials, methods, and skills for teaching the advanced-level private student, particularly in the individual studio setting. A survey of intermediate and advanced literature from the 17th century to the present.

Credit Hours: 3

Prerequisite Courses: MUS 370
Additional Restrictions/Requirements: Prerequisite course and consent of instructor.
Course Repeatability: Course may not be repeated.

Choose one of the following:

MUS 381 - Music Entrepreneurship

A survey of the history and practices of the music industry, with an emphasis on evolving practices,

emerging opportunities, and innovation in career planning, as well as methods and practices of artist representation and self-promotion.

Credit Hours: 3

Additional Restrictions/Requirements: Consent of instructor.
Course Repeatability: Course may not be repeated.

MUS 382 - Music Industry

A survey of the structures, economics, and operations of the recording industry; music publishing and distribution systems; intellectual property; and issues related to live music performance, with an emphasis on copyright law, contracts, and licensing, as well as marketing and promotional strategies of major and independent record labels, music publishers, and various media.

Credit Hours: 3

Prerequisite Courses: MUS 381
Course Repeatability: Course may not be repeated.

MUS 393 - Junior Recital

A performance of at least 20 minutes of repertoire selected from the appropriate levels of difficulty.

Credit Hours: 1

Additional Restrictions/Requirements: Consent of faculty.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 2 **Repeat Limit:** 1

MUS 493 - Senior Recital

A performance of at least 40 minutes of repertoire selected from the appropriate levels of difficultly.

Credit Hours: 1

Additional Restrictions/Requirements: Consent of the music faculty.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 2 **Repeat Limit:** 1

Vocal

MUS 286 - Conducting II

More advanced conducting techniques, score-reading skills, issues of interpretation, rehearsal techniques, and associated terminology.

Credit Hours: 2

Prerequisite Courses: MUS 285
Course Repeatability: Course may not be repeated.

MUS 306 - Orchestration and Arranging

Techniques of transcribing, arranging, and scoring music for various vocal and instrumental combinations.

Credit Hours: 2

Prerequisite Courses: MUS 300 and MUSL 300
Course Repeatability: Course may not be repeated.

MUS 333 - Opera Workshop

The musical preparation and staging of operatic scenes through dramatic interpretation and body movement.

Three rehearsal hours per week. May be repeated for credit.

Credit Hours: 1

Additional Restrictions/Requirements: Four semesters of applied voice or consent of instructor.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 4

MUS 396 - Upper Level Applied Music, Private Lessons

Corequisite: MUS LAB (appropriate section). Includes one-hour private lesson per week (TBA) and a minimum of one MUS LAB/seminar hour each week. This course is restricted to music majors who have passed the upper level qualifying jury. May be repeated for credit.

Credit Hours: 1

Additional Restrictions/Requirements: Audition; consent of Music Department Chair and instructor.

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 12

MUS 370 - Pedagogy and Literature I

Materials, methods, literature, and skills for teaching the beginning through early intermediate-level private student, particularly in the individual studio setting. Business aspects of setting up a teaching studio. Faculty supervision of required practical field experience.

Credit Hours: 3

Additional Restrictions/Requirements: Consent of instructor.
Course Repeatability: Course may not be repeated.

MUS 374 - Pedagogy and Literature II

Materials, methods, and skills for teaching the advanced-level private student, particularly in the individual studio setting. A survey of intermediate and advanced literature from the 17th century to the present.

Credit Hours: 3

Prerequisite Courses: MUS 370
Additional Restrictions/Requirements: Prerequisite course and consent of instructor.
Course Repeatability: Course may not be repeated.

Choose one of the following:

MUS 381 - Music Entrepreneurship

A survey of the history and practices of the music industry, with an emphasis on evolving practices, emerging opportunities, and innovation in career planning, as well as methods and practices of artist representation and self-promotion.

Credit Hours: 3

Additional Restrictions/Requirements: Consent of instructor.
Course Repeatability: Course may not be repeated.

MUS 382 - Music Industry

A survey of the structures, economics, and operations of the recording industry; music publishing and

distribution systems; intellectual property; and issues related to live music performance, with an emphasis on copyright law, contracts, and licensing, as well as marketing and promotional strategies of major and independent record labels, music publishers, and various media.

Credit Hours: 3

Prerequisite Courses: MUS 381
Course Repeatability: Course may not be repeated.

MUS 393 - Junior Recital

A performance of at least 20 minutes of repertoire selected from the appropriate levels of difficulty.

Credit Hours: 1

Additional Restrictions/Requirements: Consent of faculty.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 2 **Repeat Limit:** 1

MUS 493 - Senior Recital

A performance of at least 40 minutes of repertoire selected from the appropriate levels of difficultly.

Credit Hours: 1

Additional Restrictions/Requirements: Consent of the music faculty.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 2 **Repeat Limit:** 1

Jazz Studies Option:

MUS 136 - Jazz Theory and Keyboard

Theoretical concepts, aural skill, and basic keyboard skills associated with jazz styles.

Credit Hours: 2

Prerequisite Courses: MUS 111 and MUSL 111
Course Repeatability: Course may not be repeated.

MUS 189 - Jazz Combo

By audition only. Small group rehearsal and performance of jazz standards, original jazz compositions and arrangements.

Credit Hours: 1

Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

MUS 308 - Jazz Arranging

Arranging and scoring the jazz combo, with emphasis on contemporary styles. Presentation in both lecture and performance format.

Credit Hours: 2

Prerequisite Courses: MUS 300 and MUS 315
Course Repeatability: Course may not be repeated.

MUS 315 - Jazz Improvisation I

Development of materials and practice for basic improvisational skills in the jazz idiom. Performance-oriented course exploring a variety of methods to gain a better understanding of the art of improvisation.

Credit Hours: 2

Prerequisite Courses: MUS 111 and MUS 112
Course Repeatability: Course may not be repeated.
Major Restriction Music, B.A.**Minor Restriction** Jazz Studies Minor

MUS 316 - Jazz Improvisation II

Development of materials and practice for advanced improvisational skills in the jazz idiom. A performance-oriented course that explores a variety of methods to gain a better understanding of the art of improvisation.

Credit Hours: 2

Prerequisite Courses: MUS 315
Course Repeatability: Course may not be repeated.
Major Restriction Music, B.A.**Minor Restriction** Jazz Studies Minor

MUS 325 - Jazz Ensemble Techniques

Basic rehearsal techniques and methods for developing and directing a high school jazz ensemble. Lecture

format and practical conducting experience with one of the university's jazz ensembles.

Credit Hours: 1

Prerequisite Courses: MUS 285
Course Repeatability: Course may not be repeated.

Choose one of the following:

MUS 381 - Music Entrepreneurship

A survey of the history and practices of the music industry, with an emphasis on evolving practices, emerging opportunities, and innovation in career planning, as well as methods and practices of artist representation and self-promotion.

Credit Hours: 3

Additional Restrictions/Requirements: Consent of instructor.
Course Repeatability: Course may not be repeated.

MUS 382 - Music Industry

A survey of the structures, economics, and operations of the recording industry; music publishing and distribution systems; intellectual property; and issues related to live music performance, with an emphasis on copyright law, contracts, and licensing, as well as marketing and promotional strategies of major and independent record labels, music publishers, and various media.

Credit Hours: 3

Prerequisite Courses: MUS 381
Course Repeatability: Course may not be repeated.

MUS 393 - Junior Recital

A performance of at least 20 minutes of repertoire selected from the appropriate levels of difficulty.

Credit Hours: 1

Additional Restrictions/Requirements: Consent of faculty.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 2 **Repeat Limit:** 1

MUS 396 - Upper Level Applied Music, Private Lessons

Corequisite: MUS LAB (appropriate section). Includes one-hour private lesson per week (TBA) and a minimum of one MUS LAB/seminar hour each week. This course is restricted to music majors who have passed the upper level qualifying jury. May be repeated for credit.

Credit Hours: 1

Additional Restrictions/Requirements: Audition; consent of Music Department Chair and instructor.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 12

MUS 493 - Senior Recital

A performance of at least 40 minutes of repertoire selected from the appropriate levels of difficultly.

Credit Hours: 1

Additional Restrictions/Requirements: Consent of the music faculty.

University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 2 **Repeat Limit:** 1

Music Technology Option:

MUS 210 - Digital Music Production

Applications of music technology software for digital music production in Digital Audio Workstation environments, including non-traditional notation systems, intermediate-level work with MIDI sequencing, DAW signal flow, stereo mixing techniques, software-based virtual instruments, and intermediate sampling techniques.

Credit Hours: 2

Prerequisite Courses: MUS 110.
Course Repeatability: Course may not be repeated.

MUS 214 - Recording Technology I

Introduction to the fundamentals of audio engineering. Technical basics in the "language of audio." Emphasis is on Pro Tools recording software, audio interfaces,

project workflow, the principles behind the five main stages of a recording project, and mastering music. Theoretical and practical application of microphones, mic pre-amps, equalizers, compressors, noise gates, effects, room acoustics, gain structure, and signal path.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

MUS 215 - Recording Technology II

An in-depth look at Pro Tools recording software including a review of music recording basics, editing, and automation principles while mixing multi-track projects. Students will learn the art of the "creative ear," and final project will utilize the UNCW recording studio to create and complete a multi-track recording project.

Credit Hours: 3

Prerequisite Courses: MUS 214
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

Choose one of the following:

MUS 203 - Composition

A beginning study of compositional techniques though direct application in original compositions. One hour seminar each week plus a half or full hour private lesson. May be repeated.

Credit Hours: 1 To 2

Prerequisite Courses: MUS 112 and MUSL 112
Additional Restrictions/Requirements: Consent of instructor.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

(2 semesters @ 1 credit hours or 1 semester @ 2 credit hours)

MUS 305 - Beat Making

Comprehensive overview of Hip Hop beat making. Fosters each student development as a beat maker, in in EDM, house, dance/club, top 40, drum and bass,

boom bap or any other subgenre of interest. No prerequisite. 2 credits hours.

Credit Hours: 2

Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6

MUS 306 - Orchestration and Arranging

Techniques of transcribing, arranging, and scoring music for various vocal and instrumental combinations.

Credit Hours: 2

Prerequisite Courses: MUS 300 and MUSL 300
Course Repeatability: Course may not be repeated.

MUS 307 - Songwriting

Study of basic songwriting styles and techniques, including methods for developing the skills and knowledge to construct well-crafted lyrics, melodies, and chords. Students develop their musical identity and critical listening skills through analysis, discussion, synthesis, and songwriting activities.

Credit Hours: 2

Prerequisite or Corequisite Courses: MUS 110.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 4 **Repeat Limit:** 1

MUS 311 - Live Sound Production

Introduction to the essentials of live sound production. Overview of sound system designs, operation, mixing live events, equipment, software, acoustics, stage management, and safety protocols. Study and application of common techniques used for amplifying and mixing sound sources in various event environments.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

MUS 381 - Music Entrepreneurship

A survey of the history and practices of the music industry, with an emphasis on evolving practices, emerging opportunities, and innovation in career

planning, as well as methods and practices of artist representation and self-promotion.

Credit Hours: 3

Additional Restrictions/Requirements: Consent of instructor.
Course Repeatability: Course may not be repeated.

MUS 382 - Music Industry

A survey of the structures, economics, and operations of the recording industry; music publishing and distribution systems; intellectual property; and issues related to live music performance, with an emphasis on copyright law, contracts, and licensing, as well as marketing and promotional strategies of major and independent record labels, music publishers, and various media.

Credit Hours: 3

Prerequisite Courses: MUS 381
Course Repeatability: Course may not be repeated.

Choose one of the following:

MUS 496 - Senior Seminar in Music

Synthesis and application to a specific topic in the student's principal area of interest, chosen, in consultation with the instructor, from previous musical study or from areas beyond what is offered in regular course offerings. Students meet together one hour per week to discuss their work; in addition, each student meets individually with a specialist who supervises project. May be repeated under a different subtitle.

Credit Hours: 3

Additional Restrictions/Requirements: Senior standing.
University Studies: Explorations Beyond the Classroom, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 6

MUS 498 - MUS 498 - Internship in Music - Hoke

Academic training and practical field experience through a program of work and study within an agency and/or setting related to the student's principal area of interest. Faculty supervision and evaluation of all study

and on-site activity. A maximum of six credit hours may be applied toward the degree.

Credit Hours: 3

Additional Restrictions/Requirements: Junior or senior standing and consent of Music department chair and instructor.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12 **Repeat Limit:** 3
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

General Music Option

14 elective MUS credits, at least 3 of which must be 300- or 400-level (may include MUS 396 upper-level applied lessons, MUS 393 Junior Recital and/or MUS 493 Senior Recital).

Choose one of the following:

MUS 381 - Music Entrepreneurship

A survey of the history and practices of the music industry, with an emphasis on evolving practices, emerging opportunities, and innovation in career planning, as well as methods and practices of artist representation and self-promotion.

Credit Hours: 3

Additional Restrictions/Requirements: Consent of instructor.
Course Repeatability: Course may not be repeated.

MUS 382 - Music Industry

A survey of the structures, economics, and operations of the recording industry; music publishing and distribution systems; intellectual property; and issues related to live music performance, with an emphasis on copyright law, contracts, and licensing, as well as marketing and promotional strategies of major and independent record labels, music publishers, and various media.

Credit Hours: 3

Prerequisite Courses: MUS 381
Course Repeatability: Course may not be repeated.

Choose one of the following:

MUS 496 - Senior Seminar in Music

Synthesis and application to a specific topic in the student's principal area of interest, chosen, in consultation with the instructor, from previous musical study or from areas beyond what is offered in regular course offerings. Students meet together one hour per week to discuss their work; in addition, each student meets individually with a specialist who supervises project. May be repeated under a different subtitle.

Credit Hours: 3

Additional Restrictions/Requirements: Senior standing.
University Studies: Explorations Beyond the Classroom, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 6

MUS 498 - MUS 498 - Internship in Music - Hoke

Academic training and practical field experience through a program of work and study within an agency and/or setting related to the student's principal area of interest. Faculty supervision and evaluation of all study and on-site activity. A maximum of six credit hours may be applied toward the degree.

Credit Hours: 3

Additional Restrictions/Requirements: Junior or senior standing and consent of Music department chair and instructor.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12 **Repeat Limit:** 3
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

MUS 499 - Honors Work in Music

Independent study for honor students.

Credit Hours: 2 To 3

Additional Restrictions/Requirements: Junior or senior standing, eligibility for honors program, and consent of Music department chair and instructor.
University Studies: Explorations Beyond the Classroom, Critical Reasoning
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6

Bachelor of Arts in Music: 57-61 credit hours

1. Music Core Requirements: 30 credit hours

2. Ensemble Requirement: minimum 8 credit hours

3. Option: 19-23 credit hours

A minimum final grade of "C-" is required in each music course, and a cumulative grade point average of 2.00 or better is required for graduation.

Oceanography, B.S.

The B.S. Oceanography program is designed specifically for students interested in pursuing professional, research or academic careers and/or advanced degrees in the ocean sciences. Because oceanography is a truly integrative and synthetic field

which continues to become more technological and global in its approach, the oceanography degree program requires students to develop basic proficiencies in mathematics, chemistry, physics, and biology, and effective oral and written communication skills. In addition, the program allows students to focus on their specific interests through selection of appropriate elective course work. The program includes an applied learning component which can be fulfilled through appropriate field- or ship-based course work, internships, and/or faculty directed research.

Oral Communication Requirement

To satisfy the oral communication requirement for the B.S. degree in Oceanography a student must complete OCN 395.

Applied Learning Requirement

To satisfy the applied learning requirement for the B.S. degree in Oceanography a student must complete OCN 390.

Requirements for a Major in Oceanography for the B.S. Degree

OCN 150 - Introduction to Oceanography

An introduction to the geology, physics, chemistry, and biology of the ocean; instruments and techniques of oceanography; resources of the ocean. The lab for this course is OCNL 150.

Credit Hours: 3

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

OCNL 150 - Introduction to Oceanography Laboratory

A hands-on, experiential introduction to the study of the oceans including geological, biological, chemical, and physical aspects. Instruments and techniques of oceanography, marine resources, and human interaction with the oceans will also be explored. Multiple required field trips. This course is the lab for

OCN 150.

Credit Hours: 1

Prerequisite Courses: Prerequisite or corequisite: OCN 150.
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

OCN 350 - Advanced Oceanography

An in-depth examination of the structure and formation of ocean basins, the role of oceans in the hydrological cycle, the physical properties of seawater, atmospheric and ocean circulation, waves, and tides. Emphasis on data analysis and quantitative problem solving.

Credit Hours: 3

Prerequisite Courses: OCN 150
University Studies: Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

OCN 365 - Written Communication in Oceanography

Development of written scientific communication skills for topics related to the oceanography discipline.

Credit Hours: 2

University Studies: Building Competencies/Information Literacy, Building Competencies/Writing Intensive, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.
Major Restriction Geography and Geospatial Science, Geosciences, Geology, Oceanography

OCN 390 - Field Methods in Oceanography

Applied study of ocean materials and processes in field settings. Introduction to methods and techniques used in geosciences, with emphasis on coastal and marine environments, including field measurement, sample retrieval, and data analysis. Colloquium and required field trips (with associated costs).

Credit Hours: 2

Prerequisite Courses: OCN 150
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
University Studies: Building Competencies/Information Literacy, Critical Reasoning, Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6 **Repeat Limit:** 2
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

OCN 395 - Oral Communication in Oceanography

Development of oral presentation skills for topics related to the oceanography discipline.

Credit Hours: 1

Prerequisite or Corequisite Courses: GGY 365 or GLY 365 or OCN 365
Course Repeatability: Course may not be repeated.

OCN 471 - Oceanographic Cruise Techniques

Data collection and sampling techniques on a research vessel. Introduction to equipment methods and techniques used in oceanography including CTD casts, sidescan sonar operation and data analysis, and sediment coring via participation in two half-day cruises led by UNCW oceanography faculty members.

Credit Hours: 1

Prerequisite Courses: OCN 350 or OCN 390
Additional Restrictions/Requirements: Prerequisite courses or consent of instructor.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.

GLY 450 - Geological Oceanography

Physiography, petrology, structure, sediments and geologic history of the ocean floor, including estuarine and coastal environments.

Credit Hours: 4

Prerequisite Courses: GLY 201 or GLY 205 or OCN

350
Course Repeatability: Course may not be repeated.

MAT 151 - Basic Calculus with Applications I

Intended for majors that emphasize techniques and applications. Study of linear and nonlinear functions, differentiation with applications, Riemann sums, integration, and the Fundamental Theorem of Calculus.

Credit Hours: 3

Prerequisite Courses: MAT 111 or MAT 150 or MAT 160, or satisfactory performance on the UNCW mathematics placement test.
University Studies: Foundations/Mathematics and Statistics, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

MAT 152 - Basic Calculus with Applications II

Intended for majors that emphasize techniques and applications. The second course in a two-course sequence. Topics to include further techniques and applications of integration and multivariable calculus including trigonometric functions, differential equations,

probability, and sequences & series.

Credit Hours: 3

Prerequisite Courses: MAT 151 and (MAT 112 or MAT 160).
University Studies: Foundations/Mathematics and Statistics, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

or

MAT 161 - Calculus with Analytical Geometry I

Calculus of a single variable intended for students in the mathematical and natural sciences. Functions and limits; differentiation with applications including maxima and minima, related rates, and approximations; theory of integration with applications; and transcendental functions.

Credit Hours: 4

Prerequisite Courses: MAT 112 or MAT 160, or satisfactory performance on the UNCW mathematics placement test.

University Studies: Foundations/Mathematics and Statistics, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

MAT 162 - Calculus with Analytical Geometry II

The second course in a three-course sequence. Further techniques and applications of integration; infinite sequences and series; conic sections, parametrized curves and polar coordinates; and, elementary differential equations.

Credit Hours: 4

Prerequisite Courses: MAT 161.
University Studies: Foundations/Mathematics and Statistics, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

In addition, students must take two of the following

BIO 205 - Biology of the Sea

Introduction to the organisms that live in marine environments and the role of humans in the use of marine resources. Explores the biological, physical, chemical, and geological characteristics of various

marine habitats.

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

or

BIO 362 - Marine Ecology

Introduction to basic ecological principles in the marine environment as they pertain to individual organisms, populations, communities, and ecosystems. The lab for this course is BIOL 362.

Credit Hours: 3

Prerequisite Courses: BIO 201 and BIO 202.
University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

CHM 475 - Chemical Oceanography

Introduction to chemical oceanography, including discussion of sources, distribution, forms of occurrence

of chemical species in seawater; chemistry of salty solutions; air-sea interactions; marine carbonate system; organic compounds and trace elements in seawater; estuarine chemistry.

Credit Hours: 3

Prerequisite Courses: Prerequisite: CHM 102 and CHML 102. Recommended prerequisite or corequisite: CHM 235 and OCN 150.
Course Repeatability: Course may not be repeated.

or

OCN 475 - Marine Biogeochemistry

A geochemical perspective on the chemistry of the world's oceans with an emphasis on carbon cycling through the marine geosphere and biosphere. Topics include introductions to chemical oceanography, stable isotope geochemistry, paleoceanography, and investigations into the role of the oceans in the global carbon cycle through time.

Credit Hours: 3

Prerequisite Courses: CHM 101 and CHML 101; and CHM 102 and CHML 102.
Additional Restrictions/Requirements: Prerequisite courses or consent of instructor.
Crosslisting: GLY 575.
Course Repeatability: Course may not be repeated.

PHY 475 - Physical Oceanography

An introduction to the descriptive and dynamical features of ocean circulation. Topics include: the physical properties of seawater; oceanic heat budget; dynamics of ocean currents; descriptive oceanography; waves and tides.

Credit Hours: 3

Prerequisite Courses: (MAT 152 or MAT 162) and (PHY 102 or PHY 202)
Crosslisting: PHY 575
Course Repeatability: Course may not be repeated.

Electives

Students must also complete a minimum of 31 hours of electives. Courses must be selected from at least three

different disciplines; 21 of which must be above the 299 level; at least 9 must be from the OCN, GLY, or GGY prefixes. Students may select any additional OCN course, or any course from the following list:

BIO 201 - Principles of Biology: Cells

Introduction to principles governing living systems, especially the cellular and molecular basis of life and the transmission and utilization of genetic information. The lab for this course is BIOL 201.

Credit Hours: 3

Prerequisite or Corequisite Courses: BIOL 201
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

BIOL 201 - Principles of Biology: Cells Laboratory

Introduction to basic cell biology sampling techniques and data analysis. Experience in laboratory approaches to introduce basic investigative skills and methods of

biological inquiry. This course is the lab for BIO 201.

Credit Hours: 1

Prerequisite or Corequisite Courses: BIO 201
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

BIO 202 - Principles of Biology: Biodiversity

Evolution, classification, and diversity of life, stressing morphology, physiology, principles of adaptation, and relationships between biotic and abiotic components of ecosystems. The lab for this course is BIOL 202.

Credit Hours: 3

Prerequisite or Corequisite Courses: BIOL 202
University Studies: Building Competencies/Information Literacy, Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

BIOL 202 - Principles of Biology: Biodiversity Laboratory

Introduction to basic biodiversity sampling techniques and data analysis. Experience in laboratory approaches to introduce major taxonomic groups and biotic principles. This course is the lab for BIO 202.

Credit Hours: 1

Prerequisite or Corequisite Courses: BIO 202
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

BIO 318 - Invertebrate Zoology

Survey of invertebrate animals with emphasis on the structure, function, phylogeny, ecology, and life histories of marine taxa. The lab for this course is BIOL 318.

Credit Hours: 3

Corequisite Courses: BIOL 318

Prerequisite Courses: BIO 201 and BIO 202.
Course Repeatability: Course may not be repeated.

BIOL 318 - Invertebrate Zoology Laboratory

Introduction to invertebrate sampling techniques and data analysis. Experience in species identification with emphasis on the structure, function, phylogeny, ecology, and life histories of marine taxa. This course is the lab for BIO 318.

Corequisite Courses: BIO 318
Prerequisite Courses: BIO 201 and BIO 202.
Course Repeatability: Course may not be repeated.

BIO 363 - Coral Reef Ecology

Ecology and physiology of coral reef organisms, emphasizing processes that contribute to the function and complexity of coral reef ecosystems. Reef information and geology, coral biology and physiology, ecological interactions, human effects, global effects, and conversation will be considered. The lab for this course is BIOL 363.

Credit Hours: 3

Prerequisite Courses: BIO 201 and BIO 202.
Course Repeatability: Course may not be repeated.

BIOL 363 - Coral Reef Ecology Laboratory

Methods for studying coral reef taxa, community structure, coral physiology, and ecological processes will be explored. Independent project required.

Credit Hours: 1

Prerequisite or Corequisite Courses: BIO 363
Prerequisite Courses: BIO 201, BIO 202
Course Repeatability: Course may not be repeated.

BIO 366 - Ecology

An introduction to basic ecological principles as they pertain to individual organisms, populations, communities and systems. The lab for this course is BIOL 366.

Credit Hours: 3

Prerequisite Courses: BIO 201 and BIO 202
Course Repeatability: Course may not be repeated.

BIOL 366 - Ecology Laboratory

Introduction to ecological sampling techniques and data analysis. Experience in field sampling, laboratory and computer modeling of sampling approaches, and scientific writing is also included. This course is the lab for BIO 366. This course is the lab for BIO 366.

Credit Hours: 1

Prerequisite or Corequisite Courses: BIO 366
University Studies: Building Competencies/Writing Intensive, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

BIO 367 - Antarctic Ecology, Geology, History, and Policy

An in-depth examination of the frozen continent including its geologic origins, ice sheet formation, and fossil record. Its unique ecology, endemic wildlife, discovery and human history, anthropogenic impacts, and current international agreements to protect

resources will also be examined. Open to juniors and seniors from all major departments. Also offered as BIO 585 with additional requirements.

Credit Hours: 3

Prerequisite Courses: BIO 201 and BIO 202
Course Repeatability: Course may not be repeated.

BIO 434 - Coastal Marine Ecology

An in-depth study of the major processes controlling populations and structuring coastal marine communities. Emphasis is on the review and discussion of important historical and recent scientific papers.

Credit Hours: 3

Prerequisite Courses: BIO 366 or BIO 362
Course Repeatability: Course may not be repeated.

BIO 458 - Fisheries Biology

An examination of the factors that control the population dynamics of fishes. Introduction to the

principles of fisheries science including estimation of population metrics such as age, growth, mortality, and abundance, fish stock assessment, and fishery management strategies. The lab for this course is BIOL 458.

Credit Hours: 3

Prerequisite Courses: BIO 366 or BIO 362
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

BIO 460 - Limnology

An examination of the physical, chemical, and biological characteristics of freshwater systems, particularly lakes and ponds. The lab for this course is BIOL 460.

Credit Hours: 3

Prerequisite Courses: BIO 201 and BIO 202, and CHM 102 and CHML 102.
Additional Restrictions/Requirements: Junior or

senior standing.
Course Repeatability: Course may not be repeated.

BIO 462 - Deep Sea Biology

Study of deep-sea biosphere, with emphasis on the biology of abyssal zones off the North Carolina coast and hydrothermal vent ecosystems. Topics include unique benthic and pelagic animals in deep-sea environments and their physiological adaptations to hydrostatic pressure and low temperature, nutritional dynamics, reproductive strategies, energy flow, and speciation in abyssal and ultra abyssal zones.

Credit Hours: 3

Prerequisite Courses: BIO 362
Course Repeatability: Course may not be repeated.

BIO 489 - Benthic Ecology

The scientific study of the organisms and processes that structure coastal benthic communities. Benthic communities encompass the vast seafloor areas of estuaries and oceans and support aquatic communities, fisheries, larger species of interest, and

critical ecosystem processes.

Credit Hours: 3

Prerequisite Courses: BIO 201, BIO 202, BIO 366.
Course Repeatability: Course may not be repeated.

CHM 101 - General Chemistry I

Overview of the fundamental laws, principles and theories of chemistry. A 'C' or better in CHM 101 is required to take certain advanced courses in chemistry.

Credit Hours: 3

Corequisite Courses: CHML 101.
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

CHML 101 - General Chemistry Laboratory I

Introduction to general chemistry laboratory techniques. This course is the lab companion course for general chemistry lecture CHM 101.

Credit Hours: 1

Corequisite Courses: CHM 101.
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

CHM 102 - General Chemistry II

Study of the fundamental laws, principles and theories of chemistry. Introduction to inorganic chemistry. Interpretation of experimental results. A 'C' or better in CHM 102 is required to take certain advanced courses in chemistry.

Credit Hours: 3

Corequisite Courses: CHML 102.
Prerequisite Courses: CHM 101 and CHML 101.
Course Repeatability: Course may not be repeated.

CHML 102 - General Chemistry Laboratory II

Introduction to techniques and equipment used in the chemical laboratory. Interpretation of experimental results. This course is the lab for CHM 102 .

Credit Hours: 1

Corequisite Courses: CHM 102.
Prerequisite Courses: CHML 101, CHM 101.
Course Repeatability: Course may not be repeated.

CHM 211 - Organic Chemistry I

Introduction to the chemistry of carbon compounds, including structure, reactions, mechanisms, and the concepts of organic synthesis. It is strongly recommended that students take the lab (CHML 211) concurrently with the lecture. The lab for this course is CHML 211.

Credit Hours: 3

Prerequisite Courses: CHM 102
Course Repeatability: Course may not be repeated.

CHM 212 - Organic Chemistry II

Reactions and reaction mechanisms of organic compounds. A 'C' or better in CHM 212 is required to take certain advanced courses in chemistry. The lab for this course is CHML 212. It is strongly recommended that students take the lab (CHML 212) concurrently with the lecture.

Credit Hours: 3

Prerequisite Courses: CHM 211 with a minimum grade of C
Course Repeatability: Course may not be repeated.

CHM 235 - Quantitative Analysis

Data analysis and statistical methods; chemical equilibrium and analytical applications; volumetric analysis and spectrophotometry; acid-base chemistry; activities and other topics as time permits. Normally taken concurrently with CHML 235. The lab for this course is CHML 235.

Credit Hours: 3

Prerequisite Courses: CHM 101 and CHML 101, and

CHM 102 and CHML 102 with a minimum grade of C.
Course Repeatability: Course may not be repeated.

CHML 235 - Quantitative Analysis Laboratory

Laboratory techniques in classical and modern chemical analysis, including volumetric analysis, chromatography, and spectrophotometry. Application of statistical methods to laboratory data. Chemical equilibrium. This course is the lab for CHM 235.

Credit Hours: 1

Prerequisite or Corequisite Courses: CHM 235.
Course Repeatability: Course may not be repeated.

CHM 312 - Advanced Techniques Organic Chemistry

Theory and practice of chromatographic methods of separation and spectroscopic methods of identification.

Credit Hours: 2

Prerequisite Courses: CHM 212 with a minimum

grade of C.
Course Repeatability: Course may not be repeated.

CHM 321 - Physical Chemistry II: Thermodynamics and Kinetics

An overview of topics in physical chemistry stressing fundamental concepts in thermodynamics and kinetics. The lab for this course is CHML 321.

Credit Hours: 3

Prerequisite Courses: CHM 320.
Course Repeatability: Course may not be repeated.

CHM 365 - Biochemistry I

The structures of macromolecules, amino acids and vitamins, and the chemical principles governing their actions. Solution properties of macromolecules, enzyme kinetics and mechanisms, and metabolic regulation, emphasizing organic/physical chemistry. Basics of nucleic acids and biological transfer information.

Credit Hours: 3

Prerequisite Courses: BIO 201 and CHM 212.
University Studies: Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

CHM 377 - Environmental Chemistry

Introduction to the chemistry of air, soil, and natural waters. Processes of environmental degradation, cleanup, and pollution prevention. Selected current topics. The lab for this course is CHML 377.

Credit Hours: 3

Prerequisite Courses: CHM 102 and CHML 102.
Course Repeatability: Course may not be repeated.

CHML 377 - Environmental Chemistry Laboratory

Laboratory analysis of environmental samples, including applications of standard EPA methods. This course is the lab for CHM 377.

Credit Hours: 1

Corequisite Courses: CHM 377
Course Repeatability: Course may not be repeated.

CHM 435 - Instrumental Analysis

Study of modern analytical instrumentation and techniques. Emphasis on spectroscopic, separation, electrochemical, and materials analysis techniques.

Credit Hours: 3

Corequisite Courses: CHML 435.
Prerequisite Courses: CHM 235 and CHML 235 and CHM 312 with grades of "C-" or better, and PHY 102 or PHY 202.
Course Repeatability: Course may not be repeated.

CHML 435 - Instrumental Analysis Lab

Theory and application of modern analytical instrumentation and techniques. Emphasis on atomic spectroscopy, molecular spectroscopy, chromatography, electrochemistry, mass spectrometry, statistical analysis, report writing, and laboratory safety.

Credit Hours: 2

Corequisite Courses: CHM 435.
Prerequisite Courses: CHML 235
Course Repeatability: Course may not be repeated.

CHM 445 - Inorganic Chemistry

Study of periodic relationships; crystal lattice theory; transition metals and ions; crystal field theory; organometallic structures and reactions; and reaction mechanisms. The lab for this course is CHML 445.

Credit Hours: 3

Prerequisite Courses: CHM 320 with a minimum grade of C and CHM 350 with a minimum grade of C
Course Repeatability: Course may not be repeated.

DSC 301 - Introduction to Machine Learning

Introduction to machine learning, including necessary linear algebra topics, such as vectors, matrices, eigenvalues, eigenvectors, symmetric matrices and singular value decompositions. Considers gradient descent methods to optimize predictive and

classification models, dimension reduction, clustering, cross validation, grid search, data visualization and dashboards.

Credit Hours: 3

Prerequisite Courses: MAT 151 or MAT 161.
Course Repeatability: Course may not be repeated.

DSC 302 - Foundations of Data Science

Foundational topics in the field of Data Science Topics to include data cleaning, Structured Query Language (SQL), data manipulation, visualizations, elementary classification, and machine learning.

Credit Hours: 3

Prerequisite Courses: MAT 151 or MAT 161.
Course Repeatability: Course may not be repeated.

ECN 330 - Natural Resource Economics

Economic principles are developed and applied to evaluate public and private decisions involving the use and allocation of natural resources. Optimal control

theory is developed and applied to the management of natural resources. Attention is given to specific resources management areas such as forests and fisheries. The feasibility of alternatives for public policy is evaluated.

Credit Hours: 3

Prerequisite Courses: ECN 125 or ECN 221
Crosslisting: EVS 330
Course Repeatability: Course may not be repeated.

EGN 310 - Fluid Mechanics for Engineers

Fluid mechanics uses knowledge from mathematics, physics, statics, and dynamics to analyze problems involving the fluid medium. Topics include fluid properties, hydrostatic pressure, pressure on surfaces, conservative equations of mass, momentum and energy, pumps and turbines, open channel flows, and pipe flows in relation to real world engineering problems.

Credit Hours: 3

Prerequisite Courses: MAT 361 and EGN 201 (C- or better)
Course Repeatability: Course may not be repeated.

EGN 311 - Coastal Engineering and Fluids Lab

Applied methods in laboratory investigations into coastal engineering and fluid mechanics principles in a sequence of seven experiments: hydrostatic pressure on submerged surface, stability of a floating body, flow from a hole, hydraulic jump, flow measurement, wave measurements in a wave flume, and beach sediment analysis.

Credit Hours: 1

Prerequisite Courses: EGN 330 (C- or better)
Course Repeatability: Course may not be repeated.

EGN 320 - Water Resources Engineering

Introduction to quantitative methods in water resource systems. Topics include hydrology, precipitation, hydrograph analysis, reservoir and steam routing; groundwater, Darcy equation, well equation, well design; probability concepts in design; water law;dams;

reserviors; spillways; open channel and pipe network hydraulics; pumps; urban stormwater drainage; flood damage mitigation.

Credit Hours: 3

Prerequisite Courses: EGN 310 (C- or better)
Course Repeatability: Course may not be repeated.

EGN 330 - Coastal Wave Mechanics

Examination of the mechanics of water wave motion using linear and non-linear wave theories. Exploration of wave generation, forecasting and measurement. Covers wave propagation and transformation from offshore to the nearshore where waves interact with the bottom causing shoaling, breaking and initiating sediment movement.

Credit Hours: 3

Prerequisite Courses: MAT 361
Course Repeatability: Course may not be repeated.

EGN 340 - Matlab for Engineering Analysis

An introduction to the MATrix LABoratory (MATLAB) software. Topics to be covered include: basic programming; data management and manipulation; curve fitting and interpolation; image processing; advanced 3D plotting and movie generation; and basic applied numerical methods.

Credit Hours: 3

Prerequisite Courses: MAT 261.
Course Repeatability: Course may not be repeated.

EGN 401 - Sediment Transport Processes

This course will examine the physical processes of sandy beaches, coastal sediments, surf zone dynamics, beach profile evolution and cross-shore and longshore sediment transport. The class will also cover beach profile response and sediment transport as a result of waves, currents and storms.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

EGN 410 - Field Methods in Coastal Engineering

Introduction to the concepts, instrumentation, and field methods used to observe physical processes specific to the highly-dynamic coastal environment, such as wind, waves, currents, tides, and sediment transport. Hands-on experience in operating, deploying, and analyzing data from sensors that measure waves and currents, as well as with advanced surveying techniques for monitoring beach morphology (e.g., LIDAR, RTK GPS, and SONAR).

Credit Hours: 3

Prerequisite Courses: EGN 340 (C- or better) and EGN 330 (C- or better).
Course Repeatability: Course may not be repeated.

EGN 402 - Dredging and Beach Nourishment

This course will examine types of dredges and their operation and the process of dredging for beach nourishment. Students will learn about the elements of beach nourishment design including cross-shore and planform design considerations, borrow areas (upland, offshore and inlets), environmental effects of beach

nourishment and current dredging/beach nourishment costs. Numerical modeling of beach and dune erosion, shoreline change and storm induced impacts will be introduced. Local examples and ongoing beach nourishment projects will be examined.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

EGN 420 - Applied Coastal Modeling

Provides the knowledge and tools necessary to apply state of the art numerical models in coastal settings. Specific models vary depending on the instructor's expertise. Examples include ADCIRC, FUNWAVE, DELFT3D, or XBeach.

Credit Hours: 3

Prerequisite Courses: EGN 340 (C- or better) and EGN 330 (C- or better).
Course Repeatability: Course may not be repeated.

EGN 430 - Coastal Structures

Examine the functional design of coastal structures distinguishing between groins, jetties, seawalls, breakwaters, revetments and bulkhealds. Hydraulic design and structural stability as a result of breaking and non-breaking wave loading are also covered. In addtion, students examine the materials used and cost implications of coastal structures.

Credit Hours: 3

Prerequisite Courses: EGN 301 (C- or better) and EGN 330 (C- or better).
Course Repeatability: Course may not be repeated.

EVS 195 - Introduction to Environmental Sciences

Interdisciplinary introduction to the scope and application of environmental sciences. Emphasis on integrated analysis of environmental principles and discussions centering on current environmental problems. The lab for this course is EVSL 195.

Credit Hours: 3

Additional Restrictions/Requirements: EVS 195 and EVSL 195 may be taken in different semesters.
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

EVS 445 - Environmental Conservation

A scientific exploration of conservation theories and practices to understand the challenges of protecting, maintaining, and restoring biological diversity to Earth's many environs.

Credit Hours: 3

Prerequisite Courses: EVS 195, EVSL 195, BIO 366, BIOL 366.
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

EVS 452 - Offshore Energy & Resource Management

Introduction to the fundamental concepts behind offshore energy and resource management. Examination of a range of marine resources, including offshore oil and gas; wave, wind and tidal energy; and marine minerals. Discussion of the historical evolution, technological developments, challenges and potential impacts of each offshore resource. Additional Course Fees: Student Blanket Professional Liability Insurance.

Credit Hours: 3

Additional Restrictions/Requirements: Junior or senior standing, or permission of instructor.
Course Repeatability: Course may not be repeated.

EVS 455 - Geospatial Analysis for Coastal Management

Examination of coastal issues and management using a problem-based GIS approach. Topics include developing a GIS, managing data acquired from different sources, creating new data, describing data, and generating desired outputs. Student projects utilize various GIS programs, extensions and equipment. Additional Course Fees: Student Blanket

Professional Liability Insurance.

Credit Hours: 3

Prerequisite Courses: GGY 321, or instructor approval.
Course Repeatability: Course may not be repeated.

EVS 472 - Coastal Protected Areas Management

Study of resource management focused on protected areas maintained by government agencies and by private non-profit organization. Emphasis will be on natural area significance, site selection, management plan development, policy formulation, protection options, use conflicts, and public relations.

Credit Hours: 3

Prerequisite Courses: EVS 195 and EVS 360
Additional Restrictions/Requirements: Prerequisite courses or consent of the Instructor.
Course Repeatability: Course may not be repeated.

EVS 483 - Fisheries Policy and Management

Overview of fisheries policy and management. Considers important international, national, and regional fisheries, with extended consideration of North Carolina fisheries. Reviews fisheries management agencies, policies, data sources, trends and issues. Examines common biological fishery models, fishing methods and gear, and fishery regulations. Explores methods for assessing the economic impacts of fishing and the recreational value of fishing.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

GGY 222 - Quantitative Methods in Earth Sciences

Use and interpretation of statistical techniques in geographic and geologic research. The course emphasizes problem identification, data collection and interpretation through assignments covering specific kinds of statistical methods.

Credit Hours: 3

University Studies: Building Competencies/Information Literacy, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

GGY 230 - Introduction to Weather and Climate

Examination of general climatic characteristics through space and time, especially as influenced by controls upon temperature, wind and moisture distributions, and by planetary, regional and local atmospheric disturbances.

Credit Hours: 3

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

GGY 321 - Introduction to Geographic Information Systems

Introduces fundamental concepts and principles of Geographic Information Systems (GIS). Tools,

functions, and capabilities of GIS desktop software (e.g. ArcGIS or QGIS) are explained and used to visualize and manipulate geospatial data.

Credit Hours: 3

Prerequisite Courses: GGY 130 or GGY 215 or GLY 101 or GLY 120 or OCN 150 or EVS 195 or EGN 102.
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

GGY 322 - Introduction to Remote Sensing

Theory and application of remote sensing techniques and software applications for environmental sciences, geography, earth sciences, hydrology, archaeology, forestry, and public health. Includes satellite data collection, digital image processing, multispectral image analysis, introduction to thermal infrared and microwave data through laboratory exercises. Students work in small groups to apply remote sensing concepts to solve complex problems. Two lecture and two laboratory hours each week.

Credit Hours: 3

Prerequisite Courses: GGY 130 or GGY 215 or GLY 101 or GLY 120 or OCN 150 or EVS 195 or consent of instructor.
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

GGY 333 - Applied Climatology

The spatial distribution and character of climates, their relation to other elements of the environment and to human activities. Students work individually or in small groups to solve problems through applications of climate principles and data.

Credit Hours: 3

Prerequisite Courses: GGY 130 or GGY 230
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

GGY 383 - Geography of Islands and Coasts

The study of islands and coasts as unique geographic features. Explores the physical processes of islands and coasts, the environmental history of islands and coasts, and current environmental issues unique to islands and coasts.

Credit Hours: 3

Prerequisite Courses: GGY 101 or consent of instructor.
Course Repeatability: Course may not be repeated.

GGY 421 - Spatial Programming

Introduction to GIS programming. The course will focus on how to customize applications and streamline spatial analysis, and is designed to improve students' skills in conducting sophisticated spatial analysis and adapting to new technologies and programming languages. Two lecture and two laboratory hours each week.

Credit Hours: 3

Prerequisite Courses: GGY 321 or consent of instructor
Course Repeatability: Course may not be repeated.

GGY 424 - Advanced Geographic Information Systems

Advanced theory and application of the use of Geographic Information Systems (GIS), spatial data collection, data structures, data management, and relational databases, spatial analysis, and display of geographic information in a computer-based environment. Lectures, demonstrations, and lab exercises. Two lecture and two laboratory hours each week.

Credit Hours: 3

Prerequisite Courses: GGY 321 or consent of instructor
University Studies: Explorations Beyond the Classroom
Crosslisting: GGY 524
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

GGY 426 - Environmental Geographic Information Systems

Overview of environmental applications of GIS including planning, date development, and analysis of the data, and oral and written presentation of the results. Students work individually or in small groups to remediate an environmental problem. Two lecture and two laboratory hours each week.

Credit Hours: 3

Prerequisite Courses: GGY 321 or consent of instructor
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Crosslisting: GGY 526
Course Repeatability: Course may not be repeated.

GGY 428 - Advanced Remote Sensing

Advanced theory and application of remote sensing techniques and software applications for environmental sciences, geography, earth sciences, hydrology, archaeology, and forestry. Includes satellite data collection, advanced classification methods,

hyperspectral and microwave image analysis, and satellite elevation data construction. Two lecture and two laboratory hours each week.

Credit Hours: 3

Prerequisite Courses: GGY 322
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Crosslisting: GGY 528
Course Repeatability: Course may not be repeated.

GGY 429 - Aerial Drone Applications in Geoscience

Introduction to the applications of unmanned aerial systems (UAS, or drones) in the geosciences. The course will cover an introduction to remote sensing and photogrammetry, the basics of UAS regulatory frameworks, and data collection and processing, with at least 40% of the class devoted to data collection in the field.

Credit Hours: 3

Prerequisite Courses: GGY 321 or GGY 322 or consent of instructor
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.

GGY 433 - Weather Analysis and Forecasting

Introduction to tools of weather analysis and use of these tools to construct weather forecasts.

Credit Hours: 3

Prerequisite Courses: GGY 230 and GGY 333
Course Repeatability: Course may not be repeated.

GGY 436 - Ice Age Earth

A review of the Quaternary Period, roughly the last two million years of earth history. Topics included the discovery of the ice age, climate change theory, glacial dynamics, geological and biological records of environmental change, and human evolution and migration during the Quaternary.

Credit Hours: 3

Prerequisite Courses: GGY 130 or GGY 230 or GLY 101 or OCN 150.
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

GLY 335 - Geomorphology

A systematic treatment of the surface processes that shape fluvial, glacial, aeolian, and coastal landforms. Themes include process mechanics, description and classification of landforms, and evolution of landform systems. Students work individually or in a small groups to analyze geomorphological data in field and laboratory settings.

Credit Hours: 4

Prerequisite Courses: (GGY 130 or GLY 101 or GLY 120) and GLYL 120
Crosslisting: GGY 335
Course Repeatability: Course may not be repeated.

GLY 337 - Invertebrate Paleontology

History of fossil protistans and invertebrates with emphasis on the principles of paleontology, systematics and evolution, and on the use of fossils in stratigraphic correlation. Required field trips. Two lecture and two laboratory hours each week.

Credit Hours: 3

Prerequisite Courses: GLY 132
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
University Studies: Building Competencies/Writing Intensive, Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

GLY 390 - Field Methods in Geosciences

Applied study of geological materials and processes in field settings. Introduction to methods and techniques used in the geosciences including field measurement, sample retrieval and data analysis. Colloquium and required field trips.

Credit Hours: 2

Prerequisite Courses: GLY 132
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
University Studies: Explorations Beyond the Classroom, Common Requirements/Critical Reasoning
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 4 **Repeat Limit:** 2
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

GLY 420 - Global Climate Change

Analysis of natural and anthropogenic global climate change with an emphasis on future global climate change. Topics include Earth's energy balance, the global carbon cycle, climate modeling, atmospheric composition, and dynamics. Review of geographical variation in climate change.

Credit Hours: 3

Prerequisite Courses: GGY 230
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.

University Studies: Building Competencies/Writing Intensive
Crosslisting: GGY 420, PHY 420
Course Repeatability: Course may not be repeated.

GLY 426 - Geohydrology

Geology of groundwater and related aspects of surface waters. Methods of ground water resource evaluation, protection, exploitation, and contaminant remediation.

Credit Hours: 3

Prerequisite Courses: (GLY 101 or GLY 120 or OCN 150 or GGY 130), and (MAT 112 or MAT 160 or MAT 152 or MAT 161)
Additional Restrictions/Requirements: Junior or senior standing in geology, geoscience, geography, oceanography and/or environmental sciences, prerequisite courses, and consent of instructor.
Crosslisting: GLY 526
Course Repeatability: Course may not be repeated.

GLY 431 - Sedimentology and Stratigraphy

Introduction to the observation, description, and interpretation of sediment and sedimentary rock; the physical and chemical processes controlling weathering, sediment transport, deposition, and diagenesis; and the interpretation of depositional environments and layered rock successions. Field trips; fees may be required. Three lecture and three laboratory hours each week.

Credit Hours: 4

Prerequisite Courses: GLY 310 or permission of instructor.
University Studies: Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

GLY 439 - Paleoclimatology

Climatic change throughout geologic time, with an emphasis on Quatenary climate change. Topics include an overview of Earth's climate system, tectonic-scale, orbital-scale, millennial-scale, and future climate change.

Credit Hours: 3

Prerequisite Courses: GGY 130 or GGY 230 or GLY 101
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
University Studies: Building Competencies/Writing Intensive
Crosslisting: GLY 539
Course Repeatability: Course may not be repeated.

GLY 443 - Tectonics

Explores ideas on plate tectonic theory including assessment of data that lead to its acceptance. Examines a broad range of tectonic principles and dynamics using modern and ancient examples, and considers controls on geological and geophysical processes from Earth's core to crust. Includes geometry of present and past plate boundaries and motions, development of plates including sea-floor spreading, subduction, and orogeny, evolution of continents and ocean basins, and tectonic driving mechanisms.

Credit Hours: 3

Prerequisite Courses: GLY 201 or GLY 310 or GLY 441
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Crosslisting: GLY 543
Course Repeatability: Course may not be repeated.

GLY 454 - Coastal Geomorphology

Provides an in-depth analysis of the coastal landforms that line the world's coasts. Understanding how these land forms are created, evolve and erode is necessary to understanding the spatiotemporal evolution of the coastal zone.

Credit Hours: 3

Prerequisite Courses: OCN 150 or OCN 250 or GLY 101 or GLY 120 or GLY 125 or GGY 130 or EVS 195
Course Repeatability: Course may not be repeated.

GLY 465 - Introduction to Geophysics

Integrated application of geophysical methods to solve environmental and geologic problems. Includes discussion of reflection/refraction seismology, ground penetrating radar and gravity. Two lectures and three laboratory hours each week.

Credit Hours: 3

Prerequisite Courses: GLY 101 and (MAT 112 or MAT 160 or MAT 152 or MAT 161)
Crosslisting: GLY 565.
Course Repeatability: Course may not be repeated.

GLY 472 - Introduction to Geochemistry

Investigation of the abundance and distribution of chemical elements in the Earth's crust, mantle, atmosphere, hydrosphere, and biosphere. Introduction to thermodynamics, phase and mineral equilibrium, stable and radiogenic isotopes, and geochronology. Emphasizes the application of geochemical processes to solving geologic and environment problems, with selected examples from field and laboratory studies.

Credit Hours: 3

Prerequisite Courses: GLY 101 and CHM 101 and CHML 101.
Additional Restrictions/Requirements: Prerequisite courses and consent of instructor.
Crosslisting: GLY 572
Course Repeatability: Course may not be repeated.

GLY 473 - Isotope Geochemistry

Introduction to the use of radio and stable isotopes for studying environmental processes; radioactive decay and the applications of radioisotopes at daily to earth history time scales; isotopic fractionation, and applications of stable isotopes in modern and paleoenvironments.

Credit Hours: 3

Prerequisite Courses: CHM 101 and CHML 101, and CHM 102 and CHML 102.
Additional Restrictions/Requirements: Prerequisite courses and consent of instructor.
Crosslisting: GLY 573
Course Repeatability: Course may not be repeated.

MAT 335 - Linear Algebra and Matrices

Systems of linear equations, vector spaces, algebra of matrices and linear transformations, determinants, eigenvalues and eigenvectors, applications.

Credit Hours: 3

Prerequisite Courses: MAT 161
Course Repeatability: Course may not be repeated.

MAT 361 - Differential Equations

Theory, methods of solution, and applications of ordinary differential equations with emphasis on first and second order (linear and nonlinear) equations, and systems of first order equations. Methods used include Laplace transforms, matrices, eigenvalues and eigenvectors. Additional topics from power series solutions and numerical methods.

Credit Hours: 3

Prerequisite Courses: MAT 162.
Course Repeatability: Course may not be repeated.

MAT 365 - Vector Calculus

A thorough study of differential and integral calculus of vector-valued functions of a vector variable. Jacobians, inverse and implicit function theorems, change of variables in multiple integrals; theorems of Green, Gauss, and Stokes; applications.

Credit Hours: 3

Prerequisite Courses: MAT 261 and MAT 335
Course Repeatability: Course may not be repeated.

MAT 418 - Partial Differential Equations I

A thorough treatment of the solution of initial and boundary value problems of partial differential equations in one, two, and three dimensions. Topics include classification of partial differential equations, the method of characteristics, separation of variables, Fourier analysis, special functions, Sturm-Liouville theory, and some numerical methods.

Credit Hours: 3

Prerequisite Courses: MAT 361

Crosslisting: MAT 518
Course Repeatability: Course may not be repeated.

PHY 101 - Elementary College Physics I

First semester of a two semester algebra-based introduction to the fundamental principles of physics. Topics include kinematics, Newtonian statics and dynamics, gravitation, oscillations, and mechanical waves.

Credit Hours: 4

Prerequisite or Corequisite Courses: MAT 111 or MAT 112 or MAT 150 or MAT 151 or MAT 160 or MAT 161
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

PHY 102 - Elementary College Physics II

Second semester of a two semester algebra-based introduction to the fundamental principles of physics. Topics include electric and magnetic fields, circuits,

electromagnetic waves, and optics.

Credit Hours: 4

Prerequisite Courses: PHY 101
Course Repeatability: Course may not be repeated.

PHY 106 - Physics of Sailing

Application of physics principles to sailing. Topics include kinetics, vectors, Newtonian mechanics, and fluid mechanics. Basic keelboat sailing is taught in the laboratory component, leading to American Sailing Association ASA 101, certification. Three lecture and two laboratory hours each week. Fee required.

Credit Hours: 4

Prerequisite or Corequisite Courses: MAT 111 or MAT 112 or MAT 150 or MAT 151 or MAT 160 or MAT 161
Course Repeatability: Course may not be repeated.

PHY 201 - General Physics I

First semester of a two semester calculus-based introduction to the fundamental principles of physics for the physical and mathematical sciences. Topics include kinematics, Newtonian statics and dynamics, gravitation, oscillations, and mechanical waves.

Credit Hours: 4

Prerequisite or Corequisite Courses: MAT 161
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

PHY 202 - General Physics II

Second semester of a two semester calculus-based introduction to the fundamental principles of physics for the physical and mathematical sciences. Topics include electric and magnetic fields, circuits, Maxwell's equations, electromagnetic waves, and optics.

Credit Hours: 4

Prerequisite or Corequisite Courses: MAT 162

Prerequisite Courses: PHY 201
Course Repeatability: Course may not be repeated.

PHY 350 - Fluid Mechanics

Emphasizes fundamental physical principles; fluid statics, fluid kinematics, integral and differential forms of the conservation laws for mass, momentum and energy; Bernoulli equation; laminar flows; potential flows; vorticity dynamics; dyanamic similarity; boundary layers; turbulence.

Credit Hours: 3

Prerequisite Courses: PHY 321 or MAT 361
Course Repeatability: Course may not be repeated.

PHY 477 - Observational Methods in Physical Oceanography

Description of instrumentation used to measure temperature, salinity, pressure, and current in the ocean. Hands-on use of techniques and instrumentation to collect and analyze real oceanographic data. Credit is not allowed for both PHY 477 and PHY 577.

Credit Hours: 3

Prerequisite Courses: PHY 315 and PHY 475
University Studies: Explorations Beyond the Classroom, Building Competencies/Writing Intensive
Crosslisting: PHY 577
Course Repeatability: Course may not be repeated.
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

PHY 478 - Geophysical Fluid Dynamics

The fundamental principles governing the flow of a density-stratified fluid on a rotating planet, with applications to the motions of the ocean and atmosphere. Equations of state, compressibility, Boussinesq approximation. Geostrophic balance, Rossby number. Poincare, Kelvin, Rossby waves, and geostrophic adjustment. Credit is not allowed for both PHY 478 and PHY 578.

Credit Hours: 3

Corequisite Courses: PHY 475

Prerequisite Courses: PHY 350
Crosslisting: PHY 578
Course Repeatability: Course may not be repeated.

PHY 479 - Ocean Circulation Systems

Focus on results of World Ocean Circulation Experiment (WOCE), a multi-national, multi-decadal program designed to observe the global ocean. Explores large-scale circulation and properties of the ocean as foundation for understanding the future of the world oceans and their role in climate change. Credit is not allowed for both PHY 479 and PHY 579.

Credit Hours: 3

Prerequisite Courses: PHY 475
Crosslisting: PHY 579
Course Repeatability: Course may not be repeated.

PHY 480 - Coastal And Estuarine Systems

Introduction to the physical processes operating within coastal and estuarine systems. Focus on the dynamical description of topics such as gravity waves, surf zone hydrodynamics, storm surge, tides, estuarine

hydraulics, sediment transport, and morphodynamics. Credit is not allowed for both PHY 480 and PHY 580.

Credit Hours: 3

Prerequisite Courses: PHY 475
Crosslisting: PHY 580
Course Repeatability: Course may not be repeated.

PLS 329 - Ocean and Coastal Law and Policy

National and international laws and policies concerning the ocean. Topics include: fisheries management, marine mammal protection, shipping and navigation, oil and chemical pollution, coastal and wetlands protection, submerged lands, riparian rights, and public access to coastal lands and waters.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

PLS 370 - Global Environmental Governance

Explores international environmental negotiations and agreements of global environmental problems

regarding overfishing, climate change, deforestation, biodiversity loss, trans-boundary pollutants, and water scarcity. Examines the debate surrounding sustainable development, ecological justice, and conflicts around resource scarcity.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

STT 215 - Introduction to Statistics

Methods of data collection; numerical and graphical analyses of univariate and bivariate data; axioms of probability; conditional probability; independence; distributions of random variables; introduction to confidence intervals and hypothesis testing; simple linear regression and correlation; use of statistical software to analyze data and simulate random variables.

Credit Hours: 3

University Studies: Foundations/Mathematics and

Statistics

Course Repeatability: Course may not be repeated.

Appropriate 280, 480, 491 and other relevant courses in BIO, CHM, EGN, EVS, GGY, GLY, or PHY can be applied as electives with the approval of the program director and the Earth and Ocean Sciences department chair.

Total Credit Hours: 60-63

Philosophy and Religion, B.A.

The Bachelor of Arts (BA) in Philosophy and Religion offers students an interdisciplinary pathway for studying philosophical and religious traditions around the world. Students who complete this BA develop critical skills in analytical thinking, reasoning and logic, cultural and historical awareness, information literacy, and thoughtful expression, all of which are essential for navigating global politics, economic contexts, and professional life, as well as for engaging with peoples of different philosophical and religious backgrounds. Courses in philosophy explore questions in metaphysics, epistemology, logic, philosophy of science, ethics, bioethics, social and political philosophy, and aesthetics. They teach students how to

analyze complex questions such as: how to live ethically, how to form beliefs properly, how to reason well, how to understand the connection between the mind and body, how to understand justice, and how to live a fulfilling life. Courses in religion examine the history, peoples, practices, beliefs, and objects of Africana Religions, Indigenous lifeways, Judaism, Catholicism, Protestantism, Islam, Hinduism, Buddhism, new religious movements, esoteric traditions, and other religious practices, cultures, and sensibilities. These courses train students how to interrogate the complex relationships between religion, race, racism, gender, politics, material culture, and technology.

Oral Communication Requirement:

To satisfy the oral communication requirement for the B.A. degree in Philosophy and Religion a student must successfully complete PAR 400.

Applied Learning Requirement:

To satisfy the applied learning requirement for the B.A. degree in Philosophy and Religion a student must turn in to the department chair, before graduation, an

independent research project completed in PAR 400, PAR 491, PAR 495 or PAR 499.

Requirements for a Major in Philosophy and Religion for the B.A. Degree:

B.A. degree with an emphasis in philosophy:

Philosophy Core

PAR 101 - The Big Questions: Introduction to Philosophy

Introduction to various philosophers and philosophical problems from historical, critical, and other perspectives. Addresses the big questions of human existence, such as: What is right and wrong? Does God exist? How do we know anything about the world around us? Students learn what a philosophical question is and discover just how pervasive philosophical assumptions are in life.

Credit Hours: 3

University Studies: Approaches and Perspectives/Historical and Philosophical Approaches,

Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

PAR 105 - Critical Reasoning With Artificial Intelligence

Introduction to the principles of proper reasoning through the use of generative AI. Exploration of how to assess the reasoning of AI and how to use AI to improve one's own argumentation. Study of the contrast between good and bad forms of reasoning as manifested by both humans and AI.

University Studies: Critical Reasoning
Course Repeatability: Course may not be repeated.

PAR 110 - Introduction to Logic

Introduction to the principles of logic including the rules of deduction, the categorical syllogism, induction, and fallacies. Initiation in computer logic programs.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

PAR 103 - Exploring Religions

Introduction to the academic study of religion. Explores the many diverse religions practiced around the world and the ways practitioners construct religious experiences through scriptures, art, gender, race, and community.

Credit Hours: 3

University Studies: Approaches and Perspectives/Historical and Philosophical Approaches
Course Repeatability: Course may not be repeated.

PAR 125 - Scriptures of the World's Religions

Introduction to the history and composition of scriptures of the world's religions from oral stories to words, images, objects, books, performances, sounds, and texts. Examines how scriptures in major Eastern and Western religions have constructed historical, political, social, and cultural realities through various forms of art from antiquity to today.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives, Approaches and Perspectives/Historical and Philosophical Approaches, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

PAR 115 - Introduction to Ethics

An introduction to fundamental principles, theories, and problems in ethics.

Credit Hours: 3

University Studies: Approaches and Perspectives/Historical and Philosophical Approaches, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

PAR 215 - Medical Ethics: Life and Death Decisions in Health Care

Examination of the principles and problems in the application of ethical theory to medical research and practice.

Credit Hours: 3

University Studies: Approaches and Perspectives/Historical and Philosophical Approaches
Course Repeatability: Course may not be repeated.

PAR 201 - History of Western Philosophy I

A survey of Western philosophical thought in ancient and medieval times. Emphasis on the Greek origins of the philosophical tradition. Readings from the Pre-Socratics, Plato, Aristotle, Roman philosophy and such Christian thinkers as Augustine and Thomas Aquinas.

Credit Hours: 3

University Studies: Approaches and Perspectives/Historical and Philosophical Approaches, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

PAR 202 - Modern Philosophy: Descartes to Kant

Introduction to the major topics of Western philosophy during the modern period, including skepticism, the

existence of God, and the source of our ideas. Analysis of the thought of philosophers such as Descartes, Elizabeth of Bohemia, Locke, Berkeley, Leibniz, Hume, and Kant.

Credit Hours: 3

University Studies: Approaches and Perspectives/Historical and Philosophical Approaches, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

PAR 400 - Colloquium for Majors

An interdisciplinary investigation of various philosophical and religious questions. Themes for study: the problem of evil, the relations of faith and reason, symbolism and language, meaning of freedom, and concepts of determinism. Required of majors in junior or senior year; open to qualified non-majors.

Credit Hours: 3

Additional Restrictions/Requirements: Junior or senior standing.

University Studies: Building Competencies/Writing Intensive and Information Literacy, Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 18

Electives

15 additional hours at the 300-400 level, 9 of which must be in philosophy.

B.A. degree with an emphasis in religion:

Religion Core

PAR 103 - Exploring Religions

Introduction to the academic study of religion. Explores the many diverse religions practiced around the world and the ways practitioners construct religious experiences through scriptures, art, gender, race, and community.

Credit Hours: 3

University Studies: Approaches and

Perspectives/Historical and Philosophical Approaches
Course Repeatability: Course may not be repeated.

PAR 125 - Scriptures of the World's Religions

Introduction to the history and composition of scriptures of the world's religions from oral stories to words, images, objects, books, performances, sounds, and texts. Examines how scriptures in major Eastern and Western religions have constructed historical, political, social, and cultural realities through various forms of art from antiquity to today.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives, Approaches and Perspectives/Historical and Philosophical Approaches, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

PAR 101 - The Big Questions: Introduction to Philosophy

Introduction to various philosophers and philosophical problems from historical, critical, and other perspectives. Addresses the big questions of human existence, such as: What is right and wrong? Does God exist? How do we know anything about the world around us? Students learn what a philosophical question is and discover just how pervasive philosophical assumptions are in life.

Credit Hours: 3

University Studies: Approaches and Perspectives/Historical and Philosophical Approaches, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

PAR 110 - Introduction to Logic

Introduction to the principles of logic including the rules of deduction, the categorical syllogism, induction, and fallacies. Initiation in computer logic programs.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

PAR 230 - Judaism, Christianity, and Islam

Survey of the history of Judaism, Christianity, and Islam from their origins in the Middle East over 3,500 years ago to their diverse practices, scriptures, art, and communities around the world today.

Credit Hours: 3

University Studies: Approaches and Perspectives/Historical and Philosophical Approaches, Approaches and Perspectives/Living in a Global Society, Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

PAR 232 - Asian Religions

A survey of Hinduism, Buddhism, Taoism, and Confucianism; historical aspects, basic insights, contemporary relevance.

Credit Hours: 3

University Studies: Approaches and Perspectives/Historical and Philosophical Approaches, Approaches and Perspectives/Living in a Global

Society
Course Repeatability: Course may not be repeated.

PAR 400 - Colloquium for Majors

An interdisciplinary investigation of various philosophical and religious questions. Themes for study: the problem of evil, the relations of faith and reason, symbolism and language, meaning of freedom, and concepts of determinism. Required of majors in junior or senior year; open to qualified non-majors.

Credit Hours: 3

Additional Restrictions/Requirements: Junior or senior standing.
University Studies: Building Competencies/Writing Intensive and Information Literacy, Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 18

Electives

21 additional hours at the 200-400 level: 15 hours must be at the 300-400 level, 12 of which must be in religion; 15 hours must be in religion.

Total: 36 hours

Additional Information:

An overall grade point average of "C" (2.00) or better is required in courses counted toward the major. In accordance with UNCW residency requirement, at least 15 hours at the 300-400 level must be taken at UNCW.

Physics, B.A.

The Bachelor of Arts degree in Physics is appropriate for students seeking an in-depth understanding of physics within the context of a broader education. With multiple options, this curriculum allows freedom to choose a specific area of interest while offering freedom to choose electives offered by other departments. It is ideal for students wishing to pursue double majors, matching physics with another discipline.

Oral Communication Requirement:

To satisfy the oral communication requirement for the B.A. or B.S. degree in Physics a student must successfully complete PHY 495 or any other approved oral intensive course (see list here).

Applied Learning Requirement:

To satisfy the applied learning requirement for the B.A. or B.S. degree in Physics a student must successfully complete one of the following: directed individual study in any scientific discipline; departmental honors in any science department; PHY 493, PHY 495.

Requirements for a Major in Physics for the B.A. Degree:

PHY 201 - General Physics I

First semester of a two semester calculus-based introduction to the fundamental principles of physics for the physical and mathematical sciences. Topics include kinematics, Newtonian statics and dynamics, gravitation, oscillations, and mechanical waves.

Credit Hours: 4

Prerequisite or Corequisite Courses: MAT 161
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

PHY 202 - General Physics II

Second semester of a two semester calculus-based introduction to the fundamental principles of physics for the physical and mathematical sciences. Topics include electric and magnetic fields, circuits, Maxwell's equations, electromagnetic waves, and optics.

Credit Hours: 4

Prerequisite or Corequisite Courses: MAT 162
Prerequisite Courses: PHY 201
Course Repeatability: Course may not be repeated.

PHY 335 - Modern Physics I

Introduction to special relativity and wave mechanics. First of a two-course sequence in Modern Physics.

Credit Hours: 3

Prerequisite Courses: PHY 202.
University Studies: Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

CHM 101 - General Chemistry I

Overview of the fundamental laws, principles and theories of chemistry. A 'C' or better in CHM 101 is required to take certain advanced courses in chemistry.

Credit Hours: 3

Corequisite Courses: CHML 101.
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

CHML 101 - General Chemistry Laboratory I

Introduction to general chemistry laboratory techniques. This course is the lab companion course for general chemistry lecture CHM 101.

Credit Hours: 1

Corequisite Courses: CHM 101.
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

CHM 102 - General Chemistry II

Study of the fundamental laws, principles and theories of chemistry. Introduction to inorganic chemistry. Interpretation of experimental results. A 'C' or better in CHM 102 is required to take certain advanced courses in chemistry.

Credit Hours: 3

Corequisite Courses: CHML 102.
Prerequisite Courses: CHM 101 and CHML 101.
Course Repeatability: Course may not be repeated.

CHML 102 - General Chemistry Laboratory II

Introduction to techniques and equipment used in the chemical laboratory. Interpretation of experimental results. This course is the lab for CHM 102 .

Credit Hours: 1

Corequisite Courses: CHM 102.
Prerequisite Courses: CHML 101, CHM 101.
Course Repeatability: Course may not be repeated.

MAT 161 - Calculus with Analytical Geometry I

Calculus of a single variable intended for students in the mathematical and natural sciences. Functions and limits; differentiation with applications including maxima and minima, related rates, and approximations; theory of integration with applications; and transcendental functions.

Credit Hours: 4

Prerequisite Courses: MAT 112 or MAT 160, or satisfactory performance on the UNCW mathematics placement test.
University Studies: Foundations/Mathematics and

Statistics, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

MAT 162 - Calculus with Analytical Geometry II

The second course in a three-course sequence. Further techniques and applications of integration; infinite sequences and series; conic sections, parametrized curves and polar coordinates; and, elementary differential equations.

Credit Hours: 4

Prerequisite Courses: MAT 161.
University Studies: Foundations/Mathematics and Statistics, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

MAT 261 - Multivariate Calculus

Calculus of functions of several variables. Vectors and analytic geometry of three dimensional space; partial derivatives, gradients, directional derivatives, maxima and minima; multiple integrals; line and surface integrals, Green's Theorem, Divergence Theorem, and Stokes' Theorem.

Credit Hours: 4

Prerequisite Courses: MAT 162
Course Repeatability: Course may not be repeated.

PHY 495 - Physics Seminar

Provides instruction in communication skills related to presenting scientific information such as writing papers, presenting talks, and creating posters in LaTeX for physics and physical oceanography. Students may work with individual faculty in the department leading to a presentation on their research topic.

Credit Hours: 3

Additional Restrictions/Requirements: Consent of instructor.
University Studies: Building Competencies/Writing Intensive, Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

Option 1 - General Physics

Core requirements plus:

PHY 225 - Electronics

Practical introduction to making consumer electronic circuits in three formats: breadboard prototypes; hard-wired through-hole component circuits; and surface mount-circuits, laid out using photo-lithography. Study of software tools to document and test circuit designs, and to create photo-lithographic masks to use in creating printed circuit boards.

Credit Hours: 3

Additional Restrictions/Requirements: Consent of instructor.
Course Repeatability: Course may not be repeated.

PHY 260 - Introduction to Astronomy

Descriptive course in principles, theories, and techniques of astronomy. Occasional night viewings.

Credit Hours: 3

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World

Course Repeatability: Course may not be repeated.
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

PHY 321 - Classical Dynamics I

Newtonian and Lagrangian formulations of mechanics applied to single particles and systems of particles, central forces, oscillations, and normal mode analysis. Rotating frames of reference.

Credit Hours: 4

Prerequisite or Corequisite Courses: PHY 311 or MAT 361.
Prerequisite Courses: PHY 202.
Course Repeatability: Course may not be repeated.

Plus six hours of physics course electives at the 300-400 level.

Total: 50 hours

Option 2 - Environmental Physics

Core requirements plus:

PHY 107 - Introduction to Climate Physics

Topics in algebra-based physics as applied to the global climate system and global energy balance. Introduction to the physics of the atmosphere and ocean, including vertical and meridional structure, atmospheric circulation and convection, wind-driven and thermohaline ocean circulation, climate variability and global warming, climate modeling and the modern international climate science process.

Credit Hours: 0 To 4

Course Repeatability: Course may not be repeated.

GGY 321 - Introduction to Geographic Information Systems

Introduces fundamental concepts and principles of Geographic Information Systems (GIS). Tools, functions, and capabilities of GIS desktop software (e.g. ArcGIS or QGIS) are explained and used to visualize and manipulate geospatial data.

Credit Hours: 3

Prerequisite Courses: GGY 130 or GGY 215 or GLY

101 or GLY 120 or OCN 150 or EVS 195 or EGN 102.
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

EVS 195 - Introduction to Environmental Sciences

Interdisciplinary introduction to the scope and application of environmental sciences. Emphasis on integrated analysis of environmental principles and discussions centering on current environmental problems. The lab for this course is EVSL 195.

Credit Hours: 3

Additional Restrictions/Requirements: EVS 195 and EVSL 195 may be taken in different semesters.
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

EVSL 195 - Environmental Sciences Lab

Laboratory analysis of environmental principles, resources, and problems. Application of scientific and social principles to solving current environmental problems. This course is the lab for EVS 195.

Credit Hours: 1

Prerequisite or Corequisite Courses: EVS 195
Additional Restrictions/Requirements: EVSL 195 may be taken in the same semester as EVS 195 or in a semester subsequent to EVS 195.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.

Plus six hours of electives at the 300-400 level in either physics, environmental sciences, engineering, or mathematics.

Total: 48-51 hours

Option 3 - Physical Oceanography

Core requirements plus:

MAT 335 - Linear Algebra and Matrices

Systems of linear equations, vector spaces, algebra of matrices and linear transformations, determinants, eigenvalues and eigenvectors, applications.

Credit Hours: 3

Prerequisite Courses: MAT 161
Course Repeatability: Course may not be repeated.

MAT 361 - Differential Equations

Theory, methods of solution, and applications of ordinary differential equations with emphasis on first and second order (linear and nonlinear) equations, and systems of first order equations. Methods used include Laplace transforms, matrices, eigenvalues and eigenvectors. Additional topics from power series solutions and numerical methods.

Credit Hours: 3

Prerequisite Courses: MAT 162.
Course Repeatability: Course may not be repeated.

PHY 321 - Classical Dynamics I

Newtonian and Lagrangian formulations of mechanics applied to single particles and systems of particles, central forces, oscillations, and normal mode analysis. Rotating frames of reference.

Credit Hours: 4

Prerequisite or Corequisite Courses: PHY 311 or MAT 361.
Prerequisite Courses: PHY 202.
Course Repeatability: Course may not be repeated.

PHY 350 - Fluid Mechanics

Emphasizes fundamental physical principles; fluid statics, fluid kinematics, integral and differential forms of the conservation laws for mass, momentum and energy; Bernoulli equation; laminar flows; potential flows; vorticity dynamics; dyanamic similarity; boundary layers; turbulence.

Credit Hours: 3

Prerequisite Courses: PHY 321 or MAT 361
Course Repeatability: Course may not be repeated.

PHY 470 - Data Analysis

Data analysis techniques used in experimental and applied physical science. Topics include propagation of errors, probability distributions, data reduction techniques, covariance and convolution, autocorrelation, linear regression, time series analysis, and spectral analysis.

Credit Hours: 3

Prerequisite Courses: PHY 202.
Course Repeatability: Course may not be repeated.

PHY 475 - Physical Oceanography

An introduction to the descriptive and dynamical features of ocean circulation. Topics include: the physical properties of seawater; oceanic heat budget; dynamics of ocean currents; descriptive oceanography; waves and tides.

Credit Hours: 3

Prerequisite Courses: (MAT 152 or MAT 162) and (PHY 102 or PHY 202)

Crosslisting: PHY 575
Course Repeatability: Course may not be repeated.

Plus nine hours of electives in physics, math, engineering, oceanography, geology, biology, or chemistry at the 300-400 level.

Total: 62 hours

Option 4 - Engineering Physics

Core requirements plus:

PHY 225 - Electronics

Practical introduction to making consumer electronic circuits in three formats: breadboard prototypes; hard-wired through-hole component circuits; and surface mount-circuits, laid out using photo-lithography. Study of software tools to document and test circuit designs, and to create photo-lithographic masks to use in creating printed circuit boards.

Credit Hours: 3

Additional Restrictions/Requirements: Consent of instructor.
Course Repeatability: Course may not be repeated.

PHY 414 - Engineering Physics I

Introduction to the practical fabrication of devices. Students will learn to use CAD (Computer-Aided Design) software to design projects and will also learn how to use hand tools, standard and CNC (Computer Numerical Controlled) machine tools, and 3D printers to fabricate objects. This class is intrinsically project oriented.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

PHY 417 - Engineering Physics II

Integration of fabricated objects with hand-built electronic circuits and microprocessors in order to make sophisticated devices for practical use. This class is intrinsically project oriented.

Credit Hours: 3

Prerequisite Courses: PHY 225 and PHY 414.
Course Repeatability: Course may not be repeated.

Plus six hours of electives at the 300-400 level in either Physics, Engineering or Mathematics.

Total: 49 hours

Option 5 - Computational Physics

Core requirements plus:

PHY 215 - Introduction to Computing in the Physical Sciences

The computational methods commonly used to display and analyze data in the physical sciences by introducing students to the basics of MATLAB (tm) or a similar programming language. Topics include: control structures, handle graphics functions and matrix algebra. Laboratory setting, emphasiziing work with real environmental data and project-based.

Credit Hours: 1

Prerequisite Courses: MAT 162
Course Repeatability: Course may not be repeated.

PHY 315 - Computational Physics and Complexity

Corequisites: PHY 321 or MAT 361. Introduction to numerial modeling techniques for solving problems in physics and complex systems. Numerial techniques will be applied to classical mechanics, bifurcation and dynamical systems, chaotic systems, thermodynamics, optimization, cellular automata, and self-organization.

Credit Hours: 3

University Studies: Explorations Beyond the Classroom, Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

PHY 470 - Data Analysis

Data analysis techniques used in experimental and applied physical science. Topics include propagation of errors, probability distributions, data reduction techniques, covariance and convolution, autocorrelation, linear regression, time series analysis, and spectral analysis.

Credit Hours: 3

Prerequisite Courses: PHY 202.

Course Repeatability: Course may not be repeated.

Plus nine hours of electives at the 300-400 level in either physics, computer science, engineering, chemistry, statistics, or mathematics.

Total: 50 hours

Additional Information:

Students must attain a grade point average of "C" (2.00) or better computed over all the courses used to fulfill the requirements of the major and a grade of "C-" or better for each PHY course used to fulfill the requirements of the major.

Physics, B.S.

The Bachelor of Science degree in Physics is appropriate for students planning to pursue physics as a professional career, either immediately after graduation in a physics-related insutry or after graduate study in physics or a related field.

Oral Communication Requirement:

To satisfy the oral communication requirement for the B.A. or B.S. degree in Physics a student must successfully complete PHY 495 or any other approved oral intensive course (see list here).

Applied Learning Requirement:

To satisfy the applied learning requirement for the B.A. or B.S. degree in Physics a student must successfully complete one of the following: directed individual study in any scientific discipline; departmental honors in any science department; PHY 493, PHY 495.

Requirements for a Major in Physics for the B.S. Degree:

PHY 201 - General Physics I

First semester of a two semester calculus-based introduction to the fundamental principles of physics for the physical and mathematical sciences. Topics include kinematics, Newtonian statics and dynamics, gravitation, oscillations, and mechanical waves.

Credit Hours: 4

Prerequisite or Corequisite Courses: MAT 161
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

PHY 202 - General Physics II

Second semester of a two semester calculus-based introduction to the fundamental principles of physics for the physical and mathematical sciences. Topics include electric and magnetic fields, circuits, Maxwell's equations, electromagnetic waves, and optics.

Credit Hours: 4

Prerequisite or Corequisite Courses: MAT 162
Prerequisite Courses: PHY 201
Course Repeatability: Course may not be repeated.

PHY 311 - Mathematical Physics

Introduction to mathematical techniques in physics: vector analysis, operator and matrix analysis; functions of a complex variable and calculus of residues; functions of mathematical physics;

eigenfunctions and the Sturm-Liouville equation; and Fourier series and transforms.

Credit Hours: 3

Prerequisite Courses: PHY 202.
Course Repeatability: Course may not be repeated.

PHY 314 - Introduction to Computational Physics

An introduction to the solution of common physics problems using computers. Assuming no previous computer programming experience, the course will introduce basic scientific programming skills as applied to solve problems in mechanics, chaos, nonlinear dynamics, electromagnetism, fluid dynamics, and other areas.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: PHY 321 or MAT 361.
Course Repeatability: Course may not be repeated.

PHY 321 - Classical Dynamics I

Newtonian and Lagrangian formulations of mechanics applied to single particles and systems of particles, central forces, oscillations, and normal mode analysis. Rotating frames of reference.

Credit Hours: 4

Prerequisite or Corequisite Courses: PHY 311 or MAT 361.
Prerequisite Courses: PHY 202.
Course Repeatability: Course may not be repeated.

PHY 335 - Modern Physics I

Introduction to special relativity and wave mechanics. First of a two-course sequence in Modern Physics.

Credit Hours: 3

Prerequisite Courses: PHY 202.
University Studies: Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

PHY 336 - Modern Physics II

Second semester of the Modern Physics sequence. Aims to familiarize students with the fundamental concepts, methods, and open questions in a wide range of subfields through the application of relativity and simple quantum mechanics. Possible topics include atomic physics, nuclear physics, particle physics, solid-state physics, astrophysics, and cosmology.

Credit Hours: 3

Prerequisite Courses: PHY 335
Course Repeatability: Course may not be repeated.

PHY 400 - Experimental Physics

Seminal experiments illuminating a particular branch of modern physics, using topics drawn from atomic, nuclear, solid-state, plasma, and optical physics. Students participate in the design and implementation of experiments and acquire skills such as data organization, error analysis, and interpretation of results.

Credit Hours: 3

Prerequisite Courses: PHY 202 and PHY 314.
University Studies: Building Competencies/Writing Intensive, Explorations Beyond the Classroom/Certified Internship Program
Course Repeatability: Course may not be repeated.

PHY 411 - Electricity and Magnetism

Electric and magnetic field theory; Poisson's and Laplace's equation; harmonic methods, special methods for solution of electrostatics problems, material media and boundary value problems; electromagnetic waves.

Credit Hours: 3

Prerequisite or Corequisite Courses: MAT 261.
Prerequisite Courses: PHY 202.
Course Repeatability: Course may not be repeated.

PHY 444 - Quantum Theory

Introduction to basic principles of quantum mechanics. Topics include operators, symmetry, orbital and spin angular momentum, perturbation theory, and

applications to simple systems.

Credit Hours: 4

Corequisite Courses: MAT 361
Prerequisite Courses: PHY 335
Course Repeatability: Course may not be repeated.

PHY 455 - Thermal Physics

Principles of thermodynamics and heat transfer; response of molecules to temperature effects illustrated by introduction to kinetic theory and statistical mechanics.

Credit Hours: 3

Prerequisite Courses: PHY 335
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

PHY 495 - Physics Seminar

Provides instruction in communication skills related to presenting scientific information such as writing papers,

presenting talks, and creating posters in LaTeX for physics and physical oceanography. Students may work with individual faculty in the department leading to a presentation on their research topic.

Credit Hours: 3

Additional Restrictions/Requirements: Consent of instructor.
University Studies: Building Competencies/Writing Intensive, Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

CHM 101 - General Chemistry I

Overview of the fundamental laws, principles and theories of chemistry. A 'C' or better in CHM 101 is required to take certain advanced courses in chemistry.

Credit Hours: 3

Corequisite Courses: CHML 101.
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural

World
Course Repeatability: Course may not be repeated.

CHML 101 - General Chemistry Laboratory I

Introduction to general chemistry laboratory techniques. This course is the lab companion course for general chemistry lecture CHM 101.

Credit Hours: 1

Corequisite Courses: CHM 101.
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

CHM 102 - General Chemistry II

Study of the fundamental laws, principles and theories of chemistry. Introduction to inorganic chemistry. Interpretation of experimental results. A 'C' or better in CHM 102 is required to take certain advanced courses in chemistry.

Credit Hours: 3

Corequisite Courses: CHML 102.
Prerequisite Courses: CHM 101 and CHML 101.
Course Repeatability: Course may not be repeated.

CHML 102 - General Chemistry Laboratory II

Introduction to techniques and equipment used in the chemical laboratory. Interpretation of experimental results. This course is the lab for CHM 102 .

Credit Hours: 1

Corequisite Courses: CHM 102.
Prerequisite Courses: CHML 101, CHM 101.
Course Repeatability: Course may not be repeated.

MAT 161 - Calculus with Analytical Geometry I

Calculus of a single variable intended for students in the mathematical and natural sciences. Functions and limits; differentiation with applications including maxima and minima, related rates, and approximations; theory of integration with applications; and transcendental functions.

Credit Hours: 4

Prerequisite Courses: MAT 112 or MAT 160, or satisfactory performance on the UNCW mathematics placement test.
University Studies: Foundations/Mathematics and Statistics, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

MAT 162 - Calculus with Analytical Geometry II

The second course in a three-course sequence. Further techniques and applications of integration; infinite sequences and series; conic sections, parametrized curves and polar coordinates; and, elementary differential equations.

Credit Hours: 4

Prerequisite Courses: MAT 161.
University Studies: Foundations/Mathematics and Statistics, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

MAT 261 - Multivariate Calculus

Calculus of functions of several variables. Vectors and analytic geometry of three dimensional space; partial derivatives, gradients, directional derivatives, maxima and minima; multiple integrals; line and surface integrals, Green's Theorem, Divergence Theorem, and Stokes' Theorem.

Credit Hours: 4

Prerequisite Courses: MAT 162
Course Repeatability: Course may not be repeated.

MAT 361 - Differential Equations

Theory, methods of solution, and applications of ordinary differential equations with emphasis on first and second order (linear and nonlinear) equations, and systems of first order equations. Methods used include Laplace transforms, matrices, eigenvalues and eigenvectors. Additional topics from power series solutions and numerical methods.

Credit Hours: 3

Prerequisite Courses: MAT 162.

Course Repeatability: Course may not be repeated.

9 additional hours of PHY courses numbered 300 or above.

Total: 73 hours

Additional Information:

Students must attain a grade point average of "C" (2.00) or better computed over all the courses used to fulfill the requirements of the major and a grade of "C-" or better for each PHY course used to fulfill the requirements of the major.

Note:

Students interested in the B.S. degree in physics are advised to take the PHY 201 - PHY 202 sequence in the freshman year.

Political Science, B.A.

The major in political science is for students seeking careers in government, the private sector, the non-profit sector or for students who intend to enroll in graduate school or law school. The curriculum stresses analytical

and critical thinking, quantitative analysis, and a theoretical understanding of the U.S. and other comparative political systems. Students may take an internship or other directed studies to gain a better understanding of the operations of government and non-profit agencies.

Oral Communication Requirement:

To satisfy the oral communication requirement for the B.A. degree in Political Science a student must successfully complete PLS 401.

Applied Learning Requirement:

To satisfy the applied learning requirement for the B.A. degree in Political Science a student must successfully complete one of the following courses: PLS 221, PLS 294, PLS 401, PLS 491, PLS 494, PLS 498 or PLS 499.

Requirements for a Major in Political Science for the B.A. Degree:

39 hours of political science: this must include:

PLS 101 - American National Government

Survey of basic principles, institutions and functions such as federalism, separation of powers, civil liberties and rights, judicial review, public opinion, political parties, elections and interest groups.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.

PLS 201 - Introduction to Political Science Methods

Introduction to the rationale and application of the scientific method to political analysis. Major topics include: statement of problem, survey of literature, theory construction, data collection and analysis, and presentation of findings and conclusions.

Credit Hours: 3

University Studies: Building

Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

PLS 220 - Introduction to International Relations

Basic analysis of politics among nations. Role of law, force, and diplomacy in world politics; problems of war, peace, and disarmament.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

PLS 230 - Introduction to Comparative Government and Politics

Comparative analysis of political systems in developed, second- and third-world nations, including an examination of the foundations and structures of selected national governments, such as parliamentary and presidential systems, democratic and non-democratic systems.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

PLS 401 - Senior Seminar

Capstone course that integrates knowledge from the major subfields in political science through examination of the discipline's relationship to careers and citizenship.

Credit Hours: 3

Additional Restrictions/Requirements: Senior standing and 30 hours in political science including PLS 101, PLS 201, PLS 220, and PLS 230, and one of the following: PLS 212, PLS 310, PLS 312, PLS 313, PLS 314, PLS 315, PLS 317, or PLS 415.
University Studies: Building Competencies/Writing Intensive, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

Political Theory

Students must also complete at least one course in Political Theory. Choose one of the following:

PLS 212 - Introduction to Political Theory

Fundamental questions about the nature and purpose of politics as treated by such writers as Plato, Augustine, Locke, Hobbes, and Marx.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

PLS 310 - Legal Philosophy and Jurisprudence

Introduction to the nature, concept and sources of law and the various schools of jurisprudence. Topics treated include natural law; historical, analytical and sociological jurisprudence; idealism; utilitarianism; legal realism; equity, justice, precedent, custom and law; and the relation of law and morality.

Credit Hours: 3

Additional Restrictions/Requirements: Junior or senior standing or consent of the instructor.
Crosslisting: PAR 310
Course Repeatability: Course may not be repeated.

PLS 313 - Early Political Thought

Introduction to the origin and development of political theory from the 5th Century B.C. through the medieval era. Emphasis will be placed on the political ideas of Plato, Aristotle, the Epicureans, the Stoics, Cicero, Augustine, medieval philosophers, and Aquinas in order to discover the recurring themes of political inquiry.

Credit Hours: 3

Prerequisite Courses: PLS 212
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

PLS 314 - Modern Political Thought

Critical examination of political ideas from 1500 to 1900 with special attention to those of Machiavelli, Hobbes, Locke, Rousseau, Montesquieu, Hume, Burke, Hegel, Bentham, Marx, the Mills, Spencer, T.H. Green and Nietzsche.

Credit Hours: 3

Prerequisite Courses: PLS 212
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

PLS 315 - Contemporary Political Ideologies

Ideology and its significance in the modern world. Systematic analysis of the major political ideologies of the 19th and 20th centuries with emphasis on democracy, communism, fascism, nationalism, anarchism, and the New Left.

Credit Hours: 3

Prerequisite Courses: PLS 212
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

PLS 317 - Political Thought of Asia

Recommended: PLS 212. Critical assessment of philosophical responses to the political, economic, and social challenges faced by the Asian Region. Considers

Asian political thought comparatively, addressing recurring issues of politics and community life.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

PLS 415 - American Political Thought

American political thought from the colonial period to the present.

Credit Hours: 3

Prerequisite Courses: PLS 212
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

Public Administration & Public Policy Requirement:

Students must also complete at least one course in Public Administration & Public Policy. Choose one of the following:

PLS 217 - Ethics and Leadership in Public Life

Exploration of what it means to act responsibly and with integrity in public life in an environment of shared powers and competing values. Case studies, journals, role plays and film are used to illustrate concepts.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

PLS 304 - Introduction to Public Policy Analysis

Study of the theories and methods of analyzing and explaining public policy and the substance of recent domestic policies in the areas of public finance and human and physical resources, including welfare, education, protection of the environment, housing, health, urban renewal and transportation.

Credit Hours: 3

Prerequisite Courses: PLS 101 and PLS 201
Additional Restrictions/Requirements: Prerequisite courses or consent of instructor.
University Studies: Common Requirements/Critical

Reasoning
Course Repeatability: Course may not be repeated.

PLS 308 - Public Administration

Introduction to public administration in the United States. Nature and scope of public administration, public interest in the administrative process, role of administrators, formal and informal organization, public personnel and financial management.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

PLS 327 - Science, Technology, and Innovation Policy

Contemporary issues in the study and critique of science, technology and innovation policy including an overview of dynamics at the interface of science, politics and policy. Topic examples include: public and private spending on research and development (R&D), responsible innovation, governing artificial intelligence, science advice, integrity in science, evidence-based decision making, ethics in intellectual property.

Credit Hours: 3

Additional Restrictions/Requirements: Junior or Senior standing.
Course Repeatability: Course may not be repeated.

PLS 329 - Ocean and Coastal Law and Policy

National and international laws and policies concerning the ocean. Topics include: fisheries management, marine mammal protection, shipping and navigation, oil and chemical pollution, coastal and wetlands protection, submerged lands, riparian rights, and public access to coastal lands and waters.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

PLS 354 - Urban Planning and Policy

Overview of the policies, plans, and regulations that local governments used to shape the physical growth of cities, towns, and suburbs. A range of topics are covered, such as transportation planning, historic

preservation, and affordable housing development.

Credit Hours: 3

Additional Restrictions/Requirements: Sophomore, junior or senior standing or consent of instructor.
Course Repeatability: Course may not be repeated.

PLS 359 - American Policy Development: Politics, Institutions and Theories

Examination of the political events and ideas needed to understand the growth of American government. Study of how the change of institutional power contributed to the growth of government within our federal system. Students produce an empirical/data analysis of an important institutional aspect of American politics.

Credit Hours: 3

University Studies: Critical Reasoning
Course Repeatability: Course may not be repeated.

PLS 360 - Introduction to Nonprofit Management

Covers management fundamentals in the nonprofit sector. Selected topics include governance, human relations, financial management, public relations and fundraising.

Credit Hours: 3

University Studies: Explorations Beyond the Classroom/Certified Internship Program
Course Repeatability: Course may not be repeated.

PLS 361 - Nonprofit Resource Development

Examines the range of ways for nonprofit organizations to raise funds from individuals, government, foundations, and corporations. Major theoretical foundations of fund development, general fundraising principles, donor market segregation, fundraising techniques, and key aspects of managing the fundraising process.

Credit Hours: 3

University Studies: Explorations Beyond the

Classroom
Course Repeatability: Course may not be repeated.

PLS 362 - Leading and Managing Volunteers

Addresses major issues in the leadership and management of volunteers in the nonprofit and public sectors. Focuses on the two main types of volunteers: service volunteers, and policy volunteers (board members). Topics covered include volunteer recruitment, screening, job design, supervision, recognition, and evaluation.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

PLS 370 - Global Environmental Governance

Explores international environmental negotiations and agreements of global environmental problems regarding overfishing, climate change, deforestation, biodiversity loss, trans-boundary pollutants, and water scarcity. Examines the debate surrounding sustainable development, ecological justice, and conflicts around resource scarcity.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

PLS 434 - Nonprofit Leadership Experience

An engaged learning experience where students learn about nonprofit organizations, acquire useful employment skills and apply them in projects designed by nonprofit organizations in conjunction with the instructor. Students will complete projects developed and needed by nonprofit organizations in the community; and students will meet and interact with members of the UNCW and nonprofit community.

Credit Hours: 3

University Studies: Explorations Beyond the Classroom
Crosslisting: PLS 534
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

Directed Upper Level Electives:

In addition to PLS 401, students must complete 15 hours of course work at the 300-400 level. In doing so, students must complete one course from each of the following three subfields: American Political Behavior & Institutions, International Relations, and Comparative Politics. Any other PLS courses (100-400) will contribute to the 39 total hours required for the major. If a course appears in more than one category (e.g., PLS 421), students can only use the course to fulfill one category of the directed upper level electives.

Select one of the following courses from American Political Behavior & Institutions:

PLS 300 - American Constitutional Law I

Analytical study of U.S. Supreme Court decisions affecting separation of powers and individual rights. The powers of the judicial, executive, and legislative branches of national government; the relationships among these branches; and the federal system.

Credit Hours: 3

Prerequisite Courses: PLS 101
Additional Restrictions/Requirements: Prerequisite

course or consent of instructor.
Course Repeatability: Course may not be repeated.

PLS 301 - American Constitutional Law II

Analytical study of U.S. Supreme Court decisions affecting separation of powers and individual rights. Individual rights and liberties other than procedural rights of persons involved with the criminal justice system.

Credit Hours: 3

Prerequisite Courses: PLS 101
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

PLS 302 - The Politics of the Supreme Court

Explores the role of Supreme Court in the American political system. Reviews the Court's history, membership, operations, and interactions with the other branches of government and the public. Focuses on the social scientific theories that explain the behavior of the justices and other individuals associated with the

Court.

Prerequisite Courses: PLS 101
Additional Restrictions/Requirements: Or permission of instructor.
Course Repeatability: Course may not be repeated.

PLS 303 - Political Behavior

The impact of citizen beliefs and preferences on election outcomes, and the factors that influence political participation. Structured around a critical examination of the assumptions, findings, and interpretations of the major studies of political behavior.

Credit Hours: 3

Additional Restrictions/Requirements: Sophomore, junior or senior standing or consent of instructor.
University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

PLS 307 - The American Legislature

Functional study of legislative bodies and lawmaking. Among the topics studied will be the role of legislatures; the impact of constituencies, parties, interest groups, interpersonal relationships and other pressures on legislators; legislative structure; and the decision-making process.

Credit Hours: 3

Prerequisite Courses: PLS 101
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

PLS 309 - The American Chief Executive

Examination of the concept of a political chief executive as a coordinate member, with legislature and courts, of a government team. Emphasis will be placed on the powers, roles, decision-making processes, and institutional development of the offices of president, governor, and mayor.

Credit Hours: 3

Prerequisite Courses: PLS 101
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

PLS 316 - Women in Politics

Introduction to political perspectives on sex role differentiation. Among the topics to be discussed will be political socialization of women in ancient and modern society; women's roles in politics and government; political consequences of women's entry into the work force; and contemporary issues in the women's movement. Emphasis will be placed throughout on comparative political analysis.

Credit Hours: 3

Prerequisite Courses: PLS 101 or PLS 111
Additional Restrictions/Requirements: Prerequisite courses or consent of instructor.
Course Repeatability: Course may not be repeated.

PLS 340 - The Black Experience in American Politics

American political institutions and processes through the eyes of Black America. This study will analyze the power structure in the black community, dissent and protest, black participation in the political system, black leaders and politicians and their politics, and the uniqueness of black politics as compared with the wider spectrum of the political system.

Credit Hours: 3

Prerequisite Courses: PLS 101 or consent of instructor.
Course Repeatability: Course may not be repeated.

PLS 341 - Latino Politics

Role of Latino communities in shaping state and national politics in the United States. Latino political empowerment strategies, political representation, the electoral impact of Latino votes, and contemporary public policy issues.

Credit Hours: 3

Additional Restrictions/Requirements: Sophomore,

junior or senior standing or consent of instructor.
University Studies: Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.

PLS 350 - State Government and Politics

Survey and analysis of the organization, functions, and political processes of the American states with an emphasis on North Carolina politics.

Credit Hours: 3

Additional Restrictions/Requirements: Sophomore, junior or senior standing or consent of instructor.
Course Repeatability: Course may not be repeated.

PLS 351 - Urban Government and Politics

Structure, functions, political processes, problems, and trends in American city and metropolitan government and politics.

Credit Hours: 3

Additional Restrictions/Requirements: Sophomore,

junior or senior standing or consent of instructor.
University Studies: Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.

PLS 352 - American Political Culture

Investigation of the elements that contribute to current national political culture, origins, characteristics,and influences on public dialogue and policy.

Credit Hours: 3

Additional Restrictions/Requirements: Sophomore, junior or senior standing or consent of instructor.
Course Repeatability: Course may not be repeated.

PLS 353 - American Parties and Interest Groups

Historical and analytical treatment of the appearance and realignment of political parties during the five successive 'national party systems' since the beginning of the republic. Special emphasis is given to the question of contemporary party disarray and potential realignment.

Credit Hours: 3

Additional Restrictions/Requirements: Sophomore, junior or senior standing or consent of instructor.
University Studies: Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

PLS 402 - U.S. Immigration Politics

Evolution of immigration policy in the U.S. Experience with various immigration time periods and source countries. Identifies the primary costs and benefits of immigration, with special attention to the policy changes making immigration more difficult over time. Conditions under which immigration increases or decreases, including the contemporary increase in the rate of illegal immigration.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

PLS 403 - Public Opinion

Origin, content, and policy impact of public opinion in democratic nations. Emphasis on the contemporary American experience and the genesis of mass movements.

Credit Hours: 3

Additional Restrictions/Requirements: Sophomore, junior or senior standing or consent of instructor.
University Studies: Building Competencies/Writing Intensive, Building Competencies/Information Literacy, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

PLS 404 - Campaign Management and Strategies

Internal mechanics of political campaigns, major areas of campaign management and strategy, campaign organization, voter contact, campaign research, finance and fund-raising, and communications. Special attention is given to recent and current presidential, congressional, and gubernatorial election campaigns.

Credit Hours: 3

Prerequisite Courses: PLS 205
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
University Studies: Building Competencies/Information Literacy, Explorations Beyond the Classroom/Certified Internship Program
Course Repeatability: Course may not be repeated.

PLS 406 - Contemporary Southern Politics

Recent developments throughout the American South and their impact on national politics. Topics include southern political culture, the decline of the one-party system, and the changing roles of blacks and organized labor. Emphasis is placed upon independent research projects involving student analysis of census, election return, and public opinion survey data.

Credit Hours: 3

Prerequisite Courses: PLS 101 and PLS 201
Additional Restrictions/Requirements: Prerequisite courses or the consent of instructor.

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

PLS 407 - Political Psychology

Examination of the leading scholarship in political psychology to investigate critical issues in American politics. After introducing political psychology's history, methods and major themes, course addresses the psychological aspects of campaign politics, public opinion, intergroup relations and leadership.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

One of the following courses in International Relations:

PLS 420 - Politics of Nuclear Weapons

Introduction to nuclear weapons policy and strategy with an emphasis on nonproliferation, nuclear security, and nuclear deterrence. Consideration of nuclear weapons technology, why countries seek nuclear

weapons, risks to international security, and policy tools deployed to prevent proliferation or use.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

PLS 422 - Contemporary American Foreign Policy

Roles and interrelationships of Congress, the media, public opinion, the president, the secretaries and departments of state and defense, and the intelligence community are examined. Emphasis is placed on the content and the dynamic aspects of the process of policy formulation and implementation.

Credit Hours: 3

Prerequisite Courses: PLS 220
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

PLS 423 - National Security Policy

Formulation of security policy, including the roles of the executive and legislative branches and of non-governmental factors; evolution of changing assumptions, strategies, and goals; the nature of U.S. security requirements, U.S. military commitments abroad, and the cost of strategies based on weapons superiority, arms control, and disarmament.

Credit Hours: 3

Prerequisite Courses: PLS 220
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

PLS 424 - International Security

Investigates war and conflict at the international level and the different ways in which governments individually or collectively work to address the problem.

Credit Hours: 3

Prerequisite Courses: PLS 220
University Studies: Building Competencies/Writing

Intensive, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

PLS 425 - International Politics

Students are provided with an overview of the current International system and introduced to the theories actors, their interactions, and the norms of the international system. The impact of the law and norms of international relations or international conflict are analyzed and debated.

Credit Hours: 3

Prerequisite Courses: PLS 220
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
University Studies: Building Competencies/Writing Intensive, Common Requirements/Critical Reasoning
Crosslisting: CMR 525
Course Repeatability: Course may not be repeated.

PLS 426 - International Law

Nature, development and basic concepts of international law. Examination of the scope, sources

and sanctions of international law; its relation to municipal law; the rights and duties of states and individuals; methods of settling international disputes. Characteristic cases used as illustrations.

Credit Hours: 3

Prerequisite Courses: PLS 220
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

PLS 427 - International Organizations

Survey of the evolution, objectives and methods of various types of regional and universal organizations and their role in contemporary international relations. Special emphasis will be placed on the principal functions and agencies of the United Nations and the European economic community.

Credit Hours: 3

Prerequisite Courses: PLS 220
Additional Restrictions/Requirements: Prerequisite

course or consent of instructor.
Course Repeatability: Course may not be repeated.

PLS 428 - Global Terrorism

Investigates the phenomenon of terrorism at the international and global level with particular empasis on why terrorism occurs, and on domestic level and international cooperative counterterrorism.

Credit Hours: 3

Prerequisite Courses: PLS 220
Course Repeatability: Course may not be repeated.

PLS 429 - International Political Economy

Political-economic structures at the international level (trade, finance, and currency) and the impact of the government, business, and human networks that emerge as a result of political-economic interactions between countries.

Credit Hours: 3

Prerequisite Courses: PLS 220
Course Repeatability: Course may not be repeated.

PLS 463 - International Development

Examines the field of international development including economic development and governance assistance activities with attention to classic theories as well as current debates and innovative approaches.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

And one of the following courses in Comparative Politics:

PLS 330 - Political Systems of Africa

Governments and politics of selected sub-Saharan African states. A survey from colonial days to the present with emphasis on contemporary economic, social and political problems.

Credit Hours: 3

Prerequisite Courses: PLS 230
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

PLS 331 - Politics in Developing Nations

Political, economic, and social problems confronting developing nations. Attention will be given to such issues as cultural pluralism, one-party states, military dictatorships, and U.S. relations with the developing world.

Credit Hours: 3

Prerequisite Courses: PLS 230
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

PLS 332 - Politics of Central America

Introduction to core political issues facing the Central American, political history as well as contemporary

processes. Students will critically evaluate development and the problems associated with moving from underdeveloped to ""developed"" status.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

PLS 333 - Politics of South America

Politics of South America and the impact of socio-economic forces on the region and its political structures.

Credit Hours: 3

Prerequisite Courses: PLS 230
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

PLS 334 - Revolutionary Movements

Introduction to the social, political, and economic conditions which give rise to radical response. Examines small rebel bands, or militias (commonly

referred to as 'guerrilla' movements), and 'terrorist' organizations, as well as large-scale revolutionary movements.

Credit Hours: 3

Prerequisite Courses: PLS 230
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
University Studies: Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

PLS 335 - European Political Systems

Political institutions and processes of selected European countries, including Great Britain, France and Germany.

Credit Hours: 3

Prerequisite Courses: PLS 230
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

PLS 336 - Russian and Post-Soviet Political Systems

Comparative study of the political institutions and processes of Russia and the eastern European Countries. Post-Soviet dynamics and the nature and significance of contemporary changes.

Credit Hours: 3

Prerequisite Courses: PLS 230
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

PLS 337 - Chinese Politics

Political system of China with special emphasis on the challenges of development, democracy, and nation-building in the post-1949 period.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

PLS 338 - Political Systems of the Middle East

Governments and politics of the Middle East with emphasis on the changes that have occurred since 1945. A detailed examination of the forces that have shaped contemporary Middle Eastern politics: Islam, nationalism, modernization, and current political trends. The political institutions and processes and the domestic and foreign policies of selected countries will be studied.

Credit Hours: 3

Prerequisite Courses: PLS 230
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

PLS 339 - Asian Politics

Recommended: PLS 230. Political systems of selected Asian countries. Special emphasis on the challenges of development, democracy, and nation-building in the post-World War II period.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

PLS 342 - Race and Politics in the Americas

Social, political, and economic inequality of racial/ethnic groups in the Americas.

Credit Hours: 3

Additional Restrictions/Requirements: Sophomore, junior or senior standing or consent of instructor.
Course Repeatability: Course may not be repeated.

PLS 343 - Democratic Transition in the United States

Examination of the process of democratic transition and consolidation in the United States from 1898 to the present. Focus on the comparative analysis of scholarly literature concerning democratic transition and consolidation.

Credit Hours: 3

Prerequisite Courses: PLS 230, or permission of instructor,
University Studies: Approaches and Perspectives/Living in a Diverse Nation
Course Repeatability: Course may not be repeated.

PLS 421 - Causes and Dynamics of Ethnic and Nationalist Conflict

This course introduces students to some of the most intractable and violent conflicts around the world in order to understand various theoretical approaches that explain the onset and dynamics of ethno-nationalist conflicts.

Credit Hours: 3

University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

PLS 430 - Caribbean Politics

Examines the importance of size, the influence of global forces, and the difficulties of unification and coordination in the Caribbean political context.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

PLS 464 - Democracy and Authoritarianism

Integrative course focusing on scholarly literature on democracy, authoritarianism, and democratization, with an emphasis on real world examples of regime types and transitions.

Credit Hours: 3

Prerequisite Courses: PLS 230
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

Note:

A total of 18 hours must be at the 300-400 level. (PLS 401, which is required, contributes toward this sum).

Additional Information:

A minimum GPA of "C" (2.00) is required among all elective political science courses, and a grade of "C-" or above is required for the core courses (PLS 101, PLS 201, PLS 220, PLS 230, and PLS 401).

Students planning to do graduate work are encouraged to study a modern foreign language and to acquire a basic knowledge of computer science, statistics, calculus, and macroeconomics.

Psychology, B.A.

Psychology is a basic and applied science, health profession, and undergraduate liberal arts major. The UNCW Psychology Department supports an outstanding undergraduate program with a shared set program goals and student learning outcomes and a strongly commitment to involving students in the research process. Students work closely with our outstanding faculty as junior colleagues to investigate a wide variety of topics including basic brain processes, drug effects, memory-improvement techniques, social cognitive factors underlying prejudice, ways to reduce school violence, and the evaluation of psychological treatments-to name but a few.

The department also actively involves students in service learning in a variety of ways. Undergraduate students have opportunities to apply the knowledge they have gained in the classroom in practicum experiences or community research projects. Psychology faculty and students are found in community settings which range from preschools to prisons. The graduates of our Bachelor of Arts program are prepared for further education in psychology and other professions and to take their place in the world of work. The study of psychology gives students the chance to use technology, learn to communicate, and be able to analyze ideas critically.

Computer Requirement:

To satisfy the computer requirement for the B.A. degree in Psychology a student must successfully complete PSY 355.

Oral Communication Requirement:

To satisfy the oral communication requirement for the B.A. degree in Psychology a student must successfully complete PSY 355.

Applied Learning Requirement:

To satisfy the applied learning requirement for the B.A. degree in Psychology a student must successfully complete PSY 355.

Requirements for a Major in Psychology for the B.A. Degree:

PSY 105 - General Psychology

Principles of psychology with emphasis on scientific methods used in studying human behavior.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

PSY 106 - Psychology as a Science and Career

Introduction to the scientific method of inquiry and to the application of psychological knowledge and methods using human behavior as a focus.

Credit Hours: 2

Prerequisite Courses: Prerequisite or corequisite: PSY 105.
University Studies: Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 2

PSY 225 - Introductory Statistics for the Behavioral Sciences

Introduction to the statistical techniques most often used by behavioral scientists for either descriptive purposes or hypothesis testing. Parametric techniques are emphasized, but nonparametric tests are included.

Credit Hours: 6

Prerequisite Courses: PSY 105 and (MAT 101 or higher [excluding MAT 105, MAT 141, and MAT 142], STT 210, or STT 215) and (BIO 105 or BIO 140+BIOL 140, BIO 201, BIO 202, or BIO 240+BIOL 240)
Additional Restrictions/Requirements: Class is restricted to students with Junior standing (or above).

University Studies: Critical Reasoning
Course Repeatability: Course may not be repeated.
Major Restriction Psychology

PSY 355 - Introduction to Experimental Psychology

Basic principles of psychological research design and evaluation, including techniques of data collection and analysis, and conduct, interpretation, and reporting of various types of psychological research. Experimental research is emphasized.

Credit Hours: 6

Prerequisite Courses: PSY 225
University Studies: Building Competencies/Writing Intensive, Building Competencies/Information Literacy, Critical Reasoning
Course Repeatability: Course may not be repeated.

One course from each of the six content domains:

Developmental Psychology:

PSY 220 - Child Psychology

Human psychological development through childhood and early adolescence. Normal development is emphasized.

Credit Hours: 3

Prerequisite Courses: PSY 105
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

or

PSY 221 - Adolescent Psychology

Human psychological development from late childhood through adolescence. Normal development is emphasized.

Credit Hours: 3

Prerequisite Courses: PSY 105
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

or

PSY 223 - Life Span Human Development

Variables and factors underlying human growth and development across the life span. Physical, cognitive, social, emotional, and sexual developments are emphasized.

Credit Hours: 3

Prerequisite Courses: PSY 105
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

Personality and Social Psychology:

PSY 246 - Psychology of Personality

Overview of the theoretical models underlying the structure and organization of individual differences. Emphasis on empirical research evaluation the different theoretical models. Topics include the self-concept, awareness of motivation, perceived control, and the biological mechanisms influencing traits such as extraversion.

Credit Hours: 3

Prerequisite Courses: PSY 105
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

or

PSY 264 - Social Psychology

Individual human behavior as a function of the influence of other persons. Emphasis on the psychology of person perception, interpersonal communication and relationships, attitude formation and change, and small group behavior.

Credit Hours: 3

Prerequisite Courses: PSY 105
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

Abnormal Psychology:

PSY 247 - Abnormal Psychology

An introduction to the symptoms and sequelae of behavioral disorders and major theories of the science of psychopathology or abnormal psychology.

Credit Hours: 3

Prerequisite Courses: PSY 105
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

Biological Psychology:

PSY 256 - PSY 256 - Brain and Behavior - Hungerford

An introductory survey of the functional anatomy of the nervous system and the roles which various neural systems play in normal and abnormal behavior.

Credit Hours: 3

Prerequisite Courses: PSY 105 and (BIO 105, BIO 140+BIOL 140, BIO 201, BIO 202, or BIO 240+BIOL 240)
Additional Restrictions/Requirements: Prerequisite courses or consent of the instructor.
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural

World
Course Repeatability: Course may not be repeated.

Cognitive Psychology:

PSY 211 - Perception and Cognition

Survey of major phenomena, methods, and theories associated with the study of perception and cognition. Topics include sensory systems, perceptual processes, attention, memory, knowledge, decision-making, and problem solving.

Credit Hours: 3

Prerequisite Courses: PSY 105
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

Learning and Behavior Analysis:

PSY 217 - Learning and Behavior Change

Basic principles of conditioning, learning, and behavior change. Topics will include and introduction to classical and operant conditioning and the applications experimentally discovered principles to psychological

interventions, as well as other fields such as education, business, and health.

Credit Hours: 3

Prerequisite Courses: PSY 105
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

One course from the following options:

PSY 210 - Science and Pseudoscience

Examination of bases for scientific and pseudoscientific claims to knowledge. Considers criteria for description and explanation in science; uses these criteria to differentiate between areas that are scientific and those whose claims to be scientific are questionable. Evaluates areas such as parapsychology and astrology. Emphasizes use of critical thinking skills.

Credit Hours: 3

University Studies: Common Requirements/Critical Reasoning

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

PSY 245 - Drugs and Behavior

Psychological aspects of drug use and abuse. Emphasis on the effects of major psychoactive drugs (including alcohol) on behavior, the psychological determinants of drug use, and treatment of drug abuse.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

PSY 257 - Evolutionary Psychology

Consideration of the evolution and adaptive significance of behavior in humans, including such topics as mate selection, parental care, cognition, language, altruism, aggression, warfare, and creativity.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

PSY 265 - Human Sexual Behavior

Psychological aspects of human sexuality with emphasis on psychosexual development and behavior. Includes discussion of causative factors and treatment of sexual disorders and deviations.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

PSY 275 - Forensic Psychology

Investigation of psychological factors relevant to the legal system including: eyewitness identification and false memories, confessions, jury decision making, the insanity defense and mental health law, expert psychological testimony in court, criminal profiling, risk management, treatment of the mentally ill in corrections.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

18 hours of 300 or 400 level elective Psychology courses

Total Credit Hours: 56

Additional Information:

A grade of "C" or better is required in PSY 105. No more than one course with a grade of "D" can count toward the requirements for a major in psychology (including the biology and mathematics course requirements). There also must be a "C" (2.00) or better average on all courses counted towards the major. Additional requirements include completion of a biology course with lab selected from BIO 105, BIO 140, BIO 201, BIO 202, or BIO 240 and a mathematics course selected from MAT 101 or higher (excluding MAT 105, MAT 141, and 142), STT 210, or STT 215.

Public Health, B.S.

https://www.uncw.edu/hahs

The Public Health program at the University of North Carolina Wilmington is one of the first four standalone baccalaureate programs in the United States to be accredited by the Council for Education in Public

Health. Students graduating from the program work with communities and individuals to protect, maintain and enhance, health and quality of life. Students complete the public-health core courses that provide a strong foundation in the Public Health Domains, the U.S. Public Health System, global health issues, factors impacting human health and disease, epidemiology, population-based and individual approaches to health enhancement, public health data sources, health policy, health law, health communication, and much more. Then, students must select one of four concentrations:

1. Community Health Education – prepares students to assess, plan, implement and evaluate programs that are designed to enhance individual and community health and wellbeing;
2. Pre-Clinical Health – prepares students with a strong science background for continuing study in medicine, dentistry, physician assistant, physical therapy, nutrition, nursing, etc.;
3. Global Health – prepares students for careers working in developing low- and middle-income countries to improve health and quality of life; or
4. Gerontology - prepares students for public health careers working with an older adult population.

Public Health professionals work in a variety of settings, including hospitals, non-profit organizations, government agencies, doctors' offices, business & industry, and colleges/universities.

Upon graduation, those with concentrations in Community Health Education and Global Health are eligible to take a national exam to become Certified Health Education Specialists (CHES®). Those in the Global Health concentration may also opt to obtain a Pre-Peace Corps Prep Certificate. Those in the Gerontology concentration and meeting the minimum admissions requirements can apply to complete one additional year of study and receive a MS degree in Gerontology.

Oral Communication Requirement

To satisfy the oral communication requirement for the B.S. degree in Public Health, a student must successfully complete PBH 496.

Applied Learning Requirement

To satisfy the applied learning requirement for the B.S. degree in Public Health, a student must successfully complete PBH 497.

Requirements for a Major in Public Health for the B.S. Degree

To declare the major and concentrate in Community Health Education, Global Health, or Gerontology, a student must have a 2.5 overall grade point average. To declare the major and concentrate in Pre-Clinical, a student must have a 3.0 overall grade point average. All students in the program must complete all core courses and at least one concentration. A grade of C- or above must be achieved in each of the Public Health core and concentration courses. A 2.5 overall GPA is required to register for PBH 496 and PBH 497, and graduate from the program.

Public Health Core Courses (41 Credit Hours)

All students in Public Health must complete all core courses and then select at least one concentration.

PBH 290 - Foundations of Public Health

An overview of the public health profession with emphasis on the foundations of public health such as definitions, history, philosophy, ethics, evidence-based principles, and determinants of health.

Credit Hours: 3

Additional Restrictions/Requirements: Minimum passing grade of "C-" or above required in each PBH course to progress in the program. Open to PBH majors only.
Course Repeatability: Course may not be repeated.

PBH 295 - Public Health Practice

This course will examine public health practice and the role of B.S.- prepared public health professionals within the public health workforce. Students will examine the use of needs and community asset assessments in planning, implementing and evaluating public health programs. Grant writing skills will be introduced and case studies will be utilized to connect classroom instruction to real world examples of public health.

Credit Hours: 3

Additional Restrictions/Requirements: Minimum passing grade of "C-" or above required in each PBH course to progress in the program. Open to PBH

majors only.
Course Repeatability: Course may not be repeated.

PBH 299 - Introduction to Biostatistics

This course will introduce students to fundamental concepts in biostatistics and will guide students through real-world applications of biostatistics to public health problems. Topics covered will include descriptive statistics (i.e., measures of central tendency and variability), measures of extent of disease (i.e., prevalence, incidence, relative risk, risk difference, and odds ratio), probability, (e.g., measures of sensitivity and specificity), confidence intervals, hypothesis testing, sample size determination, and multivariable methods.

Credit Hours: 3

Additional Restrictions/Requirements: Minimum passing grade "C-" or above required in each PBH course to progress in the program. Open to PBH majors only.
University Studies: Foundations/Mathematics and Statistics

Course Repeatability: Course may not be repeated.
Major Restriction PBH

PBH 310 - Social and Behavioral Determinants of Health

An overview of social and behavioral concepts related to public health with specific emphasis on behavioral theory and evidence-based practice. Examines the integration of health behavior, health theories and health promotion.

Credit Hours: 3

Additional Restrictions/Requirements: Minimum passing grade of "C-" or above required in each PBH course to progress in the program. Open to PBH majors only.
Course Repeatability: Course may not be repeated.

PBH 320 - Foundations of Global Health

Overview of health around the world. The class will explore contemporary issues, problems, and controversies in global health and identify key global health challenges, their distributions, and prevention

strategies.

Credit Hours: 3

Additional Restrictions/Requirements: Minimum passing grade of "C-" or above required in each PBH course to progress in the program. Open to PBH majors only.
University Studies: Building Competencies/Information Literacy
Crosslisting: HEA 320.
Course Repeatability: Course may not be repeated.

PBH 359 - Research Methods in Public Health

Designed to familiarize students with the fundamental principles, underlying research, and evaluative methods in public health. Focus will be on types of research design, sampling methodologies, statistical analysis, interpretation of results, scholarly writing, and critical evaluation of research conclusions.

Credit Hours: 3

Prerequisite Courses: PBH 299 with a minimum

grade of "C-".
Additional Restrictions/Requirements: Minimum passing grade of "C-" or above required in each PBH course to progress in the program. Open to PBH majors only.
University Studies: Building Competencies/Writing Intensive; Information Literacy
Crosslisting: HEA 359.
Course Repeatability: Course may not be repeated.

PBH 400 - Health Ethics Policy and Law

Overview of the ethical, political, and legal implications that influence public health. Emphasis on current public healthcare issues and policies.

Credit Hours: 3

Additional Restrictions/Requirements: Minimum passing grade of "C-" or above required in each PBH course to progress in the program. Open to PBH majors only.

University Studies: Common Requirements/Critical

Reasoning
Course Repeatability: Course may not be repeated.

PBH 401 - Foundations of Environmental Health

Overview of assessment, control, prevention, and safety of human health from environmental and occupational risk factors. Topics include pollution wastes, toxic metals, pesticides, radiation, vector borne diseases, and occupational injuries and stressors. Emphasizing deleterious effects of industrialization on developing countries, effects of globalization, and the rise of the environmental justice movement.

Credit Hours: 3

Additional Restrictions/Requirements: Minimum passing grade of "C-" or above required in each PBH course to progress in the program. Open to PBH majors only; or consent of instructor.
Course Repeatability: Course may not be repeated.

PBH 452 - Epidemiology

Epidemiology overview and history; distributions of disease by time, place and person; association and

causality; epidemiological study designs; population and attributable risk; sensitivity, specificity and screening; public health practice and prevention; special issues in infectious and noninfectious disease epidemiology.

Credit Hours: 3

Prerequisite Courses: PBH 359 with a minimum grade of "C-".
Additional Restrictions/Requirements: Minimum passing grade of "C-" or above required in each PBH course to progress in the program. Open to PBH majors only.

University Studies: Building Competencies/Information Literacy, Building Competencies/Writing Intensive
Crosslisting: HEA 452.
Course Repeatability: Course may not be repeated.
Major Restriction PBH

PBH 495 - Pre-Internship Professional Seminar

The Pre-Internship Professional Seminar is designed as the last step of the Public Health program before students complete Internship and Capstone and prepare to enter the workforce. Designed to be taken the semester prior to PBH 496 Capstone and PBH 497 Internship, this class focuses on developing professionalism and skills necessary to secure an internship and a job post graduation.

Credit Hours: 3

Additional Restrictions/Requirements: Instructor approval required. Minimum passing grade of "C-" or above required in each PBH course to progress in the program. Open to PBH majors only.
Course Repeatability: Course may not be repeated.
Major Restriction PBH

PBH 496 - Capstone in Public Health

This course is designed to integrate and synthesize what has been covered in the other PBH courses as well as develop soft skills related to motivational interviewing and cultural humility. The course provides a culmination of learning experiences through a final

project.

Credit Hours: 3

Corequisite Courses: PBH 497 with a minimum grade of "C-".
Prerequisite Courses: PBH 495 with a minimum grade of "C-".
Additional Restrictions/Requirements: Minimum passing grade of "C-" or above required in each PBH course to progress in the program. Open to PBH majors only; senior standing; and instructor approval.
Course Repeatability: Course may not be repeated.
Major Restriction Public Health; Public Health Studies

Complete one of the following sequences:

EXS 216 - Human Anatomy and Physiology I

Examines seven of the major organ systems that includes the human integumentary, skeletal, muscular, circulatory, and respiratory structures and functions as related to health and movement.

Credit Hours: 3

Corequisite Courses: EXSL 216
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural Word
Course Repeatability: Course may not be repeated.

EXSL 216 - Human Anatomy and Physiology I Laboratory

EXSL 216 is the study of the anatomical and functional characteristics of the human body including the skeletal, muscular, circulatory, and respiratory systems with emphasis on health and physical activity.

Credit Hours: 1

Prerequisite Courses: Prerequisite or corequisite: EXS 216.
Course Repeatability: Course may not be repeated.

EXS 217 - Human Anatomy and Physiology II

Examines six major organ systems that include the human nervous, endocrine, immune, digestive, urinary and reproductive systems as related to health and movement.

Credit Hours: 3

Corequisite Courses: EXSL 217
Prerequisite Courses: EXS 216
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

EXSL 217 - Human Anatomy and Physiology II Laboratory

EXSL 217 provides the laboratory experience for EXS 217 via examining the anatomy and physiology of the nervous, endocrine, immune, digestive, urinary and reproductive systems including the special senses and metabolism.

Credit Hours: 1

Prerequisite Courses: Prerequisite or corequisite: EXS 217.
Course Repeatability: Course may not be repeated.

Or

BIO 240 - Human Anatomy and Physiology I

Lecture must be taken concurrent with BIOL 240 . An introduction to the human organism with particular emphasis on maintenance of an internal steady state. Tissues, musculoskeletal, nervous, and endocrine systems are stressed. The lab for this course is BIOL 240.

Credit Hours: 3

Corequisite Courses: BIOL 240.
Prerequisite Courses: BIO 201 and CHM 101 and CHML 101.
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

BIOL 240 - Human Anatomy and Physiology Laboratory I

Basic histology, dissections, and physiology experiments to demonstrate principles explored in BIO 240. This course is the lab for BIO 240.

Credit Hours: 1

Prerequisite Courses: Prerequisite or corequisite: BIO 240.
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

BIO 241 - Human Anatomy and Physiology II

A comprehensive study of human organ systems as relates to the maintenance of homeostasis. Topics include cardiovascular, respiratory, digestive, urinary, and reproductive systems. The lab for this course is BIOL 241.

Credit Hours: 3

Corequisite Courses: BIOL 241
Prerequisite Courses: BIO 240
Course Repeatability: Course may not be repeated.

BIOL 241 - Human Anatomy and Physiology Laboratory II

Basic histology, dissections, and physiology experiments to demonstrate principles explored in BIO 241. This course is the lab for BIO 241.

Credit Hours: 1

Prerequisite Courses: Prerequisite or corequisite: BIO 241.
Course Repeatability: Course may not be repeated.

Community Health Education Concentration: (24 Credit Hours)

This concentration prepares students to become health education specialists. Students completing this concentration are eligible to sit for the Certified Health Education Specialist exam offered by the National Commission for Health Education Credentialing. To complete a concentration in Community Health Education, students must complete the core courses for the public health major and the concentration courses listed below, inclusive of PBH 497 (9 credit hours) in an approved community health education setting.

Concentration Courses

PBH 234 - Introduction to Health Promotion and Education

Introduction to the field of Health Education/Promotion. History and philosophy of health education and the theoretical foundations are covered. The roles and responsibilities and typical settings in which Certified Health Education Specialists are employed are covered as well as the ethical principles that guide the profession.

Credit Hours: 3

Additional Restrictions/Requirements: Minimum passing grade "C-" or above required in each PBH course to progress in the program. Open to PBH majors only.
Crosslisting: HEA 234.
Course Repeatability: Course may not be repeated.

PBH 300 - Program Planning & Evaluation Methods for Health Promotion

Comprehensive health promotion program planning and evaluation that emphasizes assessment, community engagement, and intervention selection.

Specifically, the course will examine health promotion program planning and evaluation models, needs and assets assessments, measurement, instrument development, reliability/validity assessments, measurement error, and process, impact, and outcome evaluation.

Credit Hours: 3

Prerequisite Courses: PBH 234 with a minimum grade of C-.
Additional Restrictions/Requirements: Open to Public Health majors with a Community Health Education or Global Health concentration. Minimum passing grade of "C-" or above required in each PBH course to progress in the program.
Course Repeatability: Course may not be repeated.
Major Restriction Public Health

PBH 315 - Health Program Implementation

Focus on implementation methods used in community and public health education. An overview of health education methods. Specific strategies for implementing health education for individuals and

groups, coalition building, advocacy and policy change.

Credit Hours: 3

Prerequisite Courses: PBH 234 and PBH 300 with a minimum grade of "C-" in each course.
Additional Restrictions/Requirements: Minimum passing grade of "C-" or above required in each PBH course to progress in the program. Open to PBH majors only in Community Health Education or Global Health concentrations.
Course Repeatability: Course may not be repeated.
Major Restriction Public Health

PBH 351 - Health Communication

Contemporary health communication issues will be studied including communication strategies, models, and theories that enhance the delivery of public health programs in various settings. Micro-level and macro-level applications emphasized.

Credit Hours: 3

Additional Restrictions/Requirements: Minimum

passing grade of "C-" or above required in each PBH course to progress in the program.

Crosslisting: HEA 351.
Course Repeatability: Course may not be repeated.

COM 226 - Health Communication

Application of communication theory and principles to context of health communication, including intrapersonal and interpersonal health across the lifespan, and how politics, institutions, and culture inform and constrain health communication choices.

Credit Hours: 3

Prerequisite Courses: COM 105 with a minimum grade of B
Additional Restrictions/Requirements: Restricted to PCOM and COM majors.
Course Repeatability: Course may not be repeated.

PBH 395 - Health Promotion Practice

This course will examine various settings where health education and promotion efforts may be delivered,

including: community based organizations, governmental public health agencies, schools, worksites, and higher education campuses. Students will be exposed to a variety of topics that are commonly addressed in these settings, including (but not limited to): drug and alcohol education, nutrition, injury and violence prevention, chronic disease prevention and management, relationship and sexual health, and emotional health and wellbeing. The course will emphasize ethical practices and inclusivity in the practical application and delivery of professional health education and promotion efforts.

Credit Hours: 3

Prerequisite or Corequisite Courses: PBH 300 with a minimum grade of "C-".
Prerequisite Courses: PBH 234 with a minimum grade of "C-".
Additional Restrictions/Requirements: Minimum passing grade of "C-" or above required in each PBH course to progress in the program. Open to Public Health majors with a Community Health concentration.

Course Repeatability: Course may not be repeated.
Major Restriction Public Health

PBH 497 - Internship in Public Health

Supervised internship placement in the community. Applies theory to practical application in public health. Requires 120-360 hours of supervised fieldwork, depending on concentration.

Credit Hours: 3 to 9

Corequisite Courses: PBH 496 with a minimum grade of "C-".
Prerequisite Courses: PBH 495 with a minimum grade of "C-".
Additional Restrictions/Requirements: Minimum passing grade of "C-" or above required in each PBH course to progress in the program. Open to PBH majors only; senior standing; 2.5 GPA; and instructor approval.
University Studies: Explorations Beyond the Classroom/Certified Internship Program
Course Repeatability: Course may not be repeated.

Maximum Repeatable Hours: 9
Major Restriction Public Health; Public Health Studies

Total Credit Hours: 65

Global Health Concentration Courses (30 Credit Hours)

This concentration prepares students for international work in developing countries. Students completing the requirements for this concentration will also meet the requirements of the Peace Corp Preparation Certificate Program. To complete a concentration in global health, students must complete the core courses for the public health major, the Foreign Language requirement, the Area Studies/International Studies courses, and Sector Specific courses, inclusive of PBH 497 (9 credit hours) in an approved global health education setting.

Foreign Language

Two semester courses are required for the concentration, or the University language requirement, will fulfill the concentration. Sign language is not accepted to complete this concentration requirement. The Peace Corps recommends 4 semesters of foreign

language, thus students have the option of completing an additional 6 credits. Spanish and French are the recommended languages.

Area Studies/International Studies (6 Credit Hours)

A minimum of two, 3-credit courses that support an international development education. Courses may be selected from the following:

ANT 327 - Globalization & Culture Change

Explores processes of globalization in local communities by addressing issues and dynamics of culture change in the contemporary world. Themes include: economic development and underdevelopment; legacies of colonialism; immigration; transnational culture; market and meaning exchanges in media and the arts; and organized resistance to globalization.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

EVS 205 - Global Environmental Issues

Interdisciplinary study of contemporary environmental issues at a global scale, such as climate change, human population, biodiversity loss, food and water scarcity, energy, stratospheric ozone depletion, acid rain, and environmental justice. Causes, effects, policy implications, international negotiations, and development of treaties will be examined.

Credit Hours: 3

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

EVS 484 - Agriculture and the Environment

Interdisciplinary exploration of the impacts of crop and animal agriculture on terrestrial, aquatic, and marine environments. Topics include natural habitat impacts, sediment transport, nutrient runoff, land conversion, and concentrated feeding operations. Emphasis on building student communication skills and competency

in critical analysis of current environmental issues.

Credit Hours: 3

Prerequisite Courses: EVS 195.
Course Repeatability: Course may not be repeated.
Additional Course Fees: None

GGY 321 - Introduction to Geographic Information Systems

Introduces fundamental concepts and principles of Geographic Information Systems (GIS). Tools, functions, and capabilities of GIS desktop software (e.g. ArcGIS or QGIS) are explained and used to visualize and manipulate geospatial data.

Credit Hours: 3

Prerequisite Courses: GGY 130 or GGY 215 or GLY 101 or GLY 120 or OCN 150 or EVS 195 or EGN 102.
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

INT 105 - Introduction to International Studies

An introductory, interdisciplinary survey of the main concepts and terminology associated with the broad, interdisciplinary field of international studies, including economic, geo-political, and socio-cultural globalization and the effects of these processes on individuals and communities.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

INT 315 - Topics in Globalization

Intensive study of a selected topic or theme in globalization. May be repeated under different subtitles.

Credit Hours: 3

Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

INT 331 - The New Scramble for Africa

Interdisciplinary overview of environmental history and development in Africa from the colonial era to the present.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Major Restriction None**Minor Restriction** None

INT 480 - Global Issues

Intensive study of a selected international topic or theme. May be repeated for credit under a different subtitle.

Credit Hours: 3

Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

PLS 111 - Politics and Government in Global Perspective

Survey for non-majors of politics and governmental institutions within and among nation states. Attention will also be given to the role of political theory and

ideology in the governance of states.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

PLS 218 - Ethics in International Affairs

Role of morality in international affairs to explore how states and citizens act responsibly in international public life. Drawing on the traditions of realism, liberalism, and utilitarianism along with the just war tradition, the course examines the ethical implications of issues such as war, terrorism, globalization, and genocide.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

PLS 220 - Introduction to International Relations

Basic analysis of politics among nations. Role of law, force, and diplomacy in world politics; problems of war, peace, and disarmament.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

Sector (major) Specific Classes (24 Credit Hours)

ANT 346 - Medical Anthropology

Investigation of systems of medical knowledge and healthcare; representations of health and illness; interactions between environmental, biological, and social factors that shape risk in vulnerable communities; and encounters between Western biomedicine and non-Western healing traditions. Emphasis on applied anthropology in global health settings.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

PBH 234 - Introduction to Health Promotion and Education

Introduction to the field of Health Education/Promotion. History and philosophy of health education and the theoretical foundations are covered. The roles and responsibilities and typical settings in which Certified Health Education Specialists are employed are covered as well as the ethical principles that guide the profession.

Credit Hours: 3

Additional Restrictions/Requirements: Minimum passing grade "C-" or above required in each PBH course to progress in the program. Open to PBH majors only.
Crosslisting: HEA 234.
Course Repeatability: Course may not be repeated.

PBH 300 - Program Planning & Evaluation Methods for Health Promotion

Comprehensive health promotion program planning and evaluation that emphasizes assessment, community engagement, and intervention selection.

Specifically, the course will examine health promotion program planning and evaluation models, needs and assets assessments, measurement, instrument development, reliability/validity assessments, measurement error, and process, impact, and outcome evaluation.

Credit Hours: 3

Prerequisite Courses: PBH 234 with a minimum grade of C-.
Additional Restrictions/Requirements: Open to Public Health majors with a Community Health Education or Global Health concentration. Minimum passing grade of "C-" or above required in each PBH course to progress in the program.
Course Repeatability: Course may not be repeated.
Major Restriction Public Health

PBH 315 - Health Program Implementation

Focus on implementation methods used in community and public health education. An overview of health education methods. Specific strategies for implementing health education for individuals and

groups, coalition building, advocacy and policy change.

Credit Hours: 3

Prerequisite Courses: PBH 234 and PBH 300 with a minimum grade of "C-" in each course.
Additional Restrictions/Requirements: Minimum passing grade of "C-" or above required in each PBH course to progress in the program. Open to PBH majors only in Community Health Education or Global Health concentrations.
Course Repeatability: Course may not be repeated.
Major Restriction Public Health

PBH 352 - Intercultural Communication in Global Health

This course will examine basic concepts and principles of effective intercultural communication. This course addresses the concept that culture plays a large role in shaping each individual's health-related values, beliefs, and behaviors, and impacts decision making regarding seeking care and/or treatment. This course will develop students' intercultural communication skills needed to address global health disparities, both in international

and domestic settings.

Credit Hours: 3

Additional Restrictions/Requirements: Minimum passing grade of "C-" or above required in each PBH course to progress in the program. Open to Public Health majors with a Global Health concentration.
Course Repeatability: Course may not be repeated.
Major Restriction Public Health; Public Health Studies

PBH 497 - Internship in Public Health

Supervised internship placement in the community. Applies theory to practical application in public health. Requires 120-360 hours of supervised fieldwork, depending on concentration.

Credit Hours: 3 to 9

Corequisite Courses: PBH 496 with a minimum grade of "C-".
Prerequisite Courses: PBH 495 with a minimum grade of "C-".
Additional Restrictions/Requirements: Minimum

passing grade of "C-" or above required in each PBH course to progress in the program. Open to PBH majors only; senior standing; 2.5 GPA; and instructor approval.
University Studies: Explorations Beyond the Classroom/Certified Internship Program
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 9
Major Restriction Public Health; Public Health Studies

Total Credit Hours: 71

Pre-Clinical Concentration Courses (33 Credit Hours)

This concentration prepares students for graduate study in a clinical health area such as medicine, physician assistant, dentistry, physical therapy, etc., while also providing a strong background in public health. To complete a pre-clinical concentration, students must complete the core courses for the public health major, the courses listed below [inclusive of PBH 497 (3 credit hours) in an approved pre-clinical setting], and 8 credits from the Science Electives listed below.

ATR 470 - Medical Terminology for Health Professions

The course is designed for students to build a foundational understanding of medical terminology with appropriate application to pathological conditions of the various body systems. Focus on preparing students to use appropriate medical documentation skills consistent with today's allied health care professions.

Credit Hours: 3

Prerequisite Courses: EXS 216 or BIO 240.
Course Repeatability: Course may not be repeated

BIO 201 - Principles of Biology: Cells

Introduction to principles governing living systems, especially the cellular and molecular basis of life and the transmission and utilization of genetic information. The lab for this course is BIOL 201.

Credit Hours: 3

Prerequisite or Corequisite Courses: BIOL 201
University Studies: Approaches and

Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

BIO 202 - Principles of Biology: Biodiversity

Evolution, classification, and diversity of life, stressing morphology, physiology, principles of adaptation, and relationships between biotic and abiotic components of ecosystems. The lab for this course is BIOL 202.

Credit Hours: 3

Prerequisite or Corequisite Courses: BIOL 202
University Studies: Building Competencies/Information Literacy, Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

CHM 101 - General Chemistry I

Overview of the fundamental laws, principles and theories of chemistry. A 'C' or better in CHM 101 is required to take certain advanced courses in chemistry.

Credit Hours: 3

Corequisite Courses: CHML 101.
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

CHML 101 - General Chemistry Laboratory I

Introduction to general chemistry laboratory techniques. This course is the lab companion course for general chemistry lecture CHM 101.

Credit Hours: 1

Corequisite Courses: CHM 101.
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

CHM 102 - General Chemistry II

Study of the fundamental laws, principles and theories of chemistry. Introduction to inorganic chemistry.

Interpretation of experimental results. A 'C' or better in CHM 102 is required to take certain advanced courses in chemistry.

Credit Hours: 3

Corequisite Courses: CHML 102.
Prerequisite Courses: CHM 101 and CHML 101.
Course Repeatability: Course may not be repeated.

CHML 102 - General Chemistry Laboratory II

Introduction to techniques and equipment used in the chemical laboratory. Interpretation of experimental results. This course is the lab for CHM 102 .

Credit Hours: 1

Corequisite Courses: CHM 102.
Prerequisite Courses: CHML 101, CHM 101.
Course Repeatability: Course may not be repeated.

PBH 353 - Patient Communication in Healthcare

This course will examine the complexities of health communication with an applied health professional

focus. Within the course, students will develop communication skills needed to initiate and maintain interpersonal and interprofessional relationships with patients, families, and other providers.

Credit Hours: 3

Additional Restrictions/Requirements: Minimum passing grade of "C-" or above required in each PBH course to progress in the program. Open to Public Health majors with a Pre-Clinical concentration.
Course Repeatability: Course may not be repeated.
Major Restriction Public Health

PBH 497 - Internship in Public Health

Supervised internship placement in the community. Applies theory to practical application in public health. Requires 120-360 hours of supervised fieldwork, depending on concentration.

Credit Hours: 3 to 9

Corequisite Courses: PBH 496 with a minimum grade of "C-".

Prerequisite Courses: PBH 495 with a minimum grade of "C-".
Additional Restrictions/Requirements: Minimum passing grade of "C-" or above required in each PBH course to progress in the program. Open to PBH majors only; senior standing; 2.5 GPA; and instructor approval.
University Studies: Explorations Beyond the Classroom/Certified Internship Program
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 9
Major Restriction Public Health; Public Health Studies

2.5 overall GPA, All PBH core courses, including BIO/L 240 & BIO/L 241 OR EXS/L 216 & EXS/L 217 and PBH prefix courses must be completed at the time of application, Senior standing and permission of instructor.

Science Electives based on career goals: select 8 Credit Hours from the following:

CHM 211 - Organic Chemistry I

Introduction to the chemistry of carbon compounds, including structure, reactions, mechanisms, and the concepts of organic synthesis. It is strongly

recommended that students take the lab (CHML 211) concurrently with the lecture. The lab for this course is CHML 211.

Credit Hours: 3

Prerequisite Courses: CHM 102
Course Repeatability: Course may not be repeated.

CHML 211 - Organic Chemistry Laboratory I

Introduction to reactions of organic compounds and basic laboratory techniques. This course is the lab for CHM 211.

Credit Hours: 1

Prerequisite or Corequisite Courses: CHM 211.
Prerequisite Courses: CHML 102
Course Repeatability: Course may not be repeated.

CHM 212 - Organic Chemistry II

Reactions and reaction mechanisms of organic compounds. A 'C' or better in CHM 212 is required to take certain advanced courses in chemistry. The lab for

this course is CHML 212. It is strongly recommended that students take the lab (CHML 212) concurrently with the lecture.

Credit Hours: 3

Prerequisite Courses: CHM 211 with a minimum grade of C
Course Repeatability: Course may not be repeated.

CHML 212 - Organic Chemistry Laboratory II

Reactions of organic compounds and the use of spectroscopic methods in the laboratory. This course is the lab for CHM 212.

Credit Hours: 1

Prerequisite Courses: Prerequisite:CHML 211. Prerequisite or corequisite: CHM 212.
Course Repeatability: Course may not be repeated.

BIO 246 - Microbiology of Human Diseases

An introduction to and survey of the biology of pathogenic microorganisms responsible for human

infectious diseases including: bacteria, viruses, fungi, single-celled protozoans, and parasitic worms, with an emphasis on transmission, diagnosis, prevention, and clinical management. The lab for this course is BIOL 246.

Credit Hours: 3

Prerequisite Courses: BIO 201 and CHM 101 and CHML 101.
Course Repeatability: Course may not be repeated.

and

BIOL 246 - Microbiology of Human Diseases Laboratory

Must be taken after or concurrent with BIO 246 lecture. An introduction to basic microbiological laboratory techniques necessary to isolate, identify, stain, culture, and control microorganisms of interest. Special emphasis is placed upon clinical applications through research and completion of historical and clinical case studies. This course is the lab for BIO 246.

Credit Hours: 1

Prerequisite Courses: Prerequisite or corequisite: BIO 246.
Course Repeatability: Course may not be repeated.

or

BIO 330 - Microbiology

Study of pathogenic and nonpathogenic microorganisms with emphasis on the biology of bacteria and viruses. The lab for this course is BIOL 330.

Credit Hours: 3

Prerequisite Courses: BIO 201 and BIO 202.
Course Repeatability: Course may not be repeated.

and

BIOL 330 - Microbiology Laboratory

Introduction to basic microbiological laboratory techniques. Experience in laboratory approaches to introduce basic laboratory skills in microbial cultures, staining, biochemical assays, and microorganism identification. This course is the lab for BIO 330. This

course is the lab for BIO 330.

Credit Hours: 2

Prerequisite or Corequisite Courses: BIO 330
University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

BIO 335 - Genetics

Principles of Mendelian inheritance, gene action and molecular genetics, and population genetics. The lab for this course is BIOL 335.

Credit Hours: 3

Prerequisite Courses: BIO 201 and BIO 202
Course Repeatability: Course may not be repeated.

BIO 465 - Biochemistry

Chemical properties and metabolism of amino acids, proteins, carbohydrates, lipids, and nucleic acids; enzymes kinetics; bioenergetics regulatory mechanisms. The lab for this course is BIOL 465.

Credit Hours: 3

Prerequisite Courses: BIO 201 and BIO 202 and CHM 211
Additional Restrictions/Requirements: Junior or senior standing.
Course Repeatability: Course may not be repeated.

PHY 101 - Elementary College Physics I

First semester of a two semester algebra-based introduction to the fundamental principles of physics. Topics include kinematics, Newtonian statics and dynamics, gravitation, oscillations, and mechanical waves.

Credit Hours: 4

Prerequisite or Corequisite Courses: MAT 111 or MAT 112 or MAT 150 or MAT 151 or MAT 160 or MAT 161
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural

World
Course Repeatability: Course may not be repeated.

PHY 102 - Elementary College Physics II

Second semester of a two semester algebra-based introduction to the fundamental principles of physics. Topics include electric and magnetic fields, circuits, electromagnetic waves, and optics.

Credit Hours: 4

Prerequisite Courses: PHY 101
Course Repeatability: Course may not be repeated.

PSY 105 - General Psychology

Principles of psychology with emphasis on scientific methods used in studying human behavior.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

BIO 320 - Immunology

Introduction to the molecular, cellular, and anatomical components of the human immune system and their roles in the normal immune response. Explores the mechanisms and consequences of immunodeficiencies, hypersensitivities. autoimmunity, vaccines, immunotherapies, and transplants.

Credit Hours: 3

Prerequisite Courses: BIO 201, BIO 202.
Course Repeatability: Course may not be repeated.

Total Credit Hours: 74

Gerontology Concentration (27 Credit Hours)

This concentration prepares students to work with older adults in a variety of public health settings. To complete a concentration in gerontology, students must complete all core courses for the public health major AND the gerontology concentration courses listed below,

inclusive of PBH 497 in an approved public health setting working with older adults.

HEA 325 - Health and Aging

An introduction to health characteristics of the aging population. Topics include biomedical changes of various body systems and lifestyle factors such as nutrition, stress, drugs, exercise and sexuality. Field experience required.

Credit Hours: 3

Prerequisite Courses: GRN 101
Course Repeatability: Course may not be repeated.

PBH 354 - Aging and Communication

This course explores how communication practices shape the lifelong aging process, focusing on life's middle and later years. The course will focus on the messages, social interactions, relationships, media, and communication technologies that influence the experience of aging. The course examines the intersections of aging and communication processes in intergenerational relationships, families, long-term

marriages, media depictions of aging, communities, healthcare systems, and the workplace. The course will examine normal age-related changes to communication systems. Specifically, it will focus on age-related language, cognition, and social communication changes. Neurological cognitive-communicative disorders (e.g., aphasia, and dementia), which are often associated with aging, will also be discussed. Students will learn theories of aging and communication, read current research, and apply class concepts to improve their understanding of and relationships with older adults. Students will work with a local community agency for the final project. Field hours will be required.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3 **Repeat Limit:** 0
Major Restriction Public Health or Gerontology

PBH 300 - Program Planning & Evaluation Methods for Health Promotion

Comprehensive health promotion program planning and evaluation that emphasizes assessment, community engagement, and intervention selection. Specifically, the course will examine health promotion program planning and evaluation models, needs and assets assessments, measurement, instrument development, reliability/validity assessments, measurement error, and process, impact, and outcome evaluation.

Credit Hours: 3

Prerequisite Courses: PBH 234 with a minimum grade of C-.
Additional Restrictions/Requirements: Open to Public Health majors with a Community Health Education or Global Health concentration. Minimum passing grade of "C-" or above required in each PBH course to progress in the program.
Course Repeatability: Course may not be repeated.
Major Restriction Public Health

PBH 315 - Health Program Implementation

Focus on implementation methods used in community and public health education. An overview of health education methods. Specific strategies for implementing health education for individuals and groups, coalition building, advocacy and policy change.

Credit Hours: 3

Prerequisite Courses: PBH 234 and PBH 300 with a minimum grade of "C-" in each course.
Additional Restrictions/Requirements: Minimum passing grade of "C-" or above required in each PBH course to progress in the program. Open to PBH majors only in Community Health Education or Global Health concentrations.
Course Repeatability: Course may not be repeated.
Major Restriction Public Health

PSY 324 - Psychology of Aging

A study of the psychological aspects of human aging. Topics include the effects of normal and diseased aging on perceptual and cognitive functioning, personality and social relationships, and physical and emotional health.

Credit Hours: 3

Prerequisite Courses: PSY 220 or PSY 221 or PSY 223
Additional Restrictions/Requirements: Prerequisite courses or consent of the instructor.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 336 - Sociology of Aging

Sociological theories and methods used to explain the aging process. Topics include demography, age stratification, aging and the life course, minority elderly, housing patterns, health, and social policy.

Credit Hours: 3

Prerequisite Courses: SOC 105 or GRN 101
University Studies: Approaches and Perspectives/Living in Our Diverse Nation, Approaches and Perspectives/Understanding Human Institutions and Behaviors

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

GRN 440 - Current Issues in Gerontology

Study of current issues and topics in the field of aging from an interdisciplinary and global perspective with participation in a service-learning project.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

PBH 497 - Internship in Public Health

Supervised internship placement in the community. Applies theory to practical application in public health. Requires 120-360 hours of supervised fieldwork, depending on concentration.

Credit Hours: 3 to 9

Corequisite Courses: PBH 496 with a minimum grade of "C-".

Prerequisite Courses: PBH 495 with a minimum grade of "C-".
Additional Restrictions/Requirements: Minimum passing grade of "C-" or above required in each PBH course to progress in the program. Open to PBH majors only; senior standing; 2.5 GPA; and instructor approval.
University Studies: Explorations Beyond the Classroom/Certified Internship Program
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 9
Major Restriction Public Health; Public Health Studies

Approved Gerontology Elective Courses:

(Select one course from the list below; other courses may be considered for approval upon request.)

COM 347 - Aging and Communication

Communicative behavior of the elderly within the contexts of friendship networks, health care systems, the work place, and the family. Social forces that influence society's perceptions of the aging communicator.

Credit Hours: 3

Prerequisite Courses: COM 200 with a minimum grade of B
Additional Restrictions/Requirements: Prerequisite course or consent of instructor. Restricted to COM majors.
Course Repeatability: Course may not be repeated.

PAR 215 - Medical Ethics: Life and Death Decisions in Health Care

Examination of the principles and problems in the application of ethical theory to medical research and practice.

Credit Hours: 3

University Studies: Approaches and Perspectives/Historical and Philosophical Approaches
Course Repeatability: Course may not be repeated.

PSY 223 - Life Span Human Development

Variables and factors underlying human growth and development across the life span. Physical, cognitive,

social, emotional, and sexual developments are emphasized.

Credit Hours: 3

Prerequisite Courses: PSY 105
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

PSY 416 - Adult Development and Life Transitions

A course in human development. An exploration of the major normative and nonnormative changes that take place during adulthood. Operating from a lifespan perspective, includes examination of how adults initiate, understand, cope with and resolve life transitions (e.g. parenting, loss, illness, career change, relationships, change.)

Credit Hours: 3

Prerequisite Courses: PSY 220 or PSY 221 or PSY 223 or PSY 320 or PSY 324
University Studies: Explorations Beyond the

Classroom
Crosslisting: PSY 516
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

RTH 469 - Recreation Therapy in Geriatrics

Emphasis on theories and evidence-based recreation therapy and other nonpharmaceutical treatments for individuals with dementia related illnesses in a variety of settings. Field work required.

Credit Hours: 3

Prerequisite Courses: RTH 375 with a C- or better and GRN 101.
Additional Restrictions/Requirements: Prerequisite courses or consent of instructor.
Crosslisting: RTH 569
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 220 - Sociology of Death and Dying

Examination of the sociological dimensions of death in modern society. The social organizational and cultural

dimensions of death will be considered in terms of rites of passage, bureaucratization, social movements, cultural differences, and historical and contemporary contexts.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SWK 310 - Social Work with Older Adults

Examines the status of the elderly and specific problems they confront in modern society. Focuses on social agencies and other service resources. Analyzes policies. Major emphases on practice, service settings and special populations.

Credit Hours: 3

Prerequisite Courses: SWK 235 or GRN 101.
Additional Restrictions/Requirements: Students

must earn a "C" or better in each SWK course in order to progress in the program.
Course Repeatability: Course may not be repeated.

GRN 422 - Family Health and Aging

Study of family systems theory, paradigms for caregiving, illness and life-stage challenges for caregiving, and the interface between formal caregivers and caregiving families.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

GRN 424 - Cultural Representations of Aging

This course includes the study of various representations of aging, including fine art, films, novels, poetry, and more. We will compare and contrast such creative representations of aging with scientific (e.g., scholarly literature) ways of knowing about aging. Through engaging bio-psycho-social-humanities frameworks to explore aging-related phenomena, students will develop a well-rounded understanding of a variety of topics.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

GRN 446 - Health Care Access for Older Adults

An introduction to the U.S. health care system with an emphasis on issues related to older adults, including problems of access to health care for the aging population, their families, and communities.

Credit Hours: 3

Prerequisite Courses: GRN 101
Additional Restrictions/Requirements: Junior or senior standing.
Crosslisting: GRN 546, RTH 546
Course Repeatability: Course may not be repeated.

GRN 486 - Interprofessional Collaboration: Careers in Aging

A theoretical and applied examination of existing professional careers in gerontology and those that might exist in the future.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

GRN 491 - Directed Individual Study

Gerontological investigation, under faculty supervision, beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.

Credit Hours: 1 To 3

Prerequisite Courses: GRN 101
Additional Restrictions/Requirements: Prerequisite course, overall GPA of at least 2.00, and consent of instructor, gerontology coordinator, and the appropriate dean.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

GRN 495 - Topical Seminar in Gerontology

Discussion of selected topics in Gerontology.

Credit Hours: 3

Prerequisite Courses: GRN 101
Additional Restrictions/Requirements: Prerequisite course and consent of instructor.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 9

> Students in the GRN concentration in PBH may be eligible for the B.S. in Public Health / M.S. in Applied Gerontology, Combined Program. For more information visit the Public Health B.S./Applied Gerontology M.S. - Combined Program.

Total Credit Hours: 68

Recreation Therapy, B.A.

Program Coordinator: Brent Hawkins, Ph.D. I Program Coordinator & Associate Professor

(Recreation Therapy, B.A. Details I UNCW)

Graduates in recreation therapy (RT) are trained to utilize recreation activities and other active treatment modalities to increase the functional abilities and quality of life of people of all ages with disabilities and

illnesses, such as cognitive impairments, intellectual and developmental disabilities; behavioral health issues including substance abuse, physical disabilities and diseases; and dementia and other illnesses related to aging. RT complements other allied health professions and therapies to address clients' adjustment to illness and disability and educate them for healthy living. In addition, graduates in RT can pursue graduate degrees in RT or other allied health and human services professions if desired.

The purpose of the baccalaureate program in RT is to prepare graduates who possess the knowledge, skills and competencies to practice RT in healthcare and human service settings and be leaders in the field of RT and healthcare. This preparation places a priority on the development of skills through in- and out-of-class applied learning experiences, practicum, internships, and community engagement. Furthermore, student outcomes emphasize critical thinking and evidence-based practice as means of assisting clients and organizations in reaching their goals and maximizing the quality of life of individuals served. To be eligible to practice RT, graduates must be credentialed as Licensed Recreational Therapists

(LRT) by the North Carolina Board of Recreational Therapy Licensure and Certified Therapeutic Recreation Specialists (CTRS) by the National Council for Therapeutic Recreation Certification (NCTRC). Licensure and certification are obtained by completing a bachelor's degree in RT and receiving a passing score on the NCTRC national certification exam.

Program Admission

All students wishing to major in Recreation Therapy must meet the minimum criteria for admission and follow the Recreation Therapy application procedure which includes timely submission of the Recreation Therapy application packet.

Minimum criteria for acceptance into the program includes:

a.) 2.5 cumulative GPA at UNCW or transfer institution; and

b.)a minimum of 50 hours experience working or volunteering with individuals with disabilities, disabling conditions or illnesses.

Admission Procedure

Completed application packet must be submitted following the instructions on the main webpage of the Recreation Therapy program: https://uncw.edu/chhs/shahs/academic/undergraduate/rectherapy/index.html.

An application packet must include:

- Completed application form
- Two-page essay
- Signed Recreation Therapy Technical Standards, and
- Current degree audit or transcript if student is a transfer student
- Documentation of volunteer/work experience with individuals with disabilities, disabling conditions, or illnesses.
- The admission procedure also requires an interview with a Recreation Therapy faculty member.
- Priority Application Deadlines For Fall admission, Feb. 15th For Spring admission, Sept. 15th

Oral Communication Requirement:

To satisfy the oral communication requirement for the B.A. degree in Recreation Therapy a student must successfully complete RTH 480.

Applied Learning Requirement:

To satisfy the applied learning requirement for the B.A. degree in Recreation Therapy a student must successfully complete RTH 348 and RTH 497.

Requirements for the B.A. Degree with a Major in Recreation Therapy:

Complete one of the following sequences:

EXS 216 - Human Anatomy and Physiology I

Examines seven of the major organ systems that includes the human integumentary, skeletal, muscular, circulatory, and respiratory structures and functions as related to health and movement.

Credit Hours: 3

Corequisite Courses: EXSL 216
University Studies: Approaches and

Perspectives/Scientific Approaches to the Natural Word
Course Repeatability: Course may not be repeated.

EXSL 216 - Human Anatomy and Physiology I Laboratory

EXSL 216 is the study of the anatomical and functional characteristics of the human body including the skeletal, muscular, circulatory, and respiratory systems with emphasis on health and physical activity.

Credit Hours: 1

Prerequisite Courses: Prerequisite or corequisite: EXS 216.
Course Repeatability: Course may not be repeated.

EXS 217 - Human Anatomy and Physiology II

Examines six major organ systems that include the human nervous, endocrine, immune, digestive, urinary and reproductive systems as related to health and movement.

Credit Hours: 3

Corequisite Courses: EXSL 217
Prerequisite Courses: EXS 216
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

EXSL 217 - Human Anatomy and Physiology II Laboratory

EXSL 217 provides the laboratory experience for EXS 217 via examining the anatomy and physiology of the nervous, endocrine, immune, digestive, urinary and reproductive systems including the special senses and metabolism.

Credit Hours: 1

Prerequisite Courses: Prerequisite or corequisite: EXS 217.
Course Repeatability: Course may not be repeated.

OR

BIO 240 - Human Anatomy and Physiology I

Lecture must be taken concurrent with BIOL 240 . An introduction to the human organism with particular emphasis on maintenance of an internal steady state. Tissues, musculoskeletal, nervous, and endocrine systems are stressed. The lab for this course is BIOL 240.

Credit Hours: 3

Corequisite Courses: BIOL 240.
Prerequisite Courses: BIO 201 and CHM 101 and CHML 101.
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

BIOL 240 - Human Anatomy and Physiology Laboratory I

Basic histology, dissections, and physiology experiments to demonstrate principles explored in BIO 240. This course is the lab for BIO 240.

Credit Hours: 1

Prerequisite Courses: Prerequisite or corequisite: BIO 240.
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

BIO 241 - Human Anatomy and Physiology II

A comprehensive study of human organ systems as relates to the maintenance of homeostasis. Topics include cardiovascular, respiratory, digestive, urinary, and reproductive systems. The lab for this course is BIOL 241.

Credit Hours: 3

Corequisite Courses: BIOL 241
Prerequisite Courses: BIO 240
Course Repeatability: Course may not be repeated.

BIOL 241 - Human Anatomy and Physiology Laboratory II

Basic histology, dissections, and physiology experiments to demonstrate principles explored in BIO 241. This course is the lab for BIO 241.

Credit Hours: 1

Prerequisite Courses: Prerequisite or corequisite: BIO 241.
Course Repeatability: Course may not be repeated.

All students are required to complete:

PSY 223 - Life Span Human Development

Variables and factors underlying human growth and development across the life span. Physical, cognitive, social, emotional, and sexual developments are emphasized.

Credit Hours: 3

Prerequisite Courses: PSY 105
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

PSY 247 - Abnormal Psychology

An introduction to the symptoms and sequelae of behavioral disorders and major theories of the science of psychopathology or abnormal psychology.

Credit Hours: 3

Prerequisite Courses: PSY 105
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

HFE 350 - Motor Behavior

Motor skill acquisition, control, and performance. Physiological and psychological principles of human growth and development. Includes analysis of the sequential progression of fundamental motor skills from infancy through adulthood with primary focus on school-age children.

Credit Hours: 3

Prerequisite Courses: (BIO 240 with a C- or better and BIOL 240 with a C- or better) or (EXS 216 with a C- or better and EXSL 216 with a C- or better).
Course Repeatability: Course may not be repeated.

or

ATR 220 - Functional and Structural Kinesiology

Prerequisite: BIO 201; Corequisites: BIO 240, BIOL 240 and BIO 241, BIOL 241 or EXS 216, EXSL 216 and EXS 217. This course is designed to provide students with a foundation of structural anatomy and basic kinesiology concepts, with a focus on anatomy of the skelton, muscles, and ligaments in relation to functional human movement.

Credit Hours: 3

Corequisite Courses: BIO 240 and BIOL 240 and BIO 241 and BIOL 241 and EXS 216 and EXSL 216 and EXS 217
Prerequisite Courses: BIO 201
Course Repeatability: Course may not be repeated.

ATR 470 - Medical Terminology for Health Professions

The course is designed for students to build a foundational understanding of medical terminology with

appropriate application to pathological conditions of the various body systems. Focus on preparing students to use appropriate medical documentation skills consistent with today's allied health care professions.

Credit Hours: 3

Prerequisite Courses: EXS 216 or BIO 240.
Course Repeatability: Course may not be repeated

RTH 265 - Introduction to Recreation Therapy

This course is designed to introduce students to the field of recreation therapy. Definitions of recreation therapy, historical and professional development of recreation therapy services, allied disciplines, settings for service delivery, the recreation therapy process, disability etiquette, and populations are covered.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3 **Repeat Limit:** 1
Major Restriction RTH

RTH 348 - Practicum in Recreation Therapy

Supervised practicum in a health care or human service setting providing services to people with disabilities or illnesses. Relates theory to practical application in the field. Requires a minimum of 100 hours field work.

Credit Hours: 3

Prerequisite Courses: RTH 265 with a C- or better.
Additional Restrictions/Requirements: Permission of instructor.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

RTH 368 - Foundations of Recreation Therapy

This course will provide students with an understanding of the foundational elements key to the provision of quality recreation therapy services and overall recreation therapy service delivery. The following concepts will be explored in-depth: scope of service; service delivery models; social psychology theories; theories of play; recreation and leisure; therapeutic

alliance; cultural competency; strengths-approach, and ethics.

Credit Hours: 3

Prerequisite or Corequisite Courses: RTH 265 with a C - or better.
Additional Restrictions/Requirements: Prerequisite or corequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

RTH 370 - Recreation Therapy in Physical Rehabilitation

Etiology, functional and health implications of physically disabling conditions; selection of interventions; safety considerations pertinent to planning and delivery of recreation therapy services.

Credit Hours: 3

Prerequisite or Corequisite Courses: RTH 368 with a C- or better.

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

RTH 372 - Recreation Therapy in Behavioral Health

Etiology, functional, and health implications of developmental disabilities; sensory impairments; and conditions related to emotional and behavioral health; selection of recreation therapy interventions; safety considerations pertinent to planning and delivery of recreation therapy services.

Credit Hours: 3

Prerequisite or Corequisite Courses: RTH 368 with a C- or better.
University Studies: Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

RTH 375 - Recreation Therapy Processes and Techniques

This course will provide students a comprehensive overview and knowledge of processes and techniques used by recreation therapists to establish and maintain effective therapeutic helping relationships. Theories specific to the helping process, facilitation skills, leadership styles, group dynamics, activity and task analysis, modifications and assistive devices will be covered.

Credit Hours: 3

Prerequisite or Corequisite Courses: RTH 368 with a C- or better.
Additional Restrictions/Requirements: Corequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

RTH 380 - Assessment and Outcome Planning in Recreation Therapy

Role of reliable assessment in the treatment planning process in recreation therapy. Skills in assessment, goal writing and attainment, documentation, and outcome measurement.

Credit Hours: 3

Prerequisite Courses: RTH 265 with a C - or better.
Additional Restrictions/Requirements: Prerequisite or instructor approval
University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 4

RTH 381 - Recreation Therapy TX Modalities I

Emphasis on leadership, group processing, activity adaptation, behavior management, therapeutic communication, social skills, leisure education, and challenge activities. Field work required.

Credit Hours: 3

Prerequisite Courses: RTH 375 with a C- or better.
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

RTH 390 - Pre-Internship Seminar in Recreation Therapy

Preparation for the internship experience with emphasis on development of professional behaviors that facilitate internship and career success in recreation therapy and other allied health professions.

Credit Hours: 1

Prerequisite Courses: RTH 368 with a C- or better.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 1

RTH 391 - Recreation Therapy Internship Finalization

Students (a) become proficient in clinical/professional writing; (b) apply to five or more internship sites; (c) complete internship contracts and affiliation agreements; (d) set professional goals for their clinical experience; and (e) complete required certification trainings and mandatory requirements of the agency (students may incur extra costs for certification trainings).

Credit Hours: 1

Prerequisite Courses: RTH 390 with a C- or better.
Additional Restrictions/Requirements: Prerequisite course and senior standing or consent of instructor.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 1

RTH 459 - Research & Evaluation Methods in Recreation Therapy

This course will provide students a basic introduction to research and evaluation methods, including qualitative, quantitative, and mixed methods research designs. Philosophical worldviews, and fundamental principles associated with conducting a literature review, formulating a research proposal, collecting, analyzing, and interpreting data will be covered. Applying research-specific knowledge and skills when implementing the APIE process will also be addressed.

Credit Hours: 3

Prerequisite Courses: RTH 380 with a C- or better.
Additional Restrictions/Requirements: Prerequisite

course or consent of instructor.
University Studies: Building Competencies/Writing Intensive, Building Competencies/Information Literacy, Common Requirements/Critical Reasoning
Crosslisting: RTH 559
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

RTH 475 - Leadership and Management in Recreation Therapy

Principles and practices of recreation therapy management, particularly the effective and efficient management of human, fiscal, informational, and physical resources in health care and human services.

Credit Hours: 3

Prerequisite Courses: RTH 380 with a C- or better, RTH 370 with a C- or better, and RTH 372 with a C- or better.
Additional Restrictions/Requirements: Restricted to RTH majors only.
University Studies: Building Competencies/Writing Intensive, Building Competencies/Information Literacy

Crosslisting: RTH 575
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3
Major Restriction RTH

RTH 480 - Senior Seminar in Recreation Therapy

Capstone course in which students utilize theories and methods from previous courses to explore selected topics, issues, and trends related to the recreation therapy profession.

Credit Hours: 3

Prerequisite Courses: RTH 368 with a C- or better.
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
University Studies: Approaches and Perspectives/Living in a Global Society, Building Competencies/Information Literacy, Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

RTH 497 - Field Placement in Recreation Therapy

This is a capstone, applied learning course; students apply APIE process supervised by a certified therapeutic recreation specialist in a healthcare/human service agency utilizing clinical recreation therapy procedures/practices. Minimum 560 hours/14 consecutive weeks of fieldwork and liability insurance required.

Credit Hours: 12

Prerequisite Courses: RTH 391 with a C- or better.
Additional Restrictions/Requirements: Prerequisite course, minimum 2.5 cumulative GPA, 2.5 RTH major GPA, senior standing with a cumulative 3.0 GPA in all RTH courses, agency approval, current certification in CPR/First Aid and Bloodborne Pathogens, and instructor approval.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 12

In addition, all students are required to complete at least three of the following treatment modality or intervention courses:

RTH 385 - Recreation Therapy TX Modalities II: Exercise & Movement

Advanced lecture/applied learning providing an in-depth understanding and application of exercise movement treatment modalities used with individuals and groups who have physical, cognitive, and/or behavioral health conditions. Content, process, and evidence-based resources will be addressed. Students will be provided hands-on experiences with planning, implementing, and evaluating each modality.

Credit Hours: 2

Prerequisite Courses: RTH 375 with a C- or better.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 2

RTH 386 - Recreation Therapy TX Modalities III: Expressive Arts

Advanced lecture and applied learning providing an in-depth understanding and application of expressive art treatment modalities used with individuals and groups who have physical, cognitive, and/or behavioral conditions. Content, process, and evidence-based resources will be addressed. Students will be provided hands-on experiences with planning, implementing, and evaluating each modality.

Credit Hours: 2

Prerequisite Courses: RTH 375 with a C- or better.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 2

RTH 387 - Recreation Therapy TX Modalities IV: Stress and Pain Management

Advanced lecture and applied learning providing an in-depth understanding and application of a variety of stress and pain management treatment modalities used with individuals and groups who have physical, cognitive, and/or behavioral health conditions. Content, process, and evidence-based resources will be addressed. Students will be provided hands-on

experiences with planning, implementing, and evaluating a variety of specific techniques.

Credit Hours: 2

Prerequisite Courses: RTH 375 with a C- or better.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 2

RTH 388 - Adaptive Sports

Introduction to community-based and elite-level adaptive sports. Students may be required to volunteer at a local, regional, national, or international adaptive sports event. In addition to experiencing adaptive sports via interactions with athletes and coaches, students will be exposed to programming and event management.

Credit Hours: 2

Prerequisite Courses: RTH 368 with a C- or better.
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

RTH 389 - Recreation Therapy TX Modalities V: Cognitive Retraining

Advanced lecture and applied learning providing an in-depth understanding and application of a variety of cognitive retraining techniques used with individuals and groups who have physical, cognitive, and/or behavioral health conditions. Content, process, and evidence-based resources will be addressed. Students will be provided hands-on experiences with planning, implementing, and evaluating a variety of techniques.

Credit Hours: 2

Prerequisite Courses: RTH 375 with a C- or better.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 2

RTH 393 - Functional Fitness in Recreation Therapy

This course introduces students to community-based recreation therapy programming for individuals with

disabilities residing in group homes or attendng day treatment programs. Students will have an opportunity to plan and facillitate evidence-based interventions for the purpose of increasing participants' physical fitness and quality of life. Students will be exposed to program evaluation utilizing a systematic research process.

Credit Hours: 2

Prerequisite Courses: RTH 375 with a C- or better.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 2
Additional Course Fees: Medical Liability InsuranceAdditional Course Fee Schedule

RTH 394 - Aquatics in Recreation Therapy

Introduction to the use of aquatic activities as treatment interventions in recreation therapy for a variety of populations and individuals with disabilities and illnesses. Topics may include aquatic therapy, aquatic exercise and/or adapted aquatics. Students are required to have basic swimming skills. Class will be held in a swimming pool and students are required to be in the water.

Credit Hours: 3

Prerequisite Courses: RTH 375 with a C- or better.
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

RTH 469 - Recreation Therapy in Geriatrics

Emphasis on theories and evidence-based recreation therapy and other nonpharmaceutical treatments for individuals with dementia related illnesses in a variety of settings. Field work required.

Credit Hours: 3

Prerequisite Courses: RTH 375 with a C- or better and GRN 101.
Additional Restrictions/Requirements: Prerequisite courses or consent of instructor.
Crosslisting: RTH 569
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

RTH 379 - Advanced Assistance Dog Training II

Knowledge of advanced theories of disability and behaviors that influence placement and use of assistance dogs. Students will engage in practical and hands-on experience in the advanced training of assistance dogs; and the training of a assistance dog to work specifically with a potential assistance dog recipient. Students will be responsible for the 24/7 care. Requires participation outside of scheduled class time and UNCW liability insurance.

Credit Hours: 3

Prerequisite Courses: RTH 378 with C- or better
Additional Restrictions/Requirements: Prerequisite course and consent of instructor.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 3 **Repeat Limit:** 2
Additional Course Fees: Additional Fee - Liability Insurance

WPA 220 - Introduction to Yoga Methodology and Techniques

This course provides a foundational study and application pertaining to the study of yoga and its history, literature, philosophy and practice. This course draws from multiple yoga traditions with the emphasis placed on Patanjali's, Yoga Sutras. Students will be taught yoga techniques, teaching methodology, and the practice of asana, pranayama, meditation, and other traditional yoga techniques.

Credit Hours: 3

Prerequisite Courses: WPAL 101.
Additional Restrictions/Requirements: Students must have some yoga experience (>10 hours of practicing yoga).
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

Total: 73 hours

Student progression in the program is contingent upon the following:

1. Students must maintain at least a 2.50 RT major GPA, and a 3.0 cumulative GPA in all RTH required student courses.

2. Students found to have been in violation of the university's Academic Honor Code will be subject to disciplinary action as set forth in the current Code of Student Life.
3. Students found to be in violation of the Recreation Therapy Technical Standards will be subject to disciplinary action up to and including dismissal from the program.
4. Students found to be in violation of the American Therapeutic Recreation Association's Code of Ethics will be subject to disciplinary action up to and including dismissal from the program.

Respiratory Therapy B.S.

https://uncw.edu/academics/majors-programs/chhs/respiratory-therapy-bs/details/

Graduates in respiratory therapy (RSP) will be prepared to become highly competent healthcare practitioners who display professional excellence, integrity and skills for life-long learning. Respiratory care requires not only technical expertise, but also humane, empathetic and professional behavior directed towards patient-centered care in an inter-professional healthcare setting. The program prepares graduates

with demonstrated competence in the cognitive (knowledge), psychomotor (skills), and affective (behavior) domains of respiratory care practice as performed by registered respiratory therapists (RRT's).

Respiratory therapists are part of an interprofessional health care team that promote the health outcome for patients served in acute care hospitals, diagnostics labs, physician offices and additional health care settings. Respiratory therapists work under the direct supervision of a physician and compliment other allied health professions and therapies to address cardiopulmonary wellness & rehabilitation through education, equipment and expertise. In addition, graduates in respiratory therapy can pursue graduate degrees in respiratory care leadership, education, and clinical residency.

The purpose of the baccalaureate program in respiratory therapy is to prepare students for the scope

of practice in the respiratory therapy profession. In addition, the program is designed to provide a foundation for graduate respiratory therapy education. Through interactions with clients–individual persons, families and communities–and other health care professionals, respiratory therapy graduates will contribute toward meeting the wide-ranging needs of the region, state, and the larger community. The program of study for the Respiratory Therapy as described in this catalogue, is consistent with national accreditation standards outline by CoARC in pursuit of full accreditation.

Student Learning Outcomes

- Demonstrate competencies within the respiratory care scope of practice.
- Safely apply respiratory therapy to a diverse patient population.
- Demonstrate professional behaviors when pursuing a career in respiratory care.
- Appraise information that contributes to evidence-based medicine.

- Value the role of inclusive leadership in addressing disparities in healthcare delivery.
- Collaborate within an interdisciplinary team to provide care for diverse patient populations within a healthcare setting.

In order to be eligible to practice respiratory therapy, graduates must be credentialed by the National Board for Respiratory Care (NBRC) as a Certified Respiratory Therapist (CRT), at a minimum, but be ready to obtain the standard professional credential as a Registered Respiratory Therapist (RRT). Licensure is obtained by applying the earned national credential, CRT or RRT, to a state licensing board. Specialty credentials are offered by the NBRC as a pulmonary function technologist, adult critical care specialist, neonatal/pediatric specialist and sleep disorder specialty.

Program Admission

All students wishing to major in Respiratory Therapy must meet the minimum criteria for admission and follow the Respiratory Therapy application procedure which includes timely submission of the Respiratory

Therapy application packet.

Minimum criteria for acceptance into the program includes:

a) 2.5 cumulative GPA at UNCW or transfer institution; and

b) Completed

- BIO/BIOL 201 and (or equivalent courses with a "C" or higher)
- MAT 111 or STT 215 or STT 210 and (or equivalent courses with a "C" or higher)
- EXS/EXSL 216 or BIO/BIOL 240 (or equivalent courses with a "C" or higher)

Admission Procedure:

Completed application packet must be submitted to chhs@uncw.edu .

Application packet must include:

- Completed application form
- Two-page essay

- Current degree audit or transcript if student is a transfer student

The admission procedure also requires an interview with a Respiratory Therapy faculty member.

Requirements for the B.S. Degree with a Major in Respiratory Therapy

Complete core courses in the following sequence:

Year I - Term 1

RSP 300 - Fundamentals of Respiratory Care

This course introduces the role of the respiratory care practitioner within inter-professional teams and interacting with diverse populations. This course offers a comprehensive introduction to the respiratory care profession and keeps students up to date with the latest advances and trends in professional practice. Topics include medical gas administration, therapeutic devices, basic patient assessment, infection control, and medical terminology using proper written and oral communication methods to prepare students for clinical practice. Upon completion, students should be able to demonstrate competence in respiratory therapy concepts and procedures through written evaluations.

Credit Hours: 3

Prerequisite or Corequisite Courses: RSP 330 with a C or better, RSP 301 with a C or better, RSP 302 with a C or better, RSP 303 with a C or better, and RSP 351 with a C or better.
Additional Restrictions/Requirements: Restricted to RSP majors only.
Course Repeatability: Course may not be repeated.
Major Restriction RSP

RSP 330 - Respiratory Care Lab 1

This course reinforces understanding of the role of the respiratory care practitioner within interprofessional teams and interactions with diverse patient populations. Activities include medical gas administration, aerosol delivery, respiratory therapeutics, airway management & trach care, introduction to non-invasive ventilation and medical terminology. Learners will practice skills that support a complete patient examination through the assessment of medical records, physical findings, laboratory data, the chest radiograph, and diagnostic and therapeutic interventions. Upon completion,

students should be able to demonstrate competencies necessary to care for patients with cardiopulmonary disease and disorders that affect life functions.

Credit Hours: 2

Prerequisite or Corequisite Courses: RSP 300 with a C or better, RSP 301 with a C or better, RSP 302 with a C or better, RSP 303 with a C or better, and RSP 351 with a C or better.
Additional Restrictions/Requirements: Restricted to RSP majors only.
Course Repeatability: Course may not be repeated.
Additional Course Fees: Additional Fee - Nursing Simulation Lab Fee Additional Course Fee Schedule

Major Restriction RSP

RSP 301 - Cardiopulmonary Anatomy and Physiology

This course provides a concentrated study of cardiopulmonary anatomy and physiology essential to the practice of respiratory care. Emphasis is placed on

cardiovascular and pulmonary physiology, acid/base balance, regulation of breathing, oxygen & carbon dioxide transport and blood gas interpretation. Upon completion, students should be able to demonstrate competence in these concepts through written evaluation.

Credit Hours: 3

Prerequisite or Corequisite Courses: RSP 300 with a C or better, RSP 330 with a C or better, RSP 302 with a C or better, RSP 303 with a C or better, and RSP 351 with a C or better.
Additional Restrictions/Requirements: Restricted to RSP majors only.
Course Repeatability: Course may not be repeated.
Major Restriction RSP

RSP 302 - Cardiopulmonary Pharmacology

This course covers medications used in the treatment of cardiopulmonary diseases. Emphasis is placed on the uses, actions, indications, administration, and hazards of pharmacological agents. Students will be familiar with up-to-date evidence-based practices and

clinical practice guidelines involving medication use in critical care. Upon completion, students should be able to demonstrate competence through written evaluations.

Credit Hours: 2

Prerequisite or Corequisite Courses: RSP 300 with a C or better, RSP 330 with a C or better, RSP 301 with a C or better, RSP 303 with a C or better, and RSP 351 with a C or better.
Additional Restrictions/Requirements: Restricted to RSP majors only.
Course Repeatability: Course may not be repeated.
Major Restriction RSP

RSP 303 - Patient Assessment

This course introduces the role of the respiratory care practitioner during the patient encounter. Topics will include the stages and spaces utilized to promote a positive encounter and the patient interview that promotes patient safety, integrity, and autonomy. Learners will be introduced to skills that support a complete patient examination through the assessment

of medical records, physical findings, laboratory data, the chest radiograph, diagnostic and therapeutic interventions. Upon completion, students should be able to demonstrate competence in concepts in patient assessment through written evaluations.

Credit Hours: 3

Prerequisite or Corequisite Courses: RSP 300 with a C or better, RSP 330 with a C or better, RSP 301 with a C or better, RSP 302 with a C or better, and RSP 351 with a C or better.
Additional Restrictions/Requirements: Restricted to RSP majors only.
Course Repeatability: Course may not be repeated.
Major Restriction RSP

RSP 351 - Clinical Practice I

This course provides supervised entry-level clinical experience via assigned medical facilities. Emphasis is placed on assessment, therapeutic techniques, non-invasive procedures, diagnostics and communication strategies within the scope of practice for respiratory care. Upon completion students should be able to

demonstrate, through required performance evaluations, clinical competence and novice proficiency of patient care in an inter-professional setting.

Credit Hours: 1

Prerequisite or Corequisite Courses: RSP 300 with a C or better, RSP 330 with a C or better, RSP 301 with a C or better, RSP 302 with a C or better, RSP 303 with a C or better.
Additional Restrictions/Requirements: Restricted to RSP majors only.
Course Repeatability: Course may not be repeated.
Additional Course Fees: Additional Fee - Liability Insurance Additional Course Fee Schedule

Major Restriction RSP

Year I - Term 2

RSP 304 - Cardiopulmonary Diseases and Diagnostics

This course provides emphasis on diagnostic and therapeutic procedures associated with cardiopulmonary disease. Students will investigate the

cause of cardiopulmonary diseases and the changes to structure & function of the human anatomy. Student will differentiate the etiology, clinical manifestations, pathogenesis, lab data and treatment for acute & chronic cardiopulmonary diseases. Upon completion, students should be able to demonstrate competence in respiratory therapy concepts and procedures through written evaluations.

Credit Hours: 3

Prerequisite or Corequisite Courses: RSP 306 with a C or better and RSP 352 with a C or better.
Prerequisite Courses: RSP 301 with a C or better, RSP 302 with a C or better, RSP 303 with a C or better, RSP 306 with a C or better, and RSP 352 with a C or better.
Additional Restrictions/Requirements: Restricted to RSP majors only.
Course Repeatability: Course may not be repeated.
Major Restriction RSP

RSP 306 - Introduction to Mechanical Ventilation

This course provides students an introduction of acute patient care and managing a critically ill patients on ventilators. Students will explore the indications, contraindications and hazards of invasive and non-invasive ventilation. Emphasis on the review of current approaches to ventilator management, monitoring techniques, graphics and weaning strategies. Upon completion, students should be able to demonstrate competence in respiratory therapy concepts and procedures in the intensive care unit through written evaluations.

Credit Hours: 3

Prerequisite or Corequisite Courses: RSP 304 with a C or better and RSP 352 with a C or better.
Prerequisite Courses: RSP 300 with a C or better, RSP 301 with a C or better, RSP 302 with a C or better, RSP 303 with a C or better, RSP 304 with a C or better, and RSP 352 with a C or better.
Additional Restrictions/Requirements: Restricted to RSP majors only.
Course Repeatability: Course may not be repeated.
Major Restriction RSP

RSP 309 - Respiratory Care Lab II

This course reinforces patient care skills using mechanical ventilation in a critical care setting. Topics include introductions in the application and management of mechanical ventilation, assessment of underlying pathophysiology, and use of critical care monitoring, cardiovascular & hemodynamic monitoring, diagnostic imaging, laboratory values, diseases in the intensive care unit, pharmacology, and nutrition. This course includes advanced information gathering and decision-making for respiratory care professionals. Upon completion, students should be able to demonstrate competence in respiratory therapy concepts and critical care procedures through laboratory and simulated evaluations.

Credit Hours: 2

Prerequisite or Corequisite Courses: RSP 304 with a C or better, RSP 306 with a C or better, and RSP 352 with a C or better.
Prerequisite Courses: RSP 300 with a C or better, RSP 301 with a C or better, RSP 302 with a C or better, RSP 303 with a C or better, RSP 330 with a C or better,

and RSP 351 with a C or better.
Additional Restrictions/Requirements: Restricted to RSP majors only.
Course Repeatability: Course may not be repeated.
Additional Course Fees: Additional Fee - Nursing Simulation Lab FeeAdditional Course Fee Schedule

Major Restriction RSP

RSP 410 - Ethical Dilemmas in Healthcare

This course provides and introduction to ethical dilemmas for health care professionals from a legal framework. Topics will include strategies on how to recognize the legal and ethical issues that health care professionals face. Topics are based upon real-world scenarios and dilemmas from a variety of health care practitioners. Upon completion, students should be able to demonstrate competence in ethical and legal concepts through written evaluations.

Credit Hours: 3

Prerequisite Courses: RSP 351 with a C or better.
Additional Restrictions/Requirements: Restricted to

RSP majors only.
Course Repeatability: Course may not be repeated.
Major Restriction RSP

CHHS 411 - Research & Evaluation Methods in Human Services

This course introduces research design and analysis necessary to examine, apply, and utilize science in interdisciplinary human service settings. Course content includes an overview of current issues in knowledge development including the process of research utilization and evidence based practice. The student will conduct analytic critiques of the research literature for scientific merit, synthesize these critiques for application to practice, and develop strategies for providing leadership to make evidence based practice a reality in current and future work settings.

Credit Hours: 3

Prerequisite or Corequisite Courses: SWK 496 with a C or better
Prerequisite Courses: (SWK 321 with a C or better and SWK 496 with a C or better), or EXS 210

with a C or better, or RTH 380 with a C or better, or RSP 300 with a C or better.
Additional Restrictions/Requirements: All prerequisite courses must have a minimum grade of "C" or better.
University Studies: Building Competencies/Writing Intensive, Building Competencies/Information Literacy, Critical Reasoning
Course Repeatability: Course may not be repeated.

RSP 352 - Clinical Practice II

This course provides continued supervised clinical experience via assigned rotations at medical facilities. Emphasis is placed on assessment, therapeutic techniques, invasive procedures, diagnostics and communication strategies within the scope of practice for respiratory care. Upon completion, students should be able to demonstrate clinical competence in bedside patient care in an interprofessional setting. Students will be evaluated through required performance evaluations that demonstrate appropriate levels of clinical knowledge in the respiratory therapy program.

Credit Hours: 2

Prerequisite or Corequisite Courses: RSP 304 with a C or better and RSP 306 with a C or better.
Prerequisite Courses: RSP 351 with a C or better, RSP 304 with a C or better, and RSP 306 with a C or better.
Additional Restrictions/Requirements: Restricted to RSP majors only.
Course Repeatability: Course may not be repeated.
Additional Course Fees: Additional Fee - Liability InsuranceAdditional Course Fee Schedule

Major Restriction RSP

Year II - Term 3

RSP 402 - Advanced Techniques in Mechanical Ventilation

This course reinforces techniques to manage the critically ill patient through an understanding of underlying pathophysiology. Topics include a continuation in the application and management of mechanical ventilation, specialty modes of mechanical ventilation, and techniques related to difficult adult, pediatric and neonatal patients. Techniques related to

adjunct therapies and treatments will include the use of ECMO, medical gases, esophageal balloons, prone positioning and recruitment maneuvers. Upon completion, students should be able to demonstrate competence in advanced respiratory therapy concepts and procedures through written evaluations.

Credit Hours: 3

Prerequisite or Corequisite Courses: RSP 307 with a C or better, RSP 309 with a C or better, RSP 308 with a C or better, and RSP 353 with a C or better.
Prerequisite Courses: RSP 304 with a C or better, RSP 306 with a C or better, RSP 352 with a C or better, RSP 307 with a C or better, RSP 309 with a C or better, RSP 308 with a C or better, and RSP 353 with a C or better.
Additional Restrictions/Requirements: Restricted to RSP majors only.
Course Repeatability: Course may not be repeated.
Major Restriction RSP

RSP 307 - Advanced Critical Care Management

This course introduces advanced methods of information gathering and decision making for the respiratory care professional. Topics include, cardiovascular & hemodynamic monitoring, special procedures, diagnostic & procedural imaging, laboratory values, disease management in the intensive care unit, pharmacology and nutrition. Upon completion, students should be able to evaluate, design, and recommend appropriate care plans through written evaluations.

Credit Hours: 3

Prerequisite or Corequisite Courses: RSP 402 with a C or better, RSP 308 with a C or better, RSP 309 with a C or better, and RSP 353 with a C or better.
Prerequisite Courses: RSP 304 with a C or better, RSP 306 with a C or better, RSP 352 with a C or better, RSP 402 with a C or better, RSP 308 with a C or better, RSP 309 with a C or better, and RSP 353 with a C or better.
Additional Restrictions/Requirements: Restricted to RSP majors only.

Course Repeatability: Course may not be repeated.
Major Restriction RSP

RSP 313 - Critical Care Pharmacology

This course covers medications used in the treatment of conditions or disorders used in a critical care setting. Emphasis is placed on the uses, actions, indications, administration, and hazards of pharmacological agents. Students will familiarize themselves with updated clinical practice guidelines and evidence-based practice recommendations. Upon completion, students should be able to demonstrate competence through written evaluations.

Credit Hours: 2

Prerequisite or Corequisite Courses: RSP 304 with a C or better, RSP 306 with a C or better, RSP 309 with a C or better, RSP 352 with a C or better, RSP 402 with a C or better, RSP 307 with a C or better, RSP 308 with a C or better, RSP 353 with a C or better.
Additional Restrictions/Requirements: RSP majors only

Course Repeatability: Course may not be repeated.
Major Restriction RSP

RSP 308 - Neonatal-Pediatric Respiratory Care

This course provides in-depth coverage of the concepts of neonatal and pediatric respiratory care. Emphasis is placed on neonatal & pediatric pathophysiology and on the special therapeutic needs of these populations. Upon completion, students will be able to demonstrate competence in these concepts through exams, written and laboratory evaluations.

Credit Hours: 1 to 3

Prerequisite or Corequisite Courses: RSP 402 with a C or better, RSP 307 with a C or better, RSP 309 with a C or better, and RSP 353 with a C or better.
Prerequisite Courses: RSP 304 with a C or better, RSP 306 with a C or better, RSP 352 with a C or better, RSP 402 with a C or better, RSP 307 with a C or better, RSP 309 with a C or better, and RSP 353 with a C or better.
Additional Restrictions/Requirements: Restricted to RSP majors only.

Course Repeatability: Course may not be repeated.
Major Restriction RSP

RSP 401 - Evidence-Based Practice in Respiratory Care

This course introduces concepts of evidence-based practice in respiratory care. Learners will be able to recognize the hierarchy of evidence and recognize different types of designs used in medical research. Learners will review medical research to identify evidence for current or new standards. Learners will develop a plan to collect and present data for the respiratory therapy capstone course. Upon completion, students should be able to demonstrate how to utilize clinical expertise, unique patient characteristics and best evidence to recognize evidence-based practice.

Credit Hours: 3

Prerequisite or Corequisite Courses: RSP 402 with a C or better, RSP 307 with a C or better, RSP 309 with a C or better, RSP 308 with a C or better, and RSP 353 with a C or better.
Prerequisite Courses: CHHS 411 with a C or better,

RSP 402 with a C or better, RSP 307 with a C or better, RSP 309 with a C or better, RSP 308 with a C or better, and RSP 353 with a C or better.
Additional Restrictions/Requirements: Restricted to RSP majors only.
Course Repeatability: Course may not be repeated.
Major Restriction RSP

RSP 353 - Clinical Practice III

This course provides a supervised clinical experience on the critical care unit of acute care hospitals and an introduction to critical care medicine and mechanical ventilation. Emphasis is placed on assessment, therapeutic techniques, invasive procedures, diagnostics and communication strategies for patients on mechanical ventilation within the scope of practice for respiratory care. Upon completion, students should be able to demonstrate how to provide ventilatory support for critically ill patients in an interprofessional setting while showing compassion and teamwork.

Credit Hours: 2

Prerequisite or Corequisite Courses: RSP 402 with a

C or better, RSP 307 with a C or better, RSP 309 with a C or better, and RSP 308 with a C or better.
Prerequisite Courses: RSP 304 with a C or better, RSP 306 with a C or better, RSP 352 with a C or better, RSP 402 with a C or better, RSP 307 with a C or better, RSP 309 with a C or better, and RSP 308 with a C or better.
Additional Restrictions/Requirements: Restricted to RSP majors only.
Course Repeatability: Course may not be repeated.
Additional Course Fees: Additional Fee - Liability Insurance Additional Course Fee Schedule

Major Restriction RSP

Year II - Term 4

RSP 412 - Cardiopulmonary Rehabilitation and Long-Term Care

This course focusses on the role of the respiratory care practitioners within interprofessional teams promoting cardiopulmonary wellness. This course provides an in-depth study of cardiopulmonary rehabilitation and alternatives to hospital care. Emphasis is placed on the procedures and technologies applied to

cardiopulmonary rehabilitation, patient education, and alternatives within respiratory care practice. Upon completion, students should be able to design appropriate respiratory care plans for the home and extended care environments.

Credit Hours: 2 or 3

Prerequisite or Corequisite Courses: RSP 403 with a C or better, RSP 470 with a C or better, RSP 320 with a C or better, and RSP 454 with a C or better.
Prerequisite Courses: RSP 402 with a C or better, RSP 307 with a C or better, RSP 309 with a C or better, RSP 308 with a C or better, and RSP 353 with a C or better.
Additional Restrictions/Requirements: Restricted to RSP majors only.
Course Repeatability: Course may not be repeated.
Major Restriction RSP

RSP 403 - Healthcare Management and Leadership

This course will provide an overview of leadership qualities, and the impact leadership can have on the

profession of respiratory care. The student will develop an understanding of the administrative and financial aspects of healthcare management. The student will be introduced to concepts related to strategic planning and healthcare marketing. The student will be introduced to concepts related to managing costs and revenues associated with department management. The student will also learn about human resources, legal, and policy concepts related to outpatient, inpatient, public, and private sectors. Upon completion, the student will demonstrate competence on the internal and external concepts that healthcare leaders and administrators face through written evaluations.

Credit Hours: 3

Prerequisite Courses: RSP 410 with a C or better and RSP 353 with a C or better.
Additional Restrictions/Requirements: Restricted to RSP majors only.
Course Repeatability: Course may not be repeated.
Major Restriction RSP

RSP 470 - Capstone Project

This is the capstone course for the Respiratory Therapy Program and each student will develop and present a final project, which includes a research paper, poster, and community presentation. Students will identify and complete the projects by applying knowledge and skills learned in the program. Students will demonstrate how to utilize clinical expertise, unique patient characteristics and best evidence to recognize evidence-based practice.

Credit Hours: 3

Prerequisite or Corequisite Courses: RSP 412 with a C or better, RSP 403 with a C or better, RSP 320 with a C or better, and RSP 454 with a C or better.
Prerequisite Courses: RSP 402 with a C or better, RSP 307 with a C or better, RSP 309 with a C or better, RSP 308 with a C or better, RSP 353 with a C or better, RSP 412 with a C or better, RSP 403 with a C or better, RSP 320 with a C or better, and RSP 454 with a C or better.
Additional Restrictions/Requirements: Restricted to RSP majors only.
University Studies: Building Competencies/Writing

Intensive
Course Repeatability: Course may not be repeated.
Major Restriction RSP

RSP 320 - Exam and Career Preparation

This course provides preparation and reflection on the scope of practice for respiratory therapy students entering the profession. Emphasis will be placed on competencies listed in the content matrix for both the Therapist Multiple Choice examination (TMC) and Clinical Simulation Examination (CSE). Upon completion, students will develop a portfolio of goals to include professional and academic credentials along with a short- and long-term career plan.

Credit Hours: 3

Prerequisite or Corequisite Courses: RSP 412 with a C or better, RSP 403 with a C or better, RSP 470 with a C or better, and RSP 454 with a C or better.
Prerequisite Courses: RSP 402 with a C or better, RSP 307 with a C or better, RSP 309 with a C or better, RSP 308 with a C or better, RSP 353 with a C or better, RSP 412 with a C or better, RSP 403 with a C or better,

RSP 470 with a C or better, and RSP 454 with a C or better.
Additional Restrictions/Requirements: Restricted to RSP majors only.
Course Repeatability: Course may not be repeated.
Major Restriction RSP

RSP 454 - Clinical Practice IV

This course provides a supervised clinical experience on the critical care unit of acute care hospitals for adult, pediatric and neonatal patients. Emphasis is placed on assessment, therapeutic techniques, invasive procedures, diagnostics, and communication strategies for patients on mechanical ventilation within the scope of practice for respiratory care. Students will explore the use of adjunct devices and therapies in critical care with a focus on hemodynamic monitoring and instruments. Student rotations may extend to primary care facilities and pulmonary rehabilitation clinics. Upon completion, students should be able to demonstrate how to provide ventilatory support for critically ill patients in an interprofessional setting while showing compassion and teamwork.

Credit Hours: 3

Prerequisite or Corequisite Courses: RSP 412 with a C or better, RSP 403 with a C or better, RSP 470 with a C or better, and RSP 320 with a C or better.
Prerequisite Courses: RSP 402 with a C or better, RSP 307 with a C or better, RSP 308 with a C or better, RSP 309 with a C or better, RSP 353 with a C or better, RSP 412 with a C or better, RSP 403 with a C or better, RSP 470 with a C or better, and RSP 320 with a C or better.
Additional Restrictions/Requirements: Restricted to RSP majors only.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.
Additional Course Fees: Additional Fee - Liability Insurance Additional Course Fee Schedule

Major Restriction RSP

Total Credit Hours: 60

Student progression in the program is contingent upon the following:

1. Students must maintain at least a 2.50 overall GPA and a minimum grade of "C" (2.00) in all core courses.

2. Students found to have been in violation of the university's Academic Honor Code will be subject to disciplinary action as set forth in the current Code of Student Life.

3. Students found to be in violation of the Respiratory Therapy Program Policies outlined in the Student Handbook will be subject to disciplinary action up to and including dismissal from the program.

4. Students found to be in violation of the American Association for Respiratory Care's Statement of Ethics and Professional Conduct will be subject to disciplinary action up to and including dismissal from the program.

Because many of the required courses are sequential and have prerequisites, it is vital for students to complete them successfully in the proper sequence. In addition to University Studies requirements and Respiratory Therapy requirements, students must take elective courses to satisfy the university requirement of a minimum of 120 hours.

Respiratory Therapy, B.S. Degree Advancement

Student Learning Outcomes

- Appraise information that contributes to evidence-based medicine.
- Value the role of inclusive leadership in addressing disparities in healthcare delivery.
- Collaborate within an interdisciplinary team to provide care for diverse patient populations within a healthcare setting.

Program Admission

All students wishing to major in Respiratory Therapy must meet the minimum criteria for admission and follow the Respiratory Therapy application procedure which includes timely submission of the Respiratory Therapy application packet.

Minimum criteria for acceptance into the program includes:

- Meet UNCW's transfer eligibility requirements
- Produce official transcripts from all post-secondary work

- Earned an associate degree from a CoARC-accredited respiratory therapy program
- Proof of current NBRC RRT credential and be in good standing
- Proof of current and valid respiratory care practitioner state license
- Proof of current BLS/CPR for health care providers certification

Requirements for the B.S. Degree with a Major in Respiratory Therapy

Complete Core Courses:

RSP 324 - Disease Management for Respiratory Therapists

This course provides practicing clinicians a foundation that augments their skills to enable them to competently perform the duties of a pulmonary disease manager. The emerging role of disease managers, among the respiratory therapy profession, is to enhance the quality of life of the patient with chronic disease. Emphasis is place on essential knowledge of pulmonary diseases, case management, care transition coordination, and elements of behavior for health

promotion. Upon completion, students should be able to demonstrate competence though written evaluations.

Additional Restrictions/Requirements: Restricted to RSP majors only.
University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors, Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.
Major Restriction RSP

RSP 422 - Advanced Critical Care Respiratory Therapy

This course provides further refinement of acute patient care and underlying pathophysiology. Topics include a continuation in the application and management of mechanical ventilation, specialty modes of mechanical ventilation, and techniques related to complex diseases. Techniques related to adjunct therapies and treatments will include the use of ECMO, nitric oxide, prone positioning and recruitment maneuvers. Upon completion, students should be able to demonstrate competence in respiratory therapy concepts and procedures through written evaluations.

Credit Hours: 3

Prerequisite or Corequisite Courses: RSP 324 with a C or better.
Additional Restrictions/Requirements: Restricted to RSP majors only.
Course Repeatability: Course may not be repeated.
Major Restriction RSP

RSP 425 - Advanced Cardiovascular Pathophysiology

This course identifies the structure and function of the cardiac pump and cardiovascular system's role in hemodynamics. Emphasis is placed on clinical signs and symptoms of pulmonary disease and respective treatments, protocols and evidence-based practice used in a local context by learners. Upon completion, students should be able to demonstrate competency in these concepts through written evaluation.

Credit Hours: 3

Prerequisite Courses: RSP 324 with a C or better.

Additional Restrictions/Requirements: Restricted to RSP majors only.
Course Repeatability: Course may not be repeated.
Major Restriction RSP

RSP 420 - Health Law and Ethics

This course provides and introduction to health law and ethical dilemmas through a series of case studies. Topics will include strategies on how to recognize the legal and ethical issues that health care professionals face. Topics are based upon real-world scenarios from a variety of health care practitioners. Upon completion, students should be able to demonstrate competence in concepts on health law and ethics through written evaluations.

Credit Hours: 3

Prerequisite or Corequisite Courses: RSP 324 with a C or better.
Additional Restrictions/Requirements: Restricted to RSP majors only.
Course Repeatability: Course may not be repeated.
Major Restriction RSP

RSP 426 - Advanced Pulmonary Pathophysiology

This course identifies the and physiology of the pulmonary system and microcirculation of the lungs. We will review the pulmonary system and pathophysiology associated with lung disease. Emphasis is placed on clinical signs and symptoms of pulmonary disease and respective treatments, protocols and evidence-based practice used in a local context by learners. Upon completion, students should be able to demonstrate competence in respiratory therapy concepts and procedures through written evaluations.

Credit Hours: 3

Prerequisite Courses: RSP 324 with a C or better.
Additional Restrictions/Requirements: Restricted to RSP majors only.
Course Repeatability: Course may not be repeated.
Major Restriction RSP

RSP 424 - Advanced Cardiopulmonary Pharmacology

This course covers the drugs used in the treatment of cardiopulmonary diseases. Emphasis is placed on the efficacious practice of cardiopulmonary medications, that include, indications, administration, and hazards of pharmacological agents. Upon completion, students should be able to demonstrate competence though written evaluations.

Credit Hours: 3

Prerequisite Courses: RSP 324 with a C or better.
Additional Restrictions/Requirements: Restricted to RSP majors only.
Course Repeatability: Course may not be repeated.
Major Restriction RSP

RSP 427 - Advanced Renal and Endocrine Pathophysiology

This course identifies the and physiology of the renal and endocrine systems. We will review the pathophysiology associated with these systems and their impact on the cardiopulmonary system. Emphasis is placed on clinical signs and symptoms of renal and endocrine diseases and respective treatments,

protocols and evidence-based practice used in a local context by learners. Upon completion, students should be able to demonstrate competence in respiratory therapy concepts and procedures through written evaluations.

Credit Hours: 3

Prerequisite Courses: RSP 324 with a C or better.
Additional Restrictions/Requirements: Restricted to RSP majors only.
Course Repeatability: Course may not be repeated.
Major Restriction RSP

EXS 310 - Research Methods in Exercise Science

Methods of research in the field of exercise science. Identification of research problems, sampling methods, data analysis and interpretation, and planning of evaluation studies.

Credit Hours: 3

Prerequisite Courses: EXS 210 with a "C" or better or

RSP 324
University Studies: Building Competencies/Writing Intensive, Building Competencies/Information Literacy, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

RSP 423 - Healthcare Policy and Administration

This course introduces healthcare concepts, using a case study approach, of Healthcare Policy and Administration in the healthcare industry. Topics include the role of healthcare management in a delivery system, contrasting management & leadership, organizational behaviors, strategic planning, quality improvement, information technology and finance. Upon completion, the student will demonstrate competence on the internal and external factors that healthcare managers and administrators face through written evaluations.

Credit Hours: 3

Prerequisite or Corequisite Courses: RSP 324 with a C or better.
Additional Restrictions/Requirements: Restricted to

RSP majors only.
Course Repeatability: Course may not be repeated.
Major Restriction RSP

RSP 428 - Neonatal-Pediatric Critical Care Pathophysiology

This course provides in-depth coverage of the concepts of neonatal and pediatric respiratory care. Emphasis is placed on neonatal and pediatric pathophysiology and on the special therapeutic needs of neonates and children in the intensive care unit. Upon completion, students will be able to demonstrate competence in these concepts through exams, written and laboratory evaluations.

Credit Hours: 3

Prerequisite Courses: RSP 324 with a C or better.
Additional Restrictions/Requirements: Restricted to RSP majors only.
Course Repeatability: Course may not be repeated.
Major Restriction RSP

RSP 432 - Subacute Care and Telemedicine in Respiratory Therapy

This course focusses on the role of the respiratory care practitioners within interprofessional teams promoting cardiopulmonary wellness. This course provides an in-depth study of cardiopulmonary rehabilitation and alternatives to hospital care. Emphasis is placed on the procedures and technologies applied to cardiopulmonary rehabilitation, patient education, and alternatives within respiratory care practice. Upon completion, students should be able to design appropriate respiratory care plans for the home and extended care environments.

Credit Hours: 3

Prerequisite Courses: RSP 324 with a C or better.
Additional Restrictions/Requirements: Restricted to RSP majors only.
University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.
Major Restriction RSP

RSP 421 - Information Literacy in Respiratory Care

This course introduces concepts of evidence-based practice in respiratory care. Learners will be able to recognize the hierarchy of evidence and recognize different types of designs used in medical research. Learners will review medical research to identify evidence for current or new standards. Learners will develop a plan to collect and present data for the respiratory therapy capstone course. Upon completion, students should be able to demonstrate how to utilize clinical expertise, unique patient characteristics and best evidence to recognize evidence-based practice.

Credit Hours: 3

Prerequisite or Corequisite Courses: RSP 324 with a C or better, RSP 422 with a C or better, RSP 420 with a C or better, RSP 425 with a C or better, RSP 423 with a C or better, RSP 426 with a C or better, RSP 427 with a C or better, EXS 310 with a C or better, RSP 428 with a C or better, RSP 424 with a C or better.
Additional Restrictions/Requirements: Restricted to RSP majors only.
University Studies: Building Competencies/Information Literacy, Building

Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.
Major Restriction RSP

Total Credit Hours: 36

Complete courses:

- Transfer up to 64 credits from associate degree
- Credit by examination for Registered Respiratory Therapist (RRT) credential at 34 elective credits
- Satisfy University Studies/Electives requirements

Student progression in the program is contingent upon the following:

1. Students must maintain at least a 2.00 overall GPA.

2. Students found to have been in violation of the university's Academic Honor Code will be subject to disciplinary action as set forth in the current Code of Student Life.

3. Students found to be in violation of the Respiratory Therapy Program Policies outlined in the Student Handbook will be subject to disciplinary action up to and including dismissal from the program.

4. Students found to be in violation of the American Association for Respiratory Care's Statement of Ethics and Professional Conduct will be subject to disciplinary action up to and including dismissal from the program.

Because many of the required courses are sequential and have prerequisites, it is vital for students to complete them successfully in the proper sequence. In addition to university studies requirements and Respiratory Therapy requirements, students must take elective courses to satisfy the university requirement of a minimum of 120 hours.

Social Work, B.S.W.

Program Coordinator: Kathryn Thiel | Interim Program Coordinator & Lecturer

(Bachelor of Social Work | UNCW)

The Bachelor of Social Work (BSW) degree:

- provides an undergraduate educational program well-grounded in the profession of social work as represented by the Council on Social Work Education;

- responds to the need for professionally-trained social workers in human and social services in the state and region, and;
- creates an academically sound professional educational process consistent with the larger purposes and mission of UNCW.

BSW degree graduates are employed by departments of social services, school systems, medical facilities, nursing homes, and many other human services agencies. They work with children, families, and community groups to enhance personal and interpersonal functioning.

The UNCW BSW Program follows a 'generalist' model of social work education, with an emphasis on the 'strengths-perspective' of social work practice. This means that UNCW BSW students obtain a well-rounded social work education in all areas of BSW-level practice, with a specialized knowledge of strengths-perspective, which honors client resiliency.

Computer Requirement:

To satisfy the computer requirement for the B.S.W. degree a student must successfully complete SWK 496 or SWK 497.

Oral Communication Requirement:

To satisfy the oral communication requirement for the B.S.W. degree a student must successfully complete SWK 321.

Applied Learning Requirement:

To satisfy the applied learning requirement for the B.S.W. degree in social work a student must successfully complete each of the following: SWK 235, SWK 320, SWK 321, SWK 396, SWK 496 and SWK 497.

Requirements for a Major in Social Work for the B.S.W. Degree:

SWK 235 - Introduction to Social Work and the Social Welfare System

Social welfare institution and the social work profession in the United States; the values, methods and roles of social workers and the history of the system.

Credit Hours: 3

Additional Restrictions/Requirements: Students

must earn a "C" or better in each SWK course in order to progress in the program.
University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.

SWK 240 - Basic Working Relationship Skills

Multi-cultural working relationship skills for generalist practice, building client-directed partnerships, interviewing, and transitioning from services using a strengths-based and solution-focused perspective. Process recordings, case assessments, social work ethics, values and diversity are covered. The lab for this course is SWKL 240.

Credit Hours: 3

Corequisite Courses: SWKL 240 and SWK 320 and SWK 355.
Prerequisite Courses: Prerequisite or corequisite: SWK 235.
Additional Restrictions/Requirements: Restricted to BSW majors main campus and/or extension site.

Students must earn a "C" or better in each SWK course in order to progress in the program.
Course Repeatability: Course may not be repeated.

SWKL 240 - Working Relationship Lab

Students will practice the basic working relationship interviewing skills, and engage in a service-learning project. This course is the lab for SWK 240.

Credit Hours: 1

Corequisite Courses: SWK 240 and SWK 320 and SWK 355, each with a grade of 'C' or better.
Prerequisite or Corequisite Courses: SWK 235 with a grade of 'C' or better.
Additional Restrictions/Requirements: Restricted to BSW majors main campus and/or extension site.
Students must earn a "C" or better in each SWK course in order to progress in the program.
Course Repeatability: Course may not be repeated.

SWK 320 - Human Behavior and the Social Environment I

Perspectives on human development and behavior in diverse contexts, including: culture, oppression, poverty, gender, ethnicity, physical and social settings. Implications for social work practice and policies. Prenatal Through Adolescence.

Credit Hours: 3

Corequisite Courses: SWK 240 and SWK 355, and SWKL 240, each with a grade of 'C' or better.
Prerequisite or Corequisite Courses: SWK 235 with a grade of 'C' or better.
Additional Restrictions/Requirements: Restricted to BSW majors main campus and/or extension site. Students must earn a "C" or better in each SWK course in order to progress in the program.
University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

SWK 321 - Human Behavior and the Social Environment II

Perspectives on human development and behavior in diverse contexts, including: culture, oppression,

poverty, gender, ethnicity, physical and social settings. Implications for social work practice and policies. Young Adulthood Through Death.

Credit Hours: 3

Corequisite Courses: SWK 396 and SWK 443, each with a grade of 'C' or better.
Prerequisite Courses: SWK 320 with a grade of 'C' or better.
Additional Restrictions/Requirements: Restricted to BSW majors main campus and/or extension site. Students must earn a "C" or better in each SWK course in order to progress in the program.
University Studies: Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

SWK 335 - Social Welfare Policies

Social, cultural, economic, and political influences on the social welfare system. Policymaking, program development and planning.

Credit Hours: 3

Corequisite Courses: SWK 396.
Prerequisite Courses: SWK 235 and PLS 101.
Additional Restrictions/Requirements: Restricted to BSW majors main campus and/or extension site. Students must earn a "C" or better in each SWK course in order to progress in the program.
University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors, Building Competencies/Information Literacy, Writing Intensive
Course Repeatability: Course may not be repeated.

SWK 341 - Generalist Social Work Practice with Individuals and Families

Client-directed strengths-based and solution-focused generalist practice with individuals and families. Assessments, progress notes, case management, working with mandated clients, crisis and trauma work covered.

Credit Hours: 3

Corequisite Courses: SWK 407 and SWK 497.

Prerequisite Courses: SWK 240 and SWKL 240 and SWK 442 and SWK 443.
Additional Restrictions/Requirements: Restricted to BSW majors main campus and/or extension site. Students must earn a "C" or better in each SWK course in order to progress in the program.
Course Repeatability: Course may not be repeated.

SWK 355 - Issues in Diversity for Generalist Practice

Values, biases, and prejudices which produce personal and social vulnerability. Consequences in the lives of people of color, women, the poor, gays and lesbians, and others.

Credit Hours: 3

Corequisite Courses: SWK 240 and SWKL 240 and SWK 320, each with a grade of 'C' or better.
Prerequisite or Corequisite Courses: SWK 235 with a grade of 'C' or better.
Additional Restrictions/Requirements: Restricted to BSW majors main campus and/or extension site. Students must earn a "C" or better in each SWK course

in order to progress in the program.
University Studies: Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.

SWK 396 - Pre-Field Seminar

Explore professional expectations of field education, including ethical standards of the NASW Code of Ethics. Preparation of a resume, identification of the student's learning style, and exploration of diverse agencies and fields of practice.

Credit Hours: 1

Corequisite Courses: SWK 321 and SWK 355 and SWK 443.
Prerequisite Courses: SWK 235 and SWK 240 and SWK 320.
Additional Restrictions/Requirements: Restricted to BSW majors main campus and/or extension site. Students must earn a "C" or better in each SWK course in order to progress in the program.
Course Repeatability: Course may not be repeated.

SWK 406 - Research Methods for Social Work Practice I

Research methodologies in social work practice; client-centered research questions, theoretical frameworks, research design sampling, data collection, analysis and report writing.

Credit Hours: 3

Corequisite Courses: SWK 496.
Prerequisite Courses: SWK 321.
Additional Restrictions/Requirements: Restricted to BSW majors main campus and/or extension site. Students must earn a "C" or better in each SWK course in order to progress in the program.
University Studies: Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

Or

CHHS 411 - Research & Evaluation Methods in Human Services

This course introduces research design and analysis necessary to examine, apply, and utilize science in interdisciplinary human service settings. Course content includes an overview of current issues in knowledge development including the process of research utilization and evidence based practice. The student will conduct analytic critiques of the research literature for scientific merit, synthesize these critiques for application to practice, and develop strategies for providing leadership to make evidence based practice a reality in current and future work settings.

Credit Hours: 3

Prerequisite or Corequisite Courses: SWK 496 with a C or better
Prerequisite Courses: (SWK 321 with a C or better and SWK 496 with a C or better), or EXS 210 with a C or better, or RTH 380 with a C or better, or RSP 300 with a C or better.
Additional Restrictions/Requirements: All prerequisite courses must have a minimum grade of "C" or better.
University Studies: Building Competencies/Writing

Intensive, Building Competencies/Information Literacy, Critical Reasoning
Course Repeatability: Course may not be repeated.

SWK 407 - Statistics and Research Methods for Social Work Practice

Program/Practice Evaluation: group and single-subject designs, applications, data analysis, and ethical considerations.

Credit Hours: 3

Corequisite Courses: SWK 497.
Prerequisite Courses: SWK 406 or CHHS 411.
Additional Restrictions/Requirements: Restricted to BSW majors main campus and/or extension site. Students must earn a "C" or better in each SWK course in order to progress in the program.

SWK 442 - Generalist Social Work Practice with Groups

Basic group typology and dynamics applied to task and treatment groups in generalist social work practice. Client-directed strengths-based skills for a range of

treatment and task groups.

Credit Hours: 3

Corequisite Courses: SWK 496.
Prerequisite Courses: SWK 443.
Additional Restrictions/Requirements: Restricted to BSW majors, main campus and/or extension site. Students must earn a "C" or better in each SWK course in order to progress in the program.
Course Repeatability: Course may not be repeated.

SWK 443 - Social Work Practice with Communities and Organizations

Knowledge, values, and skills common to social work practice at the community and organizational levels. Principles of social planning, community development, and social action. Topics include needs assessment, program planning and development, organizational change and program evaluation.

Credit Hours: 3

Corequisite Courses: SWK 321 and SWK 396.

Prerequisite Courses: SWK 240 and SWK 320.
Additional Restrictions/Requirements: Restricted to BSW majors, main campus and/or extension site. Students must earn a "C" or better in each SWK course in order to progress in the program.
Course Repeatability: Course may not be repeated.

SWK 496 - Field Practicum I

Development and application of skills used in social work practice. Supervision of student field experience in a community social service setting. Analysis and discussion of field experiences in a series of field seminars to be arranged by the field liaison.

Credit Hours: 6

Corequisite Courses: SWK 406 or CHHS 411 and SWK 442.
Prerequisite Courses: SWK 396 and SWK 321 and SWK 443 and SWK 355.
Additional Restrictions/Requirements: Restricted to BSW majors main campus and/or extension site. Consent of instructor, and 2.5 overall GPA.Students must earn a "C" or better in each SWK course in order

to progress in the program.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.

SWK 497 - Field Practicum II

Development and application of skills used in social work practice. Supervision of student field experience in a community social service setting. Analysis and discussion of field experiences in a series of field seminars to be arranged by the field liaison.

Credit Hours: 6

Corequisite Courses: SWK 407 and SWK 321.
Prerequisite Courses: SWK 496 and SWK 396 and SWK 321 and SWK 443 and SWK 355.
Additional Restrictions/Requirements: Restricted to BSW majors main campus and/or extension site. Consent of instructor and 2.5 overall GPA. Students must earn a "C" or better in each SWK course in order to progress in the program.
University Studies: Explorations Beyond the

Classroom
Course Repeatability: Course may not be repeated.

And one of the following SWK electives:

SWK 310 - Social Work with Older Adults

Examines the status of the elderly and specific problems they confront in modern society. Focuses on social agencies and other service resources. Analyzes policies. Major emphases on practice, service settings and special populations.

Credit Hours: 3

Prerequisite Courses: SWK 235 or GRN 101.
Additional Restrictions/Requirements: Students must earn a "C" or better in each SWK course in order to progress in the program.
Course Repeatability: Course may not be repeated.

SWK 311 - Child Abuse and Neglect

Study of the knowledge base, laws, and professional roles associated with contemporary child welfare practice. Identification of child maltreatment, reporting procedures and community-based interdisciplinary

practice issues are emphasized. Upon acceptance to the NC Child Welfare Education Collaborative, students must complete both SWK 311 and SWK 312 before admission to a DSS field placement.

Credit Hours: 3

Additional Restrictions/Requirements: Students must earn a "C" or better in each SWK course in order to progress in the program.
Course Repeatability: Course may not be repeated.

SWK 318 - Social Work and Health Care Delivery

An examination of the rationale, issues, problems and practices related to the implementation of client-centered health care. New programs and proposals for the delivery of health services will be reviewed systematically with reference to the implications for social work practice.

Credit Hours: 3

Prerequisite Courses: SWK 235.

Additional Restrictions/Requirements: Students must earn a "C" or better in each SWK course in order to progress in the program.
Course Repeatability: Course may not be repeated.

SWK 366 - Introduction to Substance Use Disorders and Addictions

Introduction to the dilemma of substance use disorders and addictions, an overview of habit-forming substances, as well as strengthening student awareness of signs and symptoms present when initiating work with individuals dealing with substance abuse and addictions.

Credit Hours: 3

Additional Restrictions/Requirements: Restricted to BSW majors main campus and/or extension site. Students must earn a "C" or better in each SWK course in order to progress in the program.
Crosslisting: SWK 566
Course Repeatability: Course may not be repeated.

SWK 418 - Social Work Practice in the School Environment

Examines legislation shaping contemporary public education and school social work services in North Carolina. Emphasis on strengths-based, solution-focused social work intervention across the spectrum of social, emotional, and behavioral needs of students to enhance school performance. This course and a field placement in a school setting are required for NC School Social Work Certification.

Credit Hours: 3

Corequisite Courses: SWK 496.
Additional Restrictions/Requirements: Corequisite course, or consent of instructor. Students must earn a "C" or better in each SWK course in order to progress in the program.
Course Repeatability: Course may not be repeated.

SWK 425 - Mindfulness: Implications for Personal Wellbeing and Professional Practice

Elective course open to all majors and designed to acquaint students with the concept of mindfulness, its connection to personal wellbeing,and its relevance to future professional practice.

Credit Hours: 3

Additional Restrictions/Requirements: Students must earn a "C" or better in each SWK course in order to progress in the program.
Crosslisting: SWK 525
Course Repeatability: Course may not be repeated.

SWK 450 - The Culture of Military Life and Entering the War Zone

Understanding the fundamental culture of military life and training and the experience of troops entering the war zone: norms, language, rank, military justice, and family life. Using the concept of 'battle mind' the course will cover the requirements of troop preparation for combat and their entering the war zone. Preparation for social work students to be able to work with veterans, active military and their families.

Credit Hours: 3

Prerequisite Courses: SWK 235.
Additional Restrictions/Requirements: Prerequisite

course or consent of instructor. Students must earn a "C" or better in each SWK course in order to progress in the program.
Crosslisting: SWK 550
Course Repeatability: Course may not be repeated.

SWK 451 - Returning from the War Zone: Consequences, PTSD, Traumatic Injury, Interventions and Preventative Me

Students will learn the potential consequences for troops returning home to state side military life and family life: Confronting stress, trauma, depression, anxiety, addiction, anger, panic reactions, PTSD resulting from war zone service. Methods of prevention and intervention will be covered.

Credit Hours: 3

Prerequisite Courses: SWK 450.
Additional Restrictions/Requirements: Students must earn a "C" or better in each SWK course in order to progress in the program.
Crosslisting: SWK 551
Course Repeatability: Course may not be repeated.

SWK 460 - Grant Writing for Human Services

Study and development of grant writing skills for human service workers. Course discusses development of needs assessment, goal setting, program design, evaluation, budgeting and securing funding sources.

Credit Hours: 3

Additional Restrictions/Requirements: Students must earn a "C" or better in each SWK course in order to progress in the program.
Course Repeatability: Course may not be repeated.

SWK 495 - Topical Seminar

Discussion of selected topics in social work. May be repeated under a different subtitle.

Credit Hours: 1 To 3

Prerequisite Courses: SOC 105 and SWK 235.
Additional Restrictions/Requirements: Prerequisite courses and consent of instructor. Students must earn a "C" or better in each SWK course in order to progress

in the program.
Course Repeatability: Course may be repeated.

Additional courses required:

PLS 101 - American National Government

Survey of basic principles, institutions and functions such as federalism, separation of powers, civil liberties and rights, judicial review, public opinion, political parties, elections and interest groups.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.

PSY 105 - General Psychology

Principles of psychology with emphasis on scientific methods used in studying human behavior.

Credit Hours: 3

University Studies: Approaches and

Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 105 - Introduction to Sociology

Introduction to the scientific study of human society and social behavior.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

BIO 105 - Concepts of Modern Biology

Introduction to the diversity of life and the principles governing living systems, focusing on the role of humans in the natural world. Designed for the non-biology major. Employs multi-media instructional materials. The lab for this course is BIOL 105.

Credit Hours: 3

Prerequisite or Corequisite Courses: BIOL 105
University Studies: Building Competencies/Information Literacy, Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

Or

BIO 160 - Genetics in Human Affairs

Discussion of basic principles of genetics (for non-majors or majors) with the ultimate goal of developing an understanding of the relationship of genetics to the society of today and its possible influence on the future of humans. Survey of current knowledge of the inheritance of human traits is included.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in a Global Society, Approaches and Perspectives/Scientific Approaches to the Natural

World
Course Repeatability: Course may not be repeated.

Total: 63 hours

Additional Information:

Students enrolled in the North Carolina Child Welfare Education Collaborative must complete SWK 311 and SWK 312 prior to entering a field placement in the Department of Social Service. Students wishing to obtain North Carolina School Social Worker certification must complete SWK 418 prior to the second semester field placement.

Students are required to earn a grade of "C" or better in all required social work courses designated by SWK. Students must maintain an overall grade point average of 2.50 to be admitted into the field placement (SWK 496 and SWK 497) required in their senior year for the B.S.W. degree.

Sociology, B.A.

Computer Requirement:

To satisfy the computer requirement for the B.A. degree in Sociology a student must successfully complete SOC 301 (CRM 301).

Oral Communication Requirement:

To satisfy the oral communication requirement for the B.A. degree in Sociology a student must successfully complete SOC 495, SOC 496 or SOC 499.

Applied Learning Requirement:

To satisfy the applied learning requirement for the B.A. degree in Sociology a student must successfully complete one of the following: SOC 256 (CRM 256), SOC 300 (CRM 300), SOC 301 (CRM 301), SOC 360, SOC 391, SOC 495, or SOC 496.

Requirements for a Major in Sociology for the B.A. Degree:

Core requirements:

SOC 105 - Introduction to Sociology

Introduction to the scientific study of human society and social behavior.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 300 - Methods of Social Research

Introduction to logic and methods of sociological research. Topics include connections between theory and research, problem formulation and research design, conceptualization and measurement, sampling modes of observation and analysis, ethical issues, and the political context of research.

Credit Hours: 3

Prerequisite or Corequisite Courses: STT 215 or MAT 101 or higher (excluding MAT 141 or MAT 142).
Prerequisite Courses: SOC 105 or CRM 105
Additional Restrictions/Requirements: Prerequisite courses or higher (excluding MAT 141 and MAT 142), or a score of 4 or higher on the UNCW math placement

test.
University Studies: Building Competencies/Information Literacy
Crosslisting: CRM 300
Course Repeatability: Course may not be repeated.
Major Restriction Sociology or Criminology**Minor Restriction** Sociology or Criminology

SOC 301 - Sociological Data Analysis and Interpretation

Instruction in computer-assisted univariate and bivariate analysis and interpretation of social science data.

Credit Hours: 3

Prerequisite Courses: CRM 105 or SOC 105, and CRM 300 or SOC 300, STT 215 or MAT 101 or higher (excluding MAT 141, MAT 142)
University Studies: Common Requirements/Critical Reasoning
Crosslisting: CRM 301
Course Repeatability: Course may not be repeated.

SOC 360 - Social Theory

An introduction to major theoretical perspectives in sociology including functional theory; conflict theory; exchange theory; interactionist theory; and structural theory.

Credit Hours: 3

Prerequisite Courses: SOC 105
Additional Restrictions/Requirements: Prerequisite course and six additional hours in sociology.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

- In addition, all sociology majors must take a senior capstone course. (See options below).
  An overall average of "C" (2.00) or better must be maintained in all sociology courses used to satisfy the major. Students must receive a "C" or higher in all of their core sociology courses. Students may only receive one "D" in their sociology electives.

Option 1. General Sociology:

This option enables students to further their understanding and appreciation of sociology. It allows students to take courses in a broad range of sociology

topics. This option is recommended for students who plan to attend graduate or professional school. In addition to the required core courses, students must complete:

SOC 495 - Sociology Senior Seminar

A topical seminar in which students apply the sociological theory and methods they have learned as a major to a collaborative research project and paper. Required oral presentations fulfill the oral competency requirement. The seminar is the capstone course for sociology majors.

Credit Hours: 3

Prerequisite Courses: SOC 301 and SOC 360
Additional Restrictions/Requirements: Senior standing.
University Studies: Building Competencies/Writing Intensive, Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 499 - Honors Work in Sociology

Independent work for honors students in which students apply sociological theory and methods to a major research project and paper that is then presented orally before an examining committee. Honors work is typically completed in two 3 credit hour semesters. **This course serves as an alternative to the SOC 490 capstone requirement for sociology general track majors. Satisfies College of Arts and Sciences oral communication requirement.**

Credit Hours: 2 To 3

Prerequisite Courses: SOC 301 and SOC 360
Additional Restrictions/Requirements: Junior or senior standing, prerequisite courses, and eligibility for honors program.
University Studies: Writing Intensive, Information Literacy, Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6

- 24 additional hours of sociology course electives;
- A maximum of 9 hours below the 300 level (including SOC 105) may be used to satisfy the above requirements.

Total: 39 hours

Option 2. Public Sociology:

This option provides intensive training in using sociology to inform real life social issues and opportunities to conduct quality, meaningful research that has an impact on the community. In addition to the required core courses, students must complete:

SOC 391 - Public and Applied Sociology and Criminology Seminar

Application of sociological tools to real-life issues in a variety of social settings. Methods may include surveys, interviews, focus groups, secondary data analysis, and evaluation applications. Development of proposals for research projects conducted in a second, sequenced course in the following semester.

Credit Hours: 3

Prerequisite or Corequisite Courses: SOC 301 or

CRM 301.
Prerequisite Courses: SOC 300 or CRM 300, and SOC 360.
University Studies: Building Competencies/Information Literacy, Explorations Beyond the Classroom
Crosslisting: CRM 391
Course Repeatability: Course may not be repeated.

SOC 496 - Practicum in Public and Applied Sociology and Criminology

Completion of student research proposed and approved in CRM/SOC 391, as well as completion of a practicum or internship. The second course in a two-semester capstone sequence.

Credit Hours: 6

Prerequisite Courses: SOC 300 or CRM 300, and SOC 301 or CRM 301, and SOC 360, and SOC 391 or CRM 391.
Additional Restrictions/Requirements: Junior or senior class standing.
University Studies: Building Competencies/Writing

Intensive, Explorations Beyond the Classroom, Common Requirements/Critical Reasoning
Crosslisting: CRM 496
Course Repeatability: Course may not be repeated.

- And an additional 18 hours of sociology electives.
- A maximum of 9 hours below the 300 level (including SOC 105) may be used to satisfy the above requirements.

Total: 39 hours

Software Engineering, B.S.

The Bachelor of Science in Software Engineering program prepares students to engineer complex software systems to professional quality standards through the application of appropriate theories and principles. Students learn problem identification, software analysis, software design, implementation, verification, operation, and team coordination using professional tools and practices. Graduates of the program are prepared for careers in the software development industry.

Program Coordinator: Lucas Layman, PhD

Oral Communication Requirement

To satisfy the oral communication requirement for the B.S. degree in Software Engineering, a student must successfully complete SENG 458.

Applied Learning Requirement

To satisfy the applied learning requirement for the B.S. degree in Software Engineering, a student must successfully complete SENG 458.

Requirements for the B.S. in Software Engineering

A grade point average of "C" (2.00) or better computed over all the courses used to fulfill the requirements of the major is required; in addition, a grade point average of "C" (2.00) or better computed over all the CSC and SENG courses used to fulfill the requirements of the major is required.

Core Requirements (49 hours)

CSC 131 - Introduction to Computer Science

Problem solving methods and algorithms in a modern high-level programming language. Introduces one or more programming environments. Emphasis on a programming style and the design, coding, and testing

of complete programs. Recommended primarily for computer science majors.

Credit Hours: 4

Prerequisite Courses: MAT 112 or MAT 150 or MAT 160.
University Studies: Common Requirements/Critical Reasoning, Foundations/Mathematics and Statistics
Course Repeatability: Course may not be repeated. You must achieve a 'C' (2.00) or better if you intend to use this course as a prerequisite for another course.

CSC 133 - Discrete Mathematical Structures

Introduction to discrete mathematics applicable to computer science. Propositional and predicate logic, basic proof techniques, set algebra and Boolean algebra, recursion and induction, and introductory graphs and combinatorics.

Credit Hours: 3

Prerequisite Courses: MAT 112 or MAT 150 or MAT 160.

University Studies: Foundations/Mathematics and Statistics
Course Repeatability: Course may not be repeated.

CSC 231 - Introduction to Data Structures

Study of basic data structures and their applications. Lists and trees; searching and sorting algorithms; hashing; analysis and design of efficient algorithms. Recommended for CSC majors only. A grade of 'C' (2.00) or better is required for taking courses for which CSC 231 is a prerequisite.

Credit Hours: 4

Corequisite Courses: CSC 133
Prerequisite Courses: CSC 131 with a minimum grade of C
Course Repeatability: Course may not be repeated.

CSC 331 - Object-Oriented Programming and Design

Object-oriented programming with a focus on software modeling of objects, classes, methods, inheritance, interfaces, polymorphism, and multi-threading.

Completion of a team software project is required.

Credit Hours: 3

Prerequisite Courses: CSC 231 with a minimum grade of C.
Additional Restrictions/Requirements: A grade of 'C' (2.00) or better is required for taking courses for which CSC 331 is a prerequisite.
Course Repeatability: Course may not be repeated.

CSC 355 - Database Design and Implementation

Introduction to database concepts and database management systems. Topics include data models (hierarchical, network, relational, parallel, distributed and NoSQL), data modeling, data description languages, data manipulation languages, database administration, data warehouses, and front-end development. A group project designing and implementing a relational database is required.

Prerequisite Courses: CSC 231 (with a minimum grade of C)
Additional Restrictions/Requirements: Junior or

senior standing, or permission of instructor**.**
Course Repeatability: Course may not be repeated.

CSC 380 - Design and Analysis of Algorithms

Algorithm design paradigms such as divide and conquer, greedy, and dynamic programming; techniques for algorithm analysis, such as asymptotic notations and estimates, as well as time/space trade-offs. Topics may include sorting, searching, scheduling, string matching, graph algorithms, amortized analysis, and computational geometry.

Credit Hours: 3

Prerequisite Courses: CSC 133 and CSC 231 with a minimum grade of C and MAT 161
Course Repeatability: Course may not be repeated.

CSC 385 - Professional and Ethical Issues in Computing

Professional and ethical issues arising from the impact of computer science and related technologies on society. Topics include ethical issues, obligations of professional practice, privacy and security, intellectual

property, work and health issues, and the impact of emerging technologies. Students give both oral and written presentations and discuss case studies.

Credit Hours: 3

Prerequisite Courses: ENG 101, and (CSC 131 with a minimum grade of "C").
Additional Restrictions/Requirements: Junior or senior standing in computer science or information technology or Digital Arts or Software Engineering
University Studies: Building Competencies/Writing Intensive, Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.
Major Restriction Computer Science or Information Technology or Digital Arts or Software Engineering**Minor Restriction** Computer Science or Information Technology or Digital Arts or Software Engineering

EBD 280 - Entrepreneurship for Non-Business Majors

Primary focus on the entrepreneurial mindset and the process for starting a business. Specific areas include

the characteristics of successful entrepreneurs, profiles of successful new businesses, identifying and evaluating new business opportunities, and developing the business plan. Social and developmental entrepreneurship are also addressed.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.

MAT 161 - Calculus with Analytical Geometry I

Calculus of a single variable intended for students in the mathematical and natural sciences. Functions and limits; differentiation with applications including maxima and minima, related rates, and approximations; theory of integration with applications; and transcendental functions.

Credit Hours: 4

Prerequisite Courses: MAT 112 or MAT 160, or

satisfactory performance on the UNCW mathematics placement test.
University Studies: Foundations/Mathematics and Statistics, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

SENG 201 - Software Engineering Fundamentals

Introduction to the basic skills of software engineering. Students learn version control, program verification techniques, flow analyses, formal code documentation, software diagramming, and the software lifecycle. Students learn information literacy practices relevant to software implementation. Coursework focuses on the relation between software tools and operating system concepts in Linux. Group work is required.

Prerequisite Courses: CSC 131 with a C or better
University Studies: Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

SENG 301 - Software Systems Analysis

Introduction to analysis techniques used to specify software systems. Students learn requirements engineering techniques, architecture patterns, and formal specification. Students analyze software security, performance, reliability, and usability tradeoffs.

Prerequisite Courses: SENG 201 with a C or better and CSC 231 with a C or better
University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

SENG 401 - Software Construction

Study and practice of contemporary software engineering tools and techniques for the design, implementation and testing of software systems. Consideration of object-oriented design patterns, continuous integration, cloud-based systems, and best practices in system verification and validation. Group software project required.

Prerequisite Courses: SENG 301 with a grade of C or higher and CSC 331 with a grade of C or higher
Course Repeatability: Course may not be repeated.

SENG 458 - Software Practicum I

First semester of a two-semester capstone experience in software development. Definition, implementation, and testing of a software system created for an external customer by student teams. Consideration of software lifecycle methodologies, software project management, stakeholder communication, and team organization. Engineering content emphasizes system architecture, cloud integration, and test automation.

Prerequisite Courses: SENG 401 with a C or higher
Additional Restrictions/Requirements: Senior standing required
University Studies: Explorations Beyond the Classroom, Critical Reasoning
Course Repeatability: Course may not be repeated.
Major Restriction Software Engineering

SENG 459 - Software Practicum II

Second semester of a two-semester capstone experience in software development. Student teams define, implement, and test a software system created for an external customer. Students learn applied techniques for cloud integration, system validation,

DevOps, and maintenance.

Prerequisite Courses: SENG 458
Additional Restrictions/Requirements: Senior standing required
University Studies: Critical Reasoning, Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.
Major Restriction Software Engineering

SENG 495 - Seminar in Software Engineering

Research and discussion of contemporary topics in software engineering. Oral presentation required.

Additional Restrictions/Requirements: Junior or senior standing required.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 3 **Repeat Limit:** 2
Major Restriction Software Engineering

Choose one of the following

STT 215 - Introduction to Statistics

Methods of data collection; numerical and graphical analyses of univariate and bivariate data; axioms of

probability; conditional probability; independence; distributions of random variables; introduction to confidence intervals and hypothesis testing; simple linear regression and correlation; use of statistical software to analyze data and simulate random variables.

Credit Hours: 3

University Studies: Foundations/Mathematics and Statistics
Course Repeatability: Course may not be repeated.

BAN 280 - Statistical Analysis for Business and Economics

Classification and presentation of business and economics data, probability and expected value, statistical inference, simple linear regression and correlation analysis.

Credit Hours: 3

Prerequisite Courses: MAT 111 or MAT 150.
University Studies: Foundations/Mathematics and

Statistics
Course Repeatability: Course may not be repeated.

Engineering Electives (9 hours)

9 hours of any 300-400 level CSC, DSC, or SENG courses not included in the Core Requirements.

Math, Statistics, and Natural Science Electives (20 hours)

20 hours from the following list. At least two courses must be a natural science with a laboratory component.

BIO 105 - Concepts of Modern Biology

Introduction to the diversity of life and the principles governing living systems, focusing on the role of humans in the natural world. Designed for the non-biology major. Employs multi-media instructional materials. The lab for this course is BIOL 105.

Credit Hours: 3

Prerequisite or Corequisite Courses: BIOL 105
University Studies: Building Competencies/Information Literacy, Approaches and

Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

BIO 201 - Principles of Biology: Cells

Introduction to principles governing living systems, especially the cellular and molecular basis of life and the transmission and utilization of genetic information. The lab for this course is BIOL 201.

Credit Hours: 3

Prerequisite or Corequisite Courses: BIOL 201
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

BIO 202 - Principles of Biology: Biodiversity

Evolution, classification, and diversity of life, stressing morphology, physiology, principles of adaptation, and relationships between biotic and abiotic components of ecosystems. The lab for this course is BIOL 202.

Credit Hours: 3

Prerequisite or Corequisite Courses: BIOL 202
University Studies: Building Competencies/Information Literacy, Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

CHM 101 - General Chemistry I

Overview of the fundamental laws, principles and theories of chemistry. A 'C' or better in CHM 101 is required to take certain advanced courses in chemistry.

Credit Hours: 3

Corequisite Courses: CHML 101.
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

CHML 101 - General Chemistry Laboratory I

Introduction to general chemistry laboratory techniques. This course is the lab companion course for general chemistry lecture CHM 101.

Credit Hours: 1

Corequisite Courses: CHM 101.
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

CHM 102 - General Chemistry II

Study of the fundamental laws, principles and theories of chemistry. Introduction to inorganic chemistry. Interpretation of experimental results. A 'C' or better in CHM 102 is required to take certain advanced courses in chemistry.

Credit Hours: 3

Corequisite Courses: CHML 102.
Prerequisite Courses: CHM 101 and CHML 101.
Course Repeatability: Course may not be repeated.

CHML 102 - General Chemistry Laboratory II

Introduction to techniques and equipment used in the chemical laboratory. Interpretation of experimental results. This course is the lab for CHM 102 .

Credit Hours: 1

Corequisite Courses: CHM 102.
Prerequisite Courses: CHML 101, CHM 101.
Course Repeatability: Course may not be repeated.

EVS 195 - Introduction to Environmental Sciences

Interdisciplinary introduction to the scope and application of environmental sciences. Emphasis on integrated analysis of environmental principles and discussions centering on current environmental problems. The lab for this course is EVSL 195.

Credit Hours: 3

Additional Restrictions/Requirements: EVS 195 and EVSL 195 may be taken in different semesters.
University Studies: Approaches and

Perspectives/Scientific Approaches to the Natural World, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

EVSL 195 - Environmental Sciences Lab

Laboratory analysis of environmental principles, resources, and problems. Application of scientific and social principles to solving current environmental problems. This course is the lab for EVS 195.

Credit Hours: 1

Prerequisite or Corequisite Courses: EVS 195
Additional Restrictions/Requirements: EVSL 195 may be taken in the same semester as EVS 195 or in a semester subsequent to EVS 195.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.

GLY 101 - Earth Revealed

An introduction to Geology covering fundamental topics including plate tectonics, geologic time, and Earth

materials with emphasis on how geology affects the natural environment, controls distribution of natural resources, and poses risks to humans. Contemporary issues covered include natural resource use (water, energy), geohazards, coastal processes, and climate change.

Credit Hours: 3

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World, Living in a Global Society
Course Repeatability: Course may not be repeated.

GLYL 101 - Earth Revealed Laboratory

Introduction to applied use of rock and mineral samples, maps, and models in geology. Topics include plate tectonics, mineral and rock identification and resources, geologic time, mountain building, earthquakes, volcanoes, river processes and flooding, groundwater, coastal processes and storms, energy, and climate change.

Credit Hours: 1

Prerequisite or Corequisite Courses: GLY 101.
University Studies: Approaches and Perspectives: Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

GLY 120 - Environmental Geology

Introduction to the relationships between man and his geologic environment. Concerned with the problems that people have in using the earth and the reaction of the earth to that use. Emphasis is placed on earth processes, earth resources, and properties of rocks and surficial deposits insofar as they are important to or affect human activities. The lab for this course is GLYL 120.

Credit Hours: 3

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

GLYL 120 - Environmental Geology Lab

Laboratory analysis of earth materials and resources. Applications of geologic principles to solving current environmental problems. This course is the lab for GLY 120.

Credit Hours: 1

Prerequisite Courses: Prerequisite or corequisite: GLY 120.
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

OCN 150 - Introduction to Oceanography

An introduction to the geology, physics, chemistry, and biology of the ocean; instruments and techniques of oceanography; resources of the ocean. The lab for this course is OCNL 150.

Credit Hours: 3

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural

World
Course Repeatability: Course may not be repeated.

OCNL 150 - Introduction to Oceanography Laboratory

A hands-on, experiential introduction to the study of the oceans including geological, biological, chemical, and physical aspects. Instruments and techniques of oceanography, marine resources, and human interaction with the oceans will also be explored. Multiple required field trips. This course is the lab for OCN 150.

Credit Hours: 1

Prerequisite Courses: Prerequisite or corequisite: OCN 150.
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

PHY 201 - General Physics I

First semester of a two semester calculus-based introduction to the fundamental principles of physics for the physical and mathematical sciences. Topics include kinematics, Newtonian statics and dynamics, gravitation, oscillations, and mechanical waves.

Credit Hours: 4

Prerequisite or Corequisite Courses: MAT 161
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

PHY 202 - General Physics II

Second semester of a two semester calculus-based introduction to the fundamental principles of physics for the physical and mathematical sciences. Topics include electric and magnetic fields, circuits, Maxwell's equations, electromagnetic waves, and optics.

Credit Hours: 4

Prerequisite or Corequisite Courses: MAT 162

Prerequisite Courses: PHY 201
Course Repeatability: Course may not be repeated.

MAT 162 - Calculus with Analytical Geometry II

The second course in a three-course sequence. Further techniques and applications of integration; infinite sequences and series; conic sections, parametrized curves and polar coordinates; and, elementary differential equations.

Credit Hours: 4

Prerequisite Courses: MAT 161.
University Studies: Foundations/Mathematics and Statistics, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

MAT 275 - Axiomatic Systems

Introduction to logic and mathematical proof with a focus on properties of the real number system. Elementary set theory, relations, functions, cardinality, algebraic and completeness properties of the reals and topics from axiomatic systems. Precision in the language of mathematics and rigor in proofs. Student

presentations.

Credit Hours: 3

Prerequisite Courses: MAT 152 or MAT 161
Course Repeatability: Course may not be repeated.

MAT 321 - Number Theory and its Applications

Introduction to the theory of numbers motivated by applications. Primes and divisibility; the Euclidean algorithm; linear congruences and the Chinese Remainder Theorem; Fermat's Little Theorem; continued fractions and Farey sequences. Applications to cryptology, computer arithmetic, random number generators and primality testing. Possible additional applications to computer science, physics, communication, music.

Credit Hours: 3

Prerequisite Courses: MAT 275 or CSC 133
Course Repeatability: Course may not be repeated.

MAT 335 - Linear Algebra and Matrices

Systems of linear equations, vector spaces, algebra of matrices and linear transformations, determinants, eigenvalues and eigenvectors, applications.

Credit Hours: 3

Prerequisite Courses: MAT 161
Course Repeatability: Course may not be repeated.

STT 315 - Introduction to Probability

Introduction to calculus-based probability. Topics include: discrete and continuous random variables and probability distributions; mathematical expectation and variance; sampling distributions and the central limit theorem.

Credit Hours: 3

Prerequisite Courses: MAT 152 or MAT 162.
Course Repeatability: Course may not be repeated.

Total: 78 hours

Additional Information

Students interested in the B.S. in Software Engineering are strongly advised to take CSC 131 during freshman year.

Spanish, B.A.

Applied Learning Requirement:

To satisfy the applied-learning requirement for foreign language, a student must complete 3 credit hours of study abroad (at the intermediate level or above) or 3 credit hours of internship, directed individual study, practicum, honors, or service learning.

Oral Communication Requirement:

To satisfy the oral communication requirement for the B.A. degree in Spanish a student must successfully complete SPN 303.

Requirements for a Major in Spanish for the B.A. Degree:

36 hours (Twelve (12) must be SPN 303, SPN 305, SPN 306 and SPN 307; at least six (6) must be at the 400 level, and up to six (6) may be at the 200 level.)

Only 3 hours at the 400 level may be obtained by means of SPN 490, SPN 491, SPN 498, or SPN 499.

Additional Information:

A grade of "C-" or better is required in each course counted toward the major and a "C" (2.00) average or better for all courses counted toward the major.

Special Education, B.A.

The Watson College of Education offers a Bachelor of Arts Degree in Special Education (K-12) for students interested in teaching students with exceptionalities. Special Education majors select from two instructionally-oriented tracks: Adapted Curriculum or General Curriculum. Many of the courses in the university studies and professional studies are similar; however, the specialty area courses for adapted and general curriculum are different. Students in the program also will have the opportunity to gain skills and knowledge in assistive technology, teaching academic skills to diverse learners, instructional design, classroom management, collaboration, and applied research.

The Special Education General Curriculum track prepares teachers to provide instruction and behavior supports to assist students with learning and behavioral disabilities(high-incidence disabilities) who are enrolled in the general education curriculum. Among the most common learning problems these students experience are learning disabilities, mild intellectual disabilities, and behavior problems. Training includes individual and small group instruction for students with disabilities who are achieving below grade level in basic skills, implementation of positive behavior supports for students with disabilities and collaboration with general education teachers. Successful completion of this program and licensure requirements will lead to a B.A. degree and licensure in General Special Education (K-12). In addition, Special Education majors who complete the four-year General Curriculum Program are also eligible for licensure in Elementary Education by passing the required licensure test for both Special Education and Elementary Education.

The Special Education Adapted Curriculum track prepares teachers to provide instruction to assist students with moderate to severe disabilities who are not enrolled in the general education curriculum.

Students supported have moderate to severe physical and/or intellectual disabilities, including such diagnoses as: Down syndrome, moderate to severe autism, Fragile X syndrome, multiple disabilities, and medically fragile students. Training includes instructional practices to teach functional skills, as well as functional academics, in a small controlled setting (self-contained classroom). These classrooms provide highly individualized instruction for students whose needs cannot be met in the general education classroom and are typically comprised of students in the same categorical grouping. Assistive technologies and sign language are also taught in the program. Successful completion of this program and licensure requirements will lead to a B.A. degree and licensure in Adapted Special Education (K-12).

Degree Requirements for Special Education:

University Studies:

Students should follow university studies requirements of the University of North Carolina Wilmington as outlined in the Academic Programs and University

Studies section of the catalogue. The major in special education requires 84 credit hours in education for the general curriculum track and 82 credit hours in the adapted curriculum track.

General Curriculum Track:

Professional Core – General Curriculum Track:

EDN 200 - Teacher, School and Society

This course examines historical, sociological, and philosophical foundations of education as well as issues of diversity. The course engages students' knowledge, research, and analytical skills in relation to the goals and purposes of education. Students are challenged to critically reflect on personal and educational experiences as preservice professionals. The course is designed to provide opportunities to observe and engage in reflective discussion of curriculum and instructional practices, school governance and organization, and school-community relationships, inclusive of field

experience. **Additional liability insurance expense may be necessary.** The lab for this course is EDNL 200.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in Our Diverse Nation, Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.

EDN 203 - Psychological Foundations of Teaching

A study of the major psychological variables that influence learning in schools and their applications to teaching. Addresses theories and systems of learning (behavioral, cognitive, constructivist, and humanistic); major developmental processes and typical characteristics; and principles of motivation. Variables explaining and accounting for individual differences will be examined, including cultural aspects of learning and special needs learners. Students will learn about practices associated with effective teaching, including classroom management, and standards for valid

assessment of student learning.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

EDN 301 - Instructional Design and Evaluation

Provides conceptual tools and analytic skills essential to planning, implementing, and evaluating instruction. The design of instruction that incorporates behavioral, cognitive and constructivist theories of learning and views of curriculum will be considered. Topics: types of learning; conditions of learning; performance objectives; purposes, forms, and procedures for educational assessment; task analysis, and lesson design.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite:EDN 200 and EDN 203.
Course Repeatability: Course may not be repeated.

EDN 303 - Instructional Technology

Emphasizes the design, selection, production, and evaluation of instructional materials, computer-generated presentations, and interactive multimedia, with particular emphasis on their effective integration into an instructional unit. Develops skill in the operation of media production equipment, including microcomputers, fundamentals of operating systems, computer software applications, networks, and telecommunications.

Credit Hours: 3

University Studies: Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

Professional Studies – General Curriculum Track:

Curricular Foundations:

Students choose a minimum of 9 EDN credit hours from the following curricular areas and are limited to one course from each of the 4 areas: Literacy, Mathematics, Social Studies, and Science.

Literacy:

EDN 340 - Applied Literacy Methods

This course emphasizes the instructional application of foundational and advanced literacy skills with a focus on the role of comprehension and research-based tools to support vocabulary acquisition, fluency, and reading for meaning. The lab for this course is EDNL 340.

Credit Hours: 3

Corequisite Courses: EDNL 340
Prerequisite Courses: EDN 240
Course Repeatability: Course may not be repeated.

EDN 352 - Developing Reading and Writing Competence in the Middle Grades

Develops understanding of reading and writing processes in the broad context of communication.

Presents strategies for fostering and evaluating interest, fluency, and skill in reading and writing, both in developmental literary classes and in middle level, content subjects. Topics include organizational and instructional strategies for the development of reading and writing ability, techniques for motivating and guiding readers and writers, and strategies for study and comprehension, which support learning in all areas of the middle school curriculum. Field experiences required.

Credit Hours: 3

Additional Restrictions/Requirements: Admission to the Watson School of Education.
University Studies: Building Competencies/Writing Intensive, Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

EDN 355 - Language Arts Methods for the Middle Grades

Informed by current theory and research, this course examines developmentally appropriate curriculum, materials, assessments, and methods for the teaching of language arts at middle grades levels. The application of contemporary media and computer technology for the middle grades is incorporated. Coursework includes field experience.

Credit Hours: 3

Corequisite Courses: EDN 439.
Prerequisite Courses: EDN 301 and EDN 318 and EDN 320 and EDN 352 .
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

Mathematics:

EDN 322 - Foundations of Number and Algebraic Reasoning (K-6)

Focus on the curriculum, materials, and methods appropriate for the teaching of number and algebraic reasoning for the kindergarten through sixth grade level. Field experience required. The lab for this course is EDNL 322.

Credit Hours: 3

Prerequisite Courses: EDN 301
Additional Restrictions/Requirements: Prerequisite course and completion of 6 semester hours of appropriate mathematics or statistics at the 101 level or higher, with minimum grade of C-.

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

EDN 323 - Teaching Mathematics in the Middle Grades (6-9)

This course examines the curriculum, materials, and methods appropriate for the teaching of mathematics at middle grade levels. There is an emphasis on problem-based instruction including the selection and implementation of high-level mathematics tasks and the

teacher's facilitation of problem-solving, collaboration and discussion. Coursework includes field experience.

Credit Hours: 3

Corequisite Courses: EDN 439.
Prerequisite Courses: EDN 301 and EDN 318 and EDN 320 and EDN 352.
Additional Restrictions/Requirements: Prerequisite courses and 6 hours of mathematics.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

Social Studies:

EDN 334 - Social Studies Curriculum and Instruction (K-6)

An overview of the goals of social studies education and how this affects various patterns of organizing curricular content. The implications of learner

developmental characteristics for selecting approaches to instruction from history as well as the social and behavioral sciences will be explored. Emphasis on selection and preparation of appropriate materials including the strategies of inquiry, critical thinking, mapping and graphing, simulation, and problem solution. Field experiences required.

Credit Hours: 3

Prerequisite Courses: EDN 301
Additional Restrictions/Requirements: Prerequisite course and 6 hours of social studies content.
University Studies: Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

EDN 335 - Social Studies Education in the Middle Grades

This course examines the curriculum, materials, and methods appropriate for teaching social studies at middle grade levels. There is an emphasis inquiry-

based instruction including social inquiry in the real world, analysis of sources to build arguments, and teaching methods related to historical events and social studies phenomena. Coursework includes field experience.

Credit Hours: 3

Corequisite Courses: EDN 439.
Prerequisite Courses: EDN 301 and EDN 318 and EDN 320 and EDN 352.
Additional Restrictions/Requirements: Prerequisite courses and 6 hours of social studies content.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

Science:

EDN 336 - The Teaching of Science (K-6)

Methods of teaching the biological, earth and physical sciences. Applications of the sciences to classroom experimentation and investigation. Examination of contemporary curricula used at the elementary school level. Field experiences required.

Credit Hours: 3

Prerequisite Courses: EDN 301
Additional Restrictions/Requirements: Prerequisite course and completion of two science courses, one of which must have a laboratory component, with minimum grade of C-.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

EDN 338 - The Teaching of Science (6-9)

This course includes a survey of curriculum and methods for teaching science in grades 6-9. There is an emphasis on scientific inquiry, topics that integrate learning across science disciplines, and the social implications of science and technology. Coursework

includes field experience.

Credit Hours: 3

Corequisite Courses: EDN 439.
Prerequisite Courses: EDN 301 and EDN 318 and EDN 320 and EDN 352.
Additional Restrictions/Requirements: Prerequisite courses and basic studies science courses.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

Special Education Foundations:

SED 250 - Introduction to Special Education

Survey of major categories of exceptionality including intellectual disabilities, learning disabilities, behavioral and emotional disorders, attention deficits and hyperactivity, communication disorders, sensory impairments, multiple and severe disabilities, physical

and health impairments, and giftedness. Includes study of definitions, characteristics, etiology, psycho-social implications, educational interventions, and current issues. At least 6 field experience hours required.

Credit Hours: 3

University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

SED 352 - Behavioral Development

Designed to develop an understanding of social/emotional development and effective principles and strategies to promote positive behavioral development. Focus will be on positive behavioral support, functional behavioral assessment, teaching pro-social behaviors and social skills, establishing affective environments, parent training and effective behavior change strategies. At least 15 field experience hours required.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

SED 368 - Teaching Reading to Students with Special Needs

Designed to review, discuss, implement, and modify instructional techniques for teaching reading skills to students with exceptionalities. Emphasis on conducting assessments, developing materials, applying explicit instructional techniques, and identifying accommodations and modifications appropriate to the needs of students. Focus includes the application of instructional sequences that adhere to the guidelines for teaching phonemic awareness, vocabulary, fluency, comprehension, and the alphabetic principle. The lab for this course is SEDL 368.

Credit Hours: 3

Corequisite Courses: SEDL 368
Prerequisite Courses: EDN 301, SED 372
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SEDL 368 - Teaching Reading to Learners with Special Needs Laboratory

Designed to provide students with supervised opportunities to implement and modify explicit reading instruction to meet the needs of students with exceptionalities. Emphasis will be on the application of instructional sequences that adhere to the guidelines for teaching phonemic awareness, vocabulary, fluency, comprehension, and the alphabetic principle. This course is the lab for SED 368.

Credit Hours: 1

Corequisite Courses: SED 368
Prerequisite Courses: EDN 301
University Studies: Explorations Beyond the Classroom, Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 1

Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

SED 369 - Teaching Mathematics to Students with Special Needs

Designed to review, discuss, implement, and modify instructional techniques for teaching mathematics skills to students with exceptionalities. Emphasis on conducting assessments, developing materials, applying explicit instructional techniques, and identifying accommodations and modifications appropriate to the needs of students. Focus includes the application of instructional sequences that adhere to the guidelines for teaching concepts, rules, and strategies in math. The lab for this course is SEDL 369.

Credit Hours: 3

Corequisite Courses: SEDL 369
Prerequisite Courses: EDN 301, SED 374
Course Repeatability: Course may not be repeated.

SEDL 369 - Teaching Mathematics to Students with Special Needs Laboratory

Designed to provide students with supervised opportunities to implement and modify explicit mathematics instruction to meet the needs of students with exceptionalities. Emphasis will be on the application of instructional sequences that adhere to the guidelines for teaching concepts, rules, and strategies in math. This course is the lab for SED 369.

Credit Hours: 1

Corequisite Courses: SED 369
Prerequisite Courses: EDN 301
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 1
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

SED 370 - Assessment Procedures for Special Education

Examination of concepts and fundamentals of educational assessment. Includes study of formal, informal, and alternative assessment techniques

appropriate for students with exceptionalities. Includes assessment of intellectual functioning, academic skills, spoken language, learning skills, social-emotional-behavioral development, adaptive behavior, early childhood skills, and occupational/transitional skills. At least 15 field experience hours required.

Credit Hours: 3

Prerequisite Courses: EDN 301, SED 374
Course Repeatability: Course may not be repeated.
Additional Course Fee Schedule

SED 372 - Program Development in Special Education

Development of skills in planning educational programs for students with exceptionalities. Includes writing lesson plans, unit plans, individualized educational programs, family service plans, and transition plans; task analysis; legal requirements and roles of the special education teacher. At least 15 field experience hours required.

Credit Hours: 3

Prerequisite Courses: EDN 301, SED 374
University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.
Additional Course Fee Schedule

SED 375 - Reflective Practices in Teaching Students with Disabilities

Designed to provide students with the skills to identify the appropriate evidence based practices to be used to teach content and/or behavioral skills. Students will use the content they learned in their previous coursework to plan for instruction and assessment, instruct and engage students in learning, and assess student learning.

Credit Hours: 2

Corequisite Courses: SEDL 375.
Prerequisite Courses: SED 372, SED 369, SEDL 369, and SED 370.
University Studies: Building Competencies/Information Literacy, Explorations

Beyond the Classroom
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 2
Additional Course Fee Schedule

Specialty Area – General Curriculum Track:

SED 351 - Learning and Behavioral Disorders in a Diverse Society

Designed to examine the complex variety of learners with behavioral or emotional disorders and learning disabilities. Emphasis on etiology, assessment, diagnosis, characteristics, theories, historical influences, teaching strategies, and current trends. At least 15 field experience hours required.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

SED 354 - Curriculum and Methods of Instruction for Secondary Transition

Practical application of legal requirements for preparing students with disabilities for transition into employment, post-secondary education, and independent living, including pre-vocational and vocational methodologies, student-centered planning, and interagency linkages. At least 15 hours of field experience required.

Credit Hours: 3

Prerequisite Courses: SED 372, SED 369, SEDL 369, and SED 370.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3
Additional Course Fee Schedule

SED 360 - Teaching Students with Learning Problems

Study of educational interventions for students with learning problems. Emphasis will be on developmental, cognitive, medical, behavioral, and constructivist approaches. Includes study of curriculum and instructional strategies in oral language, reading,

literature, written language, math, content areas, learning strategies, and study skills for grades K-12. At least 15 field experience hours required.

Credit Hours: 3

Prerequisite Courses: Prerequisite: SED 250, SED 351, and SED 352.
Additional Restrictions/Requirements: Prerequisite courses or consent of instructor.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3
Additional Course Fee Schedule

SED 362 - Teaching Students with Social, Emotional, and Behavior Problems

Examination of problems, issues, and practices in developing effective programs for students with social/behavioral needs. Emphasis on social, emotional and behavioral needs including major interventions, family involvement, social skills, applied behavior analysis, cognitive/behavioral approaches, medication issues, legal considerations, and curricular strategies. At least 25 field experience hours required.

Credit Hours: 3

Prerequisite Courses: SED 351, SED 352, SED 372, SED 369, SEDL 369, and SED 370.
Additional Restrictions/Requirements: Prerequisite courses or consent of instructor.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3
Additional Course Fee Schedule

SED 374 - Applied Behavior Analysis for Teachers

Designed to provide a strong foundation and knowledge of basic principles of learning through the introduction of Behavior Analysis: the science and technology of behavior. The focus will be on empirically validated instructional strategies by which students learn academic, social and physical skills. At least 20 field experience hours required.

Credit Hours: 3

Additional Restrictions/Requirements: 9 hours of Curricular Foundations.
University Studies: Explorations Beyond the Classroom, Building Competencies/Information Literacy, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

SEDL 200 - Special Education Apprentice Field Experience I

Designed to provide guided teaching practice under the direction of a university instructor. During the lab experience, students will design and deliver instruction for learners with high incidence disabilities based on evidence based practices and support non-instructional classroom duties with the guidance of their partnership teacher.

Credit Hours: 1

Course Repeatability: Course may not be repeated.

Additional Course Fees: Additional Fee - Liability Insurance

Major Restriction Special Education - General Curriculum

SEDL 300 - Special Education Apprentice Field Experience II

Designed to provide guided teaching practice under the direction of a university instructor. During the lab experience, students will design instruction for learners with high incidence disabilities, deliver instruction to individual students and/or small groups, support non-instructional classroom duties and collaborate with the partnership teacher regarding instructional decisions.

Credit Hours: 1

Prerequisite Courses: SEDL 200.
Additional Restrictions/Requirements: Restricted to Special Education - General Curriculum majors.
Course Repeatability: Course may not be repeated.
Additional Course Fees: Additional Fee - Liability Insurance

Major Restriction Special Education - General Curriculum

SEDL 400 - General Curriculum Field Experience III

Designed to provide guided teaching practice under the direction of a university instructor. During the lab experience, students will design instruction for learners with high incidence disabilities, deliver instruction to individual students, small groups, and/or whole groups, support classroom management plans, support non-instructional classroom duties and collaborate with the partnership teacher regarding instructional decisions.

Credit Hours: 1

Prerequisite Courses: SEDL 300.
Additional Restrictions/Requirements: Restricted to Special Education General Curriculum majors.
Course Repeatability: Course may not be repeated.
Additional Course Fees: Additional Fee - Liability Insurance

Major Restriction Special Education - General Curriculum

Professional Semester – General Curriculum Track:

SED 410 - Seminar in Special Education

Designed as a culmination of professional study into the teaching profession by providing opportunities to extend and apply understandings of the roles of the special education teacher as decision maker and reflective practitioner, particularly in the areas of assessment, planning, instruction, management, collaboration, assistive technology and evaluation. In addition, this course is designed to use the internship placement as a setting to develop the collaboration, teaming, communication, and conflict resolution skills relevant for educators of students with special needs and from diverse cultures.

Credit Hours: 3

Corequisite Courses: SED 411.
Additional Restrictions/Requirements: All courses in

the professional core and specialty area and a 2.70 GPA on all work attempted at UNCW.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SED 411 - Student Teaching in Special Education (K-12)

All full-time practicum experience within the area of specialization. Students will engage in a variety of supervised instructional activities, assuming an increasing amount of responsibility for all phases of instruction. Practica are offered in the areas of general curriculum and adapted curriculum.

Credit Hours: 9

Corequisite Courses: SED 410
Additional Restrictions/Requirements: As specified for SED 410.
University Studies: Explorations Beyond the Classroom, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 9

Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

Professional Semester - General Curriculum Track (non-licensure option):

Needs program approval

EDN 467 - Non-Licensure Practicum

Must receive program approval to enroll. A supervised practicum experience working with children and/or their families in a school or community setting. Designed for students who are completing a degree in education without earning licensure, this practicum promotes integration of the knowledge, skills, and dispositions required to be an effective educator. The practicum placement is selected to be consistent with the student's career goals. Placement and field hours must be approved by the instructor. This course does not fulfill the requirements for North Carolina teacher licensure.

Credit Hours: 6 to 12

Additional Restrictions/Requirements: Admission to Watson College of Education and consent of instructor. Must receive full program approval to enroll. Not guaranteed. Does not result in licensure (licensure test requirement waived for elementary majors).

University Studies: Explorations Beyond the Classroom, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.
Additional Course Fee Schedule

Note:

Students wishing to pursue teacher preparation programs must be formally admitted to the Watson College of Education and to the Teacher Education Program. Students in all programs should consult their advisors for admission procedures and for a list of courses requiring Watson College admissions. A grade of "C-" or better is required in education courses, as well as all courses in the interdisciplinary specialty and the professional semester. Students may repeat courses in which they earn a grade lower than a "C-" only with the permission of the dean of the Watson

College of Education. A cumulative grade point average of 2.70 is required for the practicum semester.

Adapted Curriculum Track:

Professional Core – Adapted Curriculum Track:

EDN 200 - Teacher, School and Society

This course examines historical, sociological, and philosophical foundations of education as well as issues of diversity. The course engages students' knowledge, research, and analytical skills in relation to the goals and purposes of education. Students are challenged to critically reflect on personal and educational experiences as preservice professionals. The course is designed to provide opportunities to observe and engage in reflective discussion of curriculum and instructional practices, school governance and organization, and school-community relationships, inclusive of field experience. **Additional liability insurance expense may be necessary.** The lab for this course is EDNL

200.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in Our Diverse Nation, Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.

EDN 203 - Psychological Foundations of Teaching

A study of the major psychological variables that influence learning in schools and their applications to teaching. Addresses theories and systems of learning (behavioral, cognitive, constructivist, and humanistic); major developmental processes and typical characteristics; and principles of motivation. Variables explaining and accounting for individual differences will be examined, including cultural aspects of learning and special needs learners. Students will learn about practices associated with effective teaching, including classroom management, and standards for valid assessment of student learning.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

EDN 301 - Instructional Design and Evaluation

Provides conceptual tools and analytic skills essential to planning, implementing, and evaluating instruction. The design of instruction that incorporates behavioral, cognitive and constructivist theories of learning and views of curriculum will be considered. Topics: types of learning; conditions of learning; performance objectives; purposes, forms, and procedures for educational assessment; task analysis, and lesson design.

Credit Hours: 3

Prerequisite Courses: Prerequisite or

corequisite:EDN 200 and EDN 203.
Course Repeatability: Course may not be repeated.

EDN 303 - Instructional Technology

Emphasizes the design, selection, production, and evaluation of instructional materials, computer-generated presentations, and interactive multimedia, with particular emphasis on their effective integration into an instructional unit. Develops skill in the operation of media production equipment, including microcomputers, fundamentals of operating systems, computer software applications, networks, and telecommunications.

Credit Hours: 3

University Studies: Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

Professional Studies – Adapted Curriculum Track:

Curricular Foundations:

SED 365 - The Teaching of Functional Academics

Designed to comprehensively review methods for teaching basic, functional, academic skills to persons with severe intellectual disabilities. Emphasis will be on the teaching of reading, math, and writing skills for daily use. The lab for this course is SEDL 365.

Credit Hours: 2

Corequisite Courses: SEDL 365.
Prerequisite Courses: SED 364, SED 356.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 2

SEDL 365 - Functional Academics Laboratory

Designed to provide students with supervised opportunities to teach functional academic skills to students with severe intellectual disabilities. Emphasis will be on the teaching of reading, math, and writing skills for daily use. Minimum of 20 hours per semester. This course is the lab for SED 365.

Credit Hours: 1

Corequisite Courses: SED 365
Prerequisite Courses: SED 364
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 1
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

SED 366 - The Teaching of Functional Skills

Examination of procedures for identifying and teaching functional skills to persons with severe intellectual disabilities. Students will assess and design programs to address skills in the domains of: personal management/self-care, daily living, vocation, career development, residential and independent living, recreation/leisure/play skills, and social skills. Course emphasis is analysis of skill requirements using an ecological inventory approach to instruction. The lab for this course is SEDL 366.

Credit Hours: 2

Corequisite Courses: SEDL 366.
Prerequisite Courses: SED 364, SED 367, SED 365, and SEDL 365.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 2

SEDL 366 - Functional Skills Laboratory

Designed to provide students with supervised opportunities to teach and observe instruction of functional skills to students with severe intellectual disabilities. Emphasis will be on the teaching of personal management/self-care, daily living, vocation/employment, and social skills. Minimum of 20 hours per semester. This course is the lab for SED 366.

Credit Hours: 1

Corequisite Courses: SED 366
Prerequisite Courses: SED 364
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 1
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

SED 367 - Communication and Language: Development and Interventions

Investigation of the principles of communication and language development. Study of the relationship of severe disabilities to delays in communication and language development. Course covers the use of a range of intervention and assistive technology strategies to facilitate acquisition of skills, both verbal and non-verbal, in this area. At least 15 field experience hours required.

Credit Hours: 3

Prerequisite Courses: SED 364, SED 356.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3
Additional Course Fee Schedule

SED 368 - Teaching Reading to Students with Special Needs

Designed to review, discuss, implement, and modify instructional techniques for teaching reading skills to

students with exceptionalities. Emphasis on conducting assessments, developing materials, applying explicit instructional techniques, and identifying accommodations and modifications appropriate to the needs of students. Focus includes the application of instructional sequences that adhere to the guidelines for teaching phonemic awareness, vocabulary, fluency, comprehension, and the alphabetic principle. The lab for this course is SEDL 368.

Credit Hours: 3

Corequisite Courses: SEDL 368
Prerequisite Courses: EDN 301, SED 372
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SEDL 368 - Teaching Reading to Learners with Special Needs Laboratory

Designed to provide students with supervised opportunities to implement and modify explicit reading instruction to meet the needs of students with exceptionalities. Emphasis will be on the application of instructional sequences that adhere to the guidelines

for teaching phonemic awareness, vocabulary, fluency, comprehension, and the alphabetic principle. This course is the lab for SED 368.

Credit Hours: 1

Corequisite Courses: SED 368
Prerequisite Courses: EDN 301
University Studies: Explorations Beyond the Classroom, Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 1
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

SED 369 - Teaching Mathematics to Students with Special Needs

Designed to review, discuss, implement, and modify instructional techniques for teaching mathematics skills to students with exceptionalities. Emphasis on conducting assessments, developing materials, applying explicit instructional techniques, and identifying accommodations and modifications appropriate to the needs of students. Focus includes

the application of instructional sequences that adhere to the guidelines for teaching concepts, rules, and strategies in math. The lab for this course is SEDL 369.

Credit Hours: 3

Corequisite Courses: SEDL 369
Prerequisite Courses: EDN 301, SED 374
Course Repeatability: Course may not be repeated.

SEDL 369 - Teaching Mathematics to Students with Special Needs Laboratory

Designed to provide students with supervised opportunities to implement and modify explicit mathematics instruction to meet the needs of students with exceptionalities. Emphasis will be on the application of instructional sequences that adhere to the guidelines for teaching concepts, rules, and strategies in math. This course is the lab for SED 369.

Credit Hours: 1

Corequisite Courses: SED 369
Prerequisite Courses: EDN 301

University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 1
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

SWK 311 - Child Abuse and Neglect

Study of the knowledge base, laws, and professional roles associated with contemporary child welfare practice. Identification of child maltreatment, reporting procedures and community-based interdisciplinary practice issues are emphasized. Upon acceptance to the NC Child Welfare Education Collaborative, students must complete both SWK 311 and SWK 312 before admission to a DSS field placement.

Credit Hours: 3

Additional Restrictions/Requirements: Students must earn a "C" or better in each SWK course in order to progress in the program.
Course Repeatability: Course may not be repeated.

Special Education Foundations:

SED 250 - Introduction to Special Education

Survey of major categories of exceptionality including intellectual disabilities, learning disabilities, behavioral and emotional disorders, attention deficits and hyperactivity, communication disorders, sensory impairments, multiple and severe disabilities, physical and health impairments, and giftedness. Includes study of definitions, characteristics, etiology, psycho-social implications, educational interventions, and current issues. At least 6 field experience hours required.

Credit Hours: 3

University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

SED 352 - Behavioral Development

Designed to develop an understanding of social/emotional development and effective principles and strategies to promote positive behavioral development. Focus will be on positive behavioral support, functional behavioral assessment, teaching pro-social behaviors and social skills, establishing affective environments, parent training and effective behavior change strategies. At least 15 field experience hours required.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

SED 370 - Assessment Procedures for Special Education

Examination of concepts and fundamentals of educational assessment. Includes study of formal, informal, and alternative assessment techniques appropriate for students with exceptionalities. Includes assessment of intellectual functioning, academic skills,

spoken language, learning skills, social-emotional-behavioral development, adaptive behavior, early childhood skills, and occupational/transitional skills. At least 15 field experience hours required.

Credit Hours: 3

Prerequisite Courses: EDN 301, SED 374
Course Repeatability: Course may not be repeated.
Additional Course Fee Schedule

SED 372 - Program Development in Special Education

Development of skills in planning educational programs for students with exceptionalities. Includes writing lesson plans, unit plans, individualized educational programs, family service plans, and transition plans; task analysis; legal requirements and roles of the special education teacher. At least 15 field experience hours required.

Credit Hours: 3

Prerequisite Courses: EDN 301, SED 374

University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.
Additional Course Fee Schedule

SED 375 - Reflective Practices in Teaching Students with Disabilities

Designed to provide students with the skills to identify the appropriate evidence based practices to be used to teach content and/or behavioral skills. Students will use the content they learned in their previous coursework to plan for instruction and assessment, instruct and engage students in learning, and assess student learning.

Credit Hours: 2

Corequisite Courses: SEDL 375.
Prerequisite Courses: SED 372, SED 369, SEDL 369, and SED 370.
University Studies: Building Competencies/Information Literacy, Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.

Maximum Repeatable Hours: 2
Additional Course Fee Schedule

SEDL 375 - Reflective Practices in Teaching Students with Disabilities Lab

Designed to provide supervised opportunities to develop a comprehensive individualized lesson plan(s) for a student(s) with a disability that reflects a deep understanding of differentiation and also addresses the unique behavioral needs of students that are in need of functional behavioral support. The course content will also reflect students' acquisition of skills from their special education methods courses and provide opportunities to practice the culmination of these skills while receiving constructive feedback from the instructor.

Credit Hours: 1

Corequisite Courses: SED 375.
Prerequisite Courses: SED 372, SED 369, SEDL 369, SED 370.
Additional Restrictions/Requirements: Restricted to majors in Special Education (General and

Adapted Curriculum).
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 1
Additional Course Fees: Additional Fee - Liability Insurance

Major Restriction Special Education - General and Adapted Curriculum

Specialty Area – Adapted Curriculum Track:

SED 354 - Curriculum and Methods of Instruction for Secondary Transition

Practical application of legal requirements for preparing students with disabilities for transition into employment, post-secondary education, and independent living, including pre-vocational and vocational methodologies, student-centered planning, and interagency linkages. At least 15 hours of field experience required.

Credit Hours: 3

Prerequisite Courses: SED 372, SED 369, SEDL 369,

and SED 370.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3
Additional Course Fee Schedule

SED 356 - Severe Disabilities

Study of etiology, definitions, characteristics and programming needs of persons with moderate, severe, and profound intellectual disabilities, low functioning autism, and multiple disabilities. Current approaches to treatment and education of persons with severe disabilities in a variety of settings and across the life span will be included. Students will be expected to develop a basic knowledge of the various aspects of severe disabilities and use that knowledge to make informed decisions about appropriate practices in the education of this population. At least 15 field experience hours required.

Credit Hours: 3

Prerequisite Courses: SED 352.

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3
Additional Course Fee Schedule

SED 364 - Teaching Students with Severe Disabilities

Examination of intervention strategies and issues for persons with severe disabilities. Major focus is on a set of research based strategies referred to as response prompting procedures. Students will examine means for delivering instruction in one-on-one and small group settings using discrete trail, mass trial, and activity based approaches. At least 15 field experience hours required.

Credit Hours: 3

Prerequisite Courses: SED 352.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3
Additional Course Fee Schedule

SED 374 - Applied Behavior Analysis for Teachers

Designed to provide a strong foundation and knowledge of basic principles of learning through the introduction of Behavior Analysis: the science and technology of behavior. The focus will be on empirically validated instructional strategies by which students learn academic, social and physical skills. At least 20 field experience hours required.

Credit Hours: 3

Additional Restrictions/Requirements: 9 hours of Curricular Foundations.
University Studies: Explorations Beyond the Classroom, Building Competencies/Information Literacy, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

SEDL 201 - Special Education Apprentice Field Experience I

Designed to provide guided teaching practice under the direction of a university instructor. During the lab

experience, students will design and deliver instruction for learners with significant intellectual and multiple disabilities based on evidence based practices and support non-instructional classroom duties with the guidance of their partnership teacher.

Credit Hours: 1

Additional Restrictions/Requirements: Restricted to Special Education - Adapted Curriculum majors.
Course Repeatability: Course may not be repeated.
Additional Course Fees: Additional Fee - Liability Insurance

Major Restriction Special Education - Adapted Curriculum

SEDL 301 - Adapted Curriculum Field Experience II

Designed to provide guided teaching practice under the direction of a university instructor. During the lab experience, students will design instruction for learners with significant intellectual and multiple disabilities, deliver instruction to individual students and/or small

groups, support non-instructional classroom duties and collaborate with the partnership teacher regarding instructional decisions.

Credit Hours: 1

Prerequisite Courses: SEDL 201.
Additional Restrictions/Requirements: Restricted to Special Education Adapted Curriculum majors.
Course Repeatability: Course may not be repeated.
Additional Course Fees: Additional Fee - Liability Insurance

Major Restriction Special Education - Adapted Curriculum

SEDL 401 - Adapted Curriculum Field Experience III

Designed to provide guided teaching practice under the direction of a university instructor. During the lab experience, students will design instruction for learners with significant intellectual and multiple disabilities, deliver instruction to individual students, small groups, and/or whole groups, support classroom management

plans, support non-instructional classroom duties and collaborate with the partnership teacher regarding instructional decisions.

Credit Hours: 1

Prerequisite Courses: SEDL 301.
Additional Restrictions/Requirements: Restricted to Special Education Adapted Curriculum majors.
Course Repeatability: Course may not be repeated.
Additional Course Fees: Additional Fee - Liability Insurance

Major Restriction Special Education - Adapted Curriculum

HFE 415 - Adapted Physical Activity

Provide students theoretical and practical knowledge to plan and implement appropriate physical activity programs for individuals with disabilities in integrated and inclusive settings.

Credit Hours: 0

Prerequisite Courses: (EXS 216 with a C- or better and EXSL 216 with a C- or better) or (BIO 240 with a C- or better and BIOL 240 with a C- or better).
Additional Restrictions/Requirements: Senior standing, prerequisite courses, or consent of instructor.
University Studies: Writing Intensive, Information Literacy
Course Repeatability: Course may not be repeated.
Additional Course Fees: Additional Fee - General Professional Internship Liability Insurance Additional Course Fee Schedule

Professional Semester – Adapted Curriculum Track:

SED 410 - Seminar in Special Education

Designed as a culmination of professional study into the teaching profession by providing opportunities to extend and apply understandings of the roles of the special education teacher as decision maker and reflective practitioner, particularly in the areas of assessment, planning, instruction, management, collaboration, assistive technology and evaluation. In addition, this course is designed to use the internship

placement as a setting to develop the collaboration, teaming, communication, and conflict resolution skills relevant for educators of students with special needs and from diverse cultures.

Credit Hours: 3

Corequisite Courses: SED 411.
Additional Restrictions/Requirements: All courses in the professional core and specialty area and a 2.70 GPA on all work attempted at UNCW.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SED 411 - Student Teaching in Special Education (K-12)

All full-time practicum experience within the area of specialization. Students will engage in a variety of supervised instructional activities, assuming an increasing amount of responsibility for all phases of instruction. Practica are offered in the areas of general curriculum and adapted curriculum.

Credit Hours: 9

Corequisite Courses: SED 410
Additional Restrictions/Requirements: As specified for SED 410.
University Studies: Explorations Beyond the Classroom, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 9
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

Professional Semester - Adapted Curriculum Track (non-licensure option):

Needs program approval.

EDN 467 - Non-Licensure Practicum

Must receive program approval to enroll. A supervised practicum experience working with children and/or their families in a school or community setting. Designed for students who are completing a degree in education without earning licensure, this practicum promotes integration of the knowledge, skills, and dispositions required to be an effective educator. The practicum placement is selected to be consistent with the

student's career goals. Placement and field hours must be approved by the instructor. This course does not fulfill the requirements for North Carolina teacher licensure.

Credit Hours: 6 to 12

Additional Restrictions/Requirements: Admission to Watson College of Education and consent of instructor. Must receive full program approval to enroll. Not guaranteed. Does not result in licensure (licensure test requirement waived for elementary majors).

University Studies: Explorations Beyond the Classroom, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.
Additional Course Fee Schedule

Note:

Students wishing to pursue teacher preparation programs must be formally admitted to the Watson College of Education and to the Teacher Education Program. Students in all programs should consult their

advisors for admission procedures and for a list of courses requiring Watson College admissions. A grade of "C-" or better is required in education courses, as well as all courses in the interdisciplinary specialty and the professional semester. Students may repeat courses in which they earn a grade lower than a "C-" only with the permission of the dean of the Watson College of Education. A cumulative grade point average of 2.70 is required for the practicum semester.

Statistics, B.S.

The Bachelor of Science degree in statistics provides a variety of options for students wishing to study statistics. The program prepares graduates for careers as applied statisticians in government, business, and industry. Those students interested in further study beyond the bachelor's level may take coursework giving them the theoretical depth required to pursue graduate degrees. In recognition of the interdisciplinary nature of statistics, coursework in other disciplines such as biology, computing, data science, economics, environmental studies, or social sciences can be undertaken, depending on the student's interests.

Since statistical practice routinely involves computers, most courses incorporate standard statistical software.

Oral Requirement

To satisfy the oral requirement for the B.S. degree in Statistics a student must successfully complete STT 490, STT 498, or MAT 495.

Applied Learning Requirement

To satisfy the applied learning requirement for the B.S. degree in Statistics a student must successfully complete one or more of the following: STT 490, STT 498, or MAT 495.

Requirements for a Major in Statistics for the B.S. Degree

Mathematical Course Requirements (15 Credit Hours)

MAT 161 - Calculus with Analytical Geometry I

Calculus of a single variable intended for students in the mathematical and natural sciences. Functions and limits; differentiation with applications including maxima and minima, related rates, and approximations; theory

of integration with applications; and transcendental functions.

Credit Hours: 4

Prerequisite Courses: MAT 112 or MAT 160, or satisfactory performance on the UNCW mathematics placement test.
University Studies: Foundations/Mathematics and Statistics, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

MAT 162 - Calculus with Analytical Geometry II

The second course in a three-course sequence. Further techniques and applications of integration; infinite sequences and series; conic sections, parametrized curves and polar coordinates; and, elementary differential equations.

Credit Hours: 4

Prerequisite Courses: MAT 161.
University Studies: Foundations/Mathematics and

Statistics, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

MAT 261 - Multivariate Calculus

Calculus of functions of several variables. Vectors and analytic geometry of three dimensional space; partial derivatives, gradients, directional derivatives, maxima and minima; multiple integrals; line and surface integrals, Green's Theorem, Divergence Theorem, and Stokes' Theorem.

Credit Hours: 4

Prerequisite Courses: MAT 162
Course Repeatability: Course may not be repeated.

MAT 335 - Linear Algebra and Matrices

Systems of linear equations, vector spaces, algebra of matrices and linear transformations, determinants, eigenvalues and eigenvectors, applications.

Credit Hours: 3

Prerequisite Courses: MAT 161
Course Repeatability: Course may not be repeated.

Statistical Course Requirements (18 Credit Hours)

STT 215 - Introduction to Statistics

Methods of data collection; numerical and graphical analyses of univariate and bivariate data; axioms of probability; conditional probability; independence; distributions of random variables; introduction to confidence intervals and hypothesis testing; simple linear regression and correlation; use of statistical software to analyze data and simulate random variables.

Credit Hours: 3

University Studies: Foundations/Mathematics and Statistics
Course Repeatability: Course may not be repeated.

STT 305 - Statistical Programming

Introduction to statistical programming in SAS with emphasis on data step programming; applications to data management and report generation, simulation,

graphical and numerical analysis of univariate and multivariate data. Comparison of current statistical software.

Credit Hours: 3

Prerequisite Courses: STT 215
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

OR

STT 303 - R for Data Science

Introduction to data science with an overview of the basic techniques for making informed, data-driven decisions using the R statistical software. Students learn the basics of R programming and use it to visualize, wrangle, manipulate, and explore data of many types and sizes.

Prerequisite Courses: STT 215, or PSY 225, or BAN 280
Course Repeatability: Course may not be repeated.

OR

DSC 303 - R for Data Science

Introduction to data science with an overview of the basic techniques for making informed, data-driven decisions using the R statistical software. Students learn the basics of R programming and use it to visualize, wrangle, manipulate, and explore data of many types and sizes.

Prerequisite Courses: STT 215, or PSY 225, or BAN 280
Course Repeatability: Course may not be repeated.

STT 315 - Introduction to Probability

Introduction to calculus-based probability. Topics include: discrete and continuous random variables and probability distributions; mathematical expectation and variance; sampling distributions and the central limit theorem.

Credit Hours: 3

Prerequisite Courses: MAT 152 or MAT 162.
Course Repeatability: Course may not be repeated.

STT 411 - Design of Experiments and Analysis of Variance

Review of elementary statistics; design of experiments including completely randomized, randomized block, factorial, split-plot, and repeated measures designs; analysis of variance; non-parametric alternative methods of analysis. Statistical software packages will be used as appropriate in problem solving.

Credit Hours: 3

Additional Restrictions/Requirements: Any elementary statistics course.
Crosslisting: STT 511
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

STT 412 - Applied Regression and Correlation

Review of elementary statistics; linear and multiple regression; correlation. Statistical software packages used as appropriate in problem solving.

Credit Hours: 3

Prerequisite Courses: MAT 335
Additional Restrictions/Requirements: Any elementary statistics course.
Course Repeatability: Course may not be repeated.

STT 490 - Case Studies in Statistical Consulting

Review of case studies involving consulting with clients on statistical design of experiments and analysis of experimental and observational data; analysis of available data sets utilizing statistical software; presentation of oral and written reports on a consulting experience.

Credit Hours: 3

Additional Restrictions/Requirements: At least 9 hours of STT courses numbered 300 or higher and consent of instructor.
University Studies: Building Competencies/Writing Intensive, Building Competencies/Information Literacy, Explorations Beyond the Classroom, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

or

STT 498 - Internship in Statistics

Academic training and practical experience through work in a private company or public agency; presentation of oral report on internship experience. Faculty supervision and evaluation of all study and on-site activity.

Credit Hours: 3

Additional Restrictions/Requirements: Junior or senior standing, overall GPA of at least 2.50, GPA in STT courses at least 2.80, and at least 9 hours of STT courses numbered 300 or higher, and approval by faculty supervisor, department chair, and dean.
University Studies: Building Competencies/Writing Intensive, Building Competencies/Information Literacy, Explorations Beyond the Classroom, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

or

MAT 495 - Seminar in Mathematics

Reading, discussion, investigation, and preparation and presentation of reports on selected mathematical topics, under faculty supervision beyond the students' courses of study.

Credit Hours: 3

Additional Restrictions/Requirements: 9 semester hours of mathematics courses at the 300-400 level.
University Studies: Building Competencies/Writing Intensive, Building Competencies/Information Literacy, Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.

Elective Course Requirements (15 Credit Hours)

Three Courses Of

STT 350 - Survey Sampling

Elementary survey sampling on the design and analysis of sample surveys. Topics include design of questionnaires; methods of data collection; sample-

survey designs including simple random sampling, stratified sampling, cluster sampling, and systematic sampling; ratio and regression estimation; two-stage cluster sampling; sampling from wildlife populations; sources of errors.

Credit Hours: 3

Additional Restrictions/Requirements: An introductory statistics course from any department.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

STT 420 - Biostatistical Analysis

Review of statistical methods used in epidemiologic studies and clinical trials. Topics include measures of association, logistic regression, covariates, life tables and Cox regression. Statistical analysis using a statistical software.

Credit Hours: 3

Prerequisite Courses: STT 315
Additional Restrictions/Requirements: Prerequisite

course or consent of instructor.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

STT 425 - Categorical Data Analysis

Introduction to the analysis of qualitative data. Basic methods of summary and inference for two- and three-way contingency tables; introduction to the generalized linear model for binary and Poisson data; focus on multinomial responses (nominal and ordinal) and matched pairs data; statistical analysis using SAS.

Credit Hours: 3

Prerequisite Courses: STT 305
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Crosslisting: STT 525
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

STT 430 - Introduction to Non-Parametric Statistics

Theory and methods of non-parametric statistics in the one- and two-sample problems and their comparisons with standard parametric procedures. Non-parametric tests for comparing more than two samples; tests of randomness and independence.

Credit Hours: 3

Prerequisite Courses: STT 215
Additional Restrictions/Requirements: Prerequisite course and 3 hours of statistics at the 300 level.
Crosslisting: STT 530
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

STT 435 - Applied Multivariate Analysis

Matrix manipulations; multivariate normal distribution; inference for mean vector and covariance matrix; multivariate analysis of variance; principal components; canonical correlations; discriminant analysis; factor analysis; cluster analysis; statistical analysis using SAS.

Credit Hours: 3

Prerequisite Courses: STT 315 and STT 411 and STT 412
Crosslisting: STT 535
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

STT 450 - STT 450 - Statistical Machine Learning - Herman

Introduction to fundamental principles and applications of machine learning techniques. Topics include linear regression, classification, re-sampling methods, model selection, tree-based classification methods, and Support Vector Machines (SVM). Students learn how to analyze large/high-dimensional real-world application data to build effective machine learning systems using standard programming tools.

Credit Hours: 3

Prerequisite Courses: STT 215.
Additional Restrictions/Requirements: Prerequisite course and 3 hours of statistics or data science at the

300 level, or consent of instructor.
Course Repeatability: Course may not be repeated.

STT 460 - Statistical Deep Learning

Exploration of the synergy between deep learning and statistical learning principles emphasizing the integration of statistical foundations in the context of computer vision and pattern recognition applications, ensuring robust and interpretable outcomes. Provides practical experience in modeling high-dimensional real-world data, developing solutions that are predictive and grounded in statistical rigor.

Prerequisite Courses: STT 450
Course Repeatability: Course may not be repeated.

STT 465 - Applied Probability

The formulation, analysis and interpretation of probabilistic models. Selected topics in probability theory. Conditioning, Markov chains, and Poisson processes. Additional topics chosen from renewal theory, queuing theory, Gaussian processes, Brownian motion, and elementary stochastic differential equations.

Credit Hours: 3

Prerequisite Courses: MAT 261 and STT 315
Crosslisting: MAT 465, MAT 565, STT 565
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

STT 470 - Applied High Performance Computing (HPC) for Statistical Learning

Introduction to the foundational principles and techniques of high-performance computing (HPC) and its applications with statistical learning using large-scale real-world data. Includes parallel architectures, distributed computing, big data frameworks, and practical techniques essential for analyzing massive real-world applications.

Prerequisite Courses: STT 450
Course Repeatability: Course may not be repeated.

STT 475 - Topics in Statistics

Topics of current interest in statistics not covered in existing courses. May be repeated under a different

subtitle.

Credit Hours: 3

Additional Restrictions/Requirements: Senior standing or consent of instructor.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

And

- At least 6 hours of collateral coursework in a substantive area of statistical or mathematical theory or application, approved by the Department of Mathematics and Statistics. These courses may come from different disciplines and some must contain mathematical or statistical content. Any 300-400 level departmental classes (DSC, MAT, and STT prefixes) satisfy this requirement. Potential extra-departmental courses include BAN 300, BAN 301, BAN 302, BIO 335, CRM 301, CSC 380, ECN 377, ECN 477, FIN 335, FIN 336, PSY 417, PSY 425, and SOC 301.

Recommended Elective Courses Based on Interest

- Actuarial Science:

  MAT 381, MAT 468, and two additional STT electives.

  Consider additional coursework in mathematics and statistics.

- Biostatistics:

  STT 420, STT 425, STT 430, STT 450.

  Consider additional course work in biology, community health, computer science, data science, and/or public health.

- Data Science:

  DSC 301, DSC 302, STT 425, STT 450.

  Consider additional coursework in business analytics, computer science, economics,

mathematics, and/or statistics.

- Econometrics:

  ECN 377, ECN 477, STT 425, STT 450.

  Consider additional coursework in data science, economics, mathematics, and/or statistics.

- Mathematical Statistics:

  STT 566, STT 567, and two additional MAT or STT electives (requires graduate course eligibility).

  Consider additional coursework in mathematics and statistics.

Total Credit Hours: 48

Additional Information

An overall average of "C" 2.00 or better is required for all 300-400-level statistics courses counted toward the major.

Accompanying majors, minors, and certifications to consider: actuarial science, biology, coastal engineering, chemistry, computer science, data science, economics, environmental science, geology, mathematics, marine biology, public health, physics, and psychology.

Studio Art, B.A.

The Studio Art major offers a multidisciplinary view of current art practice. The Department emphasizes exposure to a range of media in small classes with individual attention. Through technical skill and creative thinking, students are encouraged to develop a personal, disciplined direction with an understanding of their place in art history and contemporary art. The curriculum provides studio experiences in drawing, painting, sculpture, ceramics, photography, printmaking and graphic design. Exhibiting artists in the Cultural Arts Gallery and visiting artists are a regular presence in the department and enhance student learning through lectures, collaborative projects and studio visits.

Requirements for a Major in Studio Art for the B.A. Degree:

Oral Communication Requirement:

To satisfy the oral communication requirement for the B.A. degree in Studio Art, a student must successfully complete an oral defense of their senior exhibit for studio art in ART 476.

Applied Learning Requirement:

To satisfy the applied learning requirement for the B.A. degree in Studio Art, a student must successfully complete ART 476.

Core Courses

ART 101 - Two-Dimensional Design

Study of the principles of two-dimensional design and introduction to color theory.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

ART 102 - Three Dimensional Design

Introduction to concepts of three-dimensional design. Focus on the elements, principles, and basic

construction of three dimensional form.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

ART 111 - Drawing Fundamentals

Fundamentals of drawing; investigation of processes and visual concepts with emphasis on charcoal.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

ART 211 - Beginning Life Drawing

Drawing from the model: structure, geometric form, and composition using various media: pencil, charcoal, India ink, etc.

Credit Hours: 3

Prerequisite Courses: ART 111
Additional Restrictions/Requirements: Prerequisite

course or consent of instructor.
Course Repeatability: Course may not be repeated.

ART 476 - Senior Exhibit

Topics include generating a coherent body of work; presentation solutions (matting, framing, pedestals, labels); writing an artist's statement and resume; curatorial decisions; promotion and installation of exhibition; discipline appropriate writing.

Credit Hours: 3

Additional Restrictions/Requirements: Senior standing, and course must be completed in the semester of graduation.
University Studies: Building Competencies/Writing Intensive, Building Competencies/Information Literacy, Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.

ARH 201 - Ancient Art and Archaeology

Introduction to the art and cultures of ancient Egypt, the Near East, and the Mediterranean. Emphasis on architecture, painting, sculpture, and objects of daily life

to inform the myths and histories of ancient civilizations connected to the broader Mediterranean basin.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives
Course Repeatability: Course may not be repeated.

ARH 202 - Medieval and Early Modern Art

Study of the major developments in global art, including painting, sculpture, and architecture from the late Medieval through the Early Modern period. Subject, style, formal qualities, patronage, significance, and the place of works of art in their respective religious, social, and political context.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives
Course Repeatability: Course may not be repeated.

ARH 204 - Art of the Modern World

Examination of major monuments, artists, and artistic developments from the 19th to the late 20th century, primarily in Europe and the Americas. Study of the relationship between works of art and the historical, political, religious, and philosophical context of the societies that produced and made use of them.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives
Course Repeatability: Course may not be repeated.

Total: 24 hours

Studio Electives

21 hours chosen from ART 200-400. At least 12 hours from ART 300-400.

Total: 21 hours

Art History Electives

Choose 3 hours from ARH 300-400.

Total: 3 hours

Total Credit Hours: 48

Additional Information:

No more than 3 hours of ART 491 or 3 hours of ART 498 may be counted toward the major.

A grade of C or better is required for each course counted toward the major.

To complete a double major in studio art and art history, the student must complete ARH 476 and 21 additional hours in Art History at the 300-400 level as specified in the Art History major.

Theatre, B.A.

Oral Communication Requirement:

To satisfy the oral communication requirement for the B.A. degree in Theatre with an option in performance a student must successfully complete THR 486. To satisfy the oral communication requirement for the B.A. degree in Theatre with an option in design and technology a student must successfully complete THR 487. To satisfy the oral communication requirement for the B.A. degree in Theatre with an option in theatre studies a student must successfully complete THR 355 or THR 486 or THR 487 or meet this requirement from another course.

Applied Learning Requirement:

To satisfy the applied learning requirement for the B.A. degree in Theatre a student must successfully complete THR 110.

Requirements for a Major in Theatre for the B.A. Degree:

Students must complete a core curriculum consisting of courses listed below. In addition, a student must complete one of the following options to fulfill degree requirements. In each option, a student must complete at least 18 hours of THR at the 300-400 level. Must

have 24 THR hours at UNCW or through an approved study abroad program.

Theatre Core (19 hours):

THR 110 - Introduction to Theatre Technology

Examination of current materials and techniques employed in technical production with an emphasis on scenery and lighting technology.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

THR 125 - Introduction to Design

Examines basic techniques, language, methods and practice employed in theatrical design. Three lecture and three lab hours per week concurrent with University Theatre production needs.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

THR 165 - Playscript Analysis for Production

The study of a diverse cross-cultural section of plays, analyzed through elements of the dramatic text including character, structure, style, language, genre, and theme as they are applied in production.

Credit Hours: 3

University Studies: Building Competencies/Writing Intensive, Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

THR 230 - Acting For Non-Majors

An introduction to basic acting techniques for non-majors.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

Or

THR 231 - Craft of Acting I - Self-discovery and Truth - Fundamental Techniques of Acting

Introductory level acting studio focused on the process of approaching a role. Script reading and analysis from the actor's perspective with specific attention given to circumstances and the world of the play. Concludes with the performance of a scene from a play. No prior acting experience required.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Major Restriction Theatre Majors Only
(preferred for Performance majors)

THR 242 - Production Studio I

Provides an introduction to the elements of technical theatre as practiced in production. Accomplished through securing and executing a position on the running crew of one of the two main stage productions or through active involvement in the mounting of our Mainstage productions.

Credit Hours: 1

University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 2 **Repeat Limit:** 1

THR 321 - A Social History of Western Theatre I

Development of theatre and drama from classical Greece through the Renaissance. Emphasis on theatrical performance including acting, staging, architecture, dramatic literature and audiences.

Credit Hours: 3

Prerequisite Courses: THR 165
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

Or

THR 322 - A Social History of Western Theatre II

Development of theatre and drama from the late Renaissance to World War II. Emphasis on theatrical performance including staging, architecture, dramatic

literature and audiences.

Credit Hours: 3

Prerequisite Courses: THR 165
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

1 of the following Theatre History/Literature classes: 3 hours

THR 309 - History of Fashion

Exploration of the changes in silhouette and fabrication of clothing from ancient Greece to today. Special emphasis on the social and cultural consequences of fashion in different societies.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

THR 321 - A Social History of Western Theatre I

Development of theatre and drama from classical Greece through the Renaissance. Emphasis on

theatrical performance including acting, staging, architecture, dramatic literature and audiences.

Credit Hours: 3

Prerequisite Courses: THR 165
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

THR 322 - A Social History of Western Theatre II

Development of theatre and drama from the late Renaissance to World War II. Emphasis on theatrical performance including staging, architecture, dramatic literature and audiences.

Credit Hours: 3

Prerequisite Courses: THR 165
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

THR 366 - Black American Theatre

Critical study of Black American theatre traditions and innovations from 1800 to present. May include various

writers, dramatists, and performers from across the African Diaspora.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in a Diverse Nation
Course Repeatability: Course may not be repeated.

THR 367 - Women in Theatre

Critical study of women and labor in the history of theatre and performance. Various texts studied may include primary source archival material, historical periodicals and newspapers, academic journals, and published biographies.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in a Diverse Nation
Course Repeatability: Course may not be repeated.

THR 368 - Contemporary British and Irish Dramatic Literature

Major playwrights and plays of representative British and Irish Drama after WW II.

Credit Hours: 3

University Studies: Building Competencies/Writing Intensive, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

THR 369 - The American Canon: Seminar in Dramatic Literature

This course provides a solid foundation in the major playwrights and playwriting trends of the American canon from the Golden Age (O'Neill, Williams, Miller and Albee) throught the most significant current plays and playwrights.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in a Diverse Nation, Building Competencies/Writing Intensive

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

THR 370 - Theories of Theatre and Performance

Study of various theatrical, philosophical and aesthetic bases of performance forms and styles from a variety of periods.

Credit Hours: 3

University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

Theatre Studies Option: 30 hours

This option allows students to develop individualized plans of study tailored to their specific academic and professional interests as well as career goals. This is the best approach for students who wish to combine multiple subject areas.

1 of the following: 3 hours

THR 316 - Playwriting I

Intensive and imaginative exploration of playwriting through various exercises designed to foster and challenge personal creativity, ensure aesthetic understanding and application, while advancing fundamentals of craft. Concludes with the creation of a ten-minute play, or short form play.

Credit Hours: 3

University Studies: Building Competencies/Writing Intensive
Crosslisting: CRW 316
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

THR 318 - Devising Theatre

Collaborative creation and presentation of an original performance based on a topic of cultural significance and student interest. Rather than write a dramatic script, students build a performance text. Sources of inspiration may include improvisation, music, dance, visual imagery, and electronic media.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

THR 355 - Directing I

Fundamental principles of directing with emphasis on one-act productions.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

THR 371 - Applied Dramaturgy

An intensive exploration of dramaturgy through various activities designed to build practical dramaturgy skills such as dramaturgical research, new play development, and audience outreach.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

THR 380 - Stage Management

The techniques used by professionals for the managment of theatrical and performance events. Students will learn organizational and leadership skills necessary for being sucessful stage managers.

Credit Hours: 3

Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 3

THR 381 - Theatre Management

An introduction to the theory and art of managment in the American theatre. Basic principles of business practices and relate them to theatre management. Examines the various types of theatre organizations and production methods.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

1 of the following Design: 3 hours

THR 305 - Scene Design I

An intermediate study of set design development and presentation building upon coursework begun in THR 125, and focusing specifically upon the art, history, methodology, and practice of theatrical design. 20 lab hours of applied experiential learning required.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

THR 306 - Light Design I

Basic techniques of lighting design. Includes fundamentals of lighting production techniques and equipment, and the use of color. Requires lab participation in University Theatre productions.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

THR 308 - Costume Design I

Principles of theatrical design applied to stage costume. Period play interpretation, figure drawing, color theory, and rendering techniques pursuant to developing an individual aesthetic and design style.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

THR 310 - Sound Design I

A study and application of the elements required for creating an acoustical landscape for theatrical productions. Topics include design, script analysis and research techniques to create sound designs.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

1 of the following Technology: 3 hours

THR 201 - Drafting for the Theatre

Graphic solutions used in set design including drawing of plans, sections, elevations, orthographic projection, and the perspective techniques.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

THR 202 - Rendering for Stage Design

Introduces students to the variety of techniques used to render designs for the stage. Students will learn to communicate their ideas visually through exercises in advanced perspective drawing, painting, costume plates, and model making.

Credit Hours: 3

Prerequisite Courses: THR 201
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

THR 205 - Stage Make-Up I

Theory and practice in the application of make-up for theatrical performances. Emphasizes make-up design theory used by the actor in his/her exploration of character. Requires crew participation in UNCW University Theatre productions.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

THR 207 - Costume Construction I

Introduction to sewing techniques, methods of construction, and equipment used with various costume components for the stage. Three lecture and three lab hours per week concurrent with University Theatre productions needs.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

THR 208 - Costume Crafts I

Introduction to a variety of craft and garment accessory construction techniques. Individual and departmental production projects.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

THR 211 - Introduction to CAD

A study of theatre drafting conventions and software-related techniques. Topics include line-use, dimensions, text, notation, and symbols for use in creating floor plans, elevations, shop drawings, pictorials, and lighting plots.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

THR 312 - Scene Painting

Beginning exercises with materials and tools used to paint stage settings and backdrops. Demonstrations

and projects in brush and non-brush techniques; layout; color mixing; and stencils. Practical projects include color blends; textures; brick and stone; interior and exterior woodwork, and marble. Requires involvement with University Theatre productions.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

THR 313 - Properties Design

Examine, explore and practice the theatre craft of properties design through analysis to fabrication, identification, acquisition or repurposing of existing props and materials. 20 hours of applied/experiential learning in a lab situation required.

Credit Hours: 3

Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6

THR 314 - Set Decorating

Students will develop, practice and demonstrate a strong working knowledge of the art and craft of theatrical and film set decoration through a series of practical and theoretical projects throughout the semester. 20 hours of applied/experiential learning in a lab situation required.

Credit Hours: 3

Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6

THR 325 - Stage Make-up II

Advanced stage make-up focusing on the principles of ventilating, prothestics,wig styling, character analysis and design. Detailed discussion of collaboration between the make-up artist, actor, costume designer, and director will also be included.

Credit Hours: 3

Prerequisite Courses: THR 205
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

THR 327 - Costume Construction II

Advanced costume construction to further the student's understanding, sewing, and patternmaking skills. Emphasis will be place on draping, couture sewing techniques, and detailed finishing of costumes. A two-hour lab per week is also required for completion of course.

Credit Hours: 3

Prerequisite Courses: THR 207
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 3

THR 328 - Puppetry – Design and Fabrication

Analysis of puppetry through the study of basic mechanical systems, sculpting, sewing and finishing techniques from conception to presentation. Introduction to puppet design, control and performance

through applied projects.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

THR 329 - Materials and Techniques

Advanced study of materials and techniques employed by professional technical designers.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

THR 330 - Audio Engineering I

Examination of current techniques employed by system engineers for creating, editing and recording sound effects for theatrical production.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

THR 412 - Production Design for Film

Examination of selected commercial films and art directors from various decades and genres that represent milestones in the history of Production Design. Development of practical design projects such as storyboards, color perspective rendering, 3D models and matte painting.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

THR 430 - Audio Engineering II

Examination of current techniques employed by system engineers regarding reinforcement techniques for live theatrical events. Emphasis will be on: microphone use for vocal and instrumental reinforcement in musical and non-musical situations, and the integration of system components (both digital and analog) into system designs for live production.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

1 of the following Theatre History/Literature: 3 hours (must be different from Core choices)

THR 309 - History of Fashion

Exploration of the changes in silhouette and fabrication of clothing from ancient Greece to today. Special emphasis on the social and cultural consequences of fashion in different societies.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

THR 366 - Black American Theatre

Critical study of Black American theatre traditions and innovations from 1800 to present. May include various writers, dramatists, and performers from across the African Diaspora.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in a Diverse Nation
Course Repeatability: Course may not be repeated.

THR 367 - Women in Theatre

Critical study of women and labor in the history of theatre and performance. Various texts studied may include primary source archival material, historical periodicals and newspapers, academic journals, and published biographies.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in a Diverse Nation
Course Repeatability: Course may not be repeated.

THR 368 - Contemporary British and Irish Dramatic Literature

Major playwrights and plays of representative British and Irish Drama after WW II.

Credit Hours: 3

University Studies: Building Competencies/Writing Intensive, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

THR 369 - The American Canon: Seminar in Dramatic Literature

This course provides a solid foundation in the major playwrights and playwriting trends of the American canon from the Golden Age (O'Neill, Williams, Miller and Albee) throught the most significant current plays and playwrights.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in a Diverse Nation, Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

THR 370 - Theories of Theatre and Performance

Study of various theatrical, philosophical and aesthetic bases of performance forms and styles from a variety of periods.

Credit Hours: 3

University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

Theatre Electives: 18 hours

18 additional hours of THR courses at the 200-400 level.
9 hours in related courses from other departments may be considered for Theatre electives 200-400 level in consultation with your advisor and approval of Chair.

Performance Option: 30 hours

This option offers students pre-professional training in stage and film performance which prepares them for a pluralistic range of outcomes including professional employment in theatre, film or television, future

advanced or graduate study, or skills leading to work in allied performance fields of interest.

1. To choose this option students must meet with Chair to discuss career goals and determine if performance option is best choice to meet those goals.
2. Audition for Faculty
3. Students in the performance option must apply to continue to stay in this option, in the Spring of their first year after completing THR 231, THR 301 and while enrolled in THR 302 and THR 332. The application form will be available online and sent to the Chair by March 1. Decisions will be made by March 20.
4. Fall semester (THR 231 & THR 301) & Spring semester (THR 302 & THR 332) concurrent in first year of study in this option. Must have B or better in each of these classes to continue in the performance option.

In addition to the core requirements, the student must complete the following.

THR 232 - Improvisation for Theatre Majors

An in-depth exploraton of spontaneous dramatic playing through intensive exercises and theatre games meant to generate greater individual freedom and self-discipline, as well as to employ improvisation techniques in acting to develop characterization, stage movement, and ensemble performance through the use of short form and long form improvisation.

Credit Hours: 3

Prerequisite Courses: THR 231
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

THR 301 - Physical and Vocal Expression for the Performer I

Prerequisite: Theatre major in the 'Performance' concentration or consent of instructor. Exploration of the body and voice as the primary tools of the actor's instrument. Identification of habitual practices such as physical tensions and manifestation of blocks will be addressed. Codified methodologies of vocal training for the actor will be introduced. Intended to initiate a lifelong process of opening the body as an instrument

for free expression of the voice and imagination.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

THR 302 - Physical and Vocal Expression for the Performer II

Continuation of the process of opening the body as an instrument for free expression of the voice and imagination. Exposure to working with heightened language, verse, Greek plays, and poetry.

Credit Hours: 3

Prerequisite Courses: THR 301 with a grade of B or better.
Course Repeatability: Course may not be repeated.

THR 318 - Devising Theatre

Collaborative creation and presentation of an original performance based on a topic of cultural significance and student interest. Rather than write a dramatic

script, students build a performance text. Sources of inspiration may include improvisation, music, dance, visual imagery, and electronic media.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

THR 332 - Craft of Acting II - Listening and Responding in the Moment

Study of acting techniques based on methodologies including those of Stanislavsky, Meisner, Donellan, and Hagen. In-depth exploration of contemporary realism and comedy scene study.

Credit Hours: 3

Prerequisite Courses: THR 230 (grade of B or better) or THR 231 (grade of B or better), or consent of instructor.
Course Repeatability: Course may not be repeated.
Major Restriction Theatre Major

THR 333 - Craft of Acting III - Advanced Scenework

Exploration of the foundations of performing including late 19th century realism, absurdism, existenialism, theatre of cruelty, and expressionism.

Credit Hours: 3

Prerequisite Courses: THR 301 with a grade of B or better and THR 332 with a grade of C or better.
Course Repeatability: Course may not be repeated.
Major Restriction Theatre Major only

THR 433 - Craft of Acting IV - Verse and Shakespeare

Focus on the performance of Shakespeare by understanding how Shakespearean writing flows from world-perception to response. Emphasis on poetic meter, language, and heightened language. Exploration of three-dimensional character development within the confines of Shakespearean verse.

Credit Hours: 3

Prerequisite Courses: THR 332 and THR 333, each with a grade of C or better.
Course Repeatability: Course may not be repeated.
Major Restriction Theatre Major

THR 486 - Senior Seminar: Performance

A comprehensive assessment of the performance student's experience and study as a theatre major in preparation for continued study or employment. Preparation of portfolio and scenes.

Credit Hours: 3

Additional Restrictions/Requirements: Senior standing in theatre.
University Studies: Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

2 of the following courses: 6 hours

THR 334 - Audition Techniques for Stage and Film

Designed to apply the skill set acquired during acting study to typical industry casting opportunities. Four auditioning contexts: theatrical, commercial, film, and television. Students are presented with actual scripts and scenes used in entertainment industry situations. Auditions are taped for instructor, student, and peer critique. Upon successful completion, students gain understanding of the audition process, including presentation of self in an appropriate, professional manner.

Credit Hours: 3

Prerequisite Courses: THR 332
Additional Restrictions/Requirements: Prerequisite course or consent of instructor. Junior or senior theatre majors only.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

THR 335 - Acting for the Camera

Exploration of acting techniques particular to the mediums of film and video.

Credit Hours: 3

Prerequisite Courses: THR 230 or THR 231 or THR 332 or consent of instructor.
Crosslisting: FST 335
Course Repeatability: Course may not be repeated.
Additional Course Fees: NoneAdditional Course Fee Schedule

THR 336 - Shakespeare and Autism

An ensemble based intra-disciplinary and cross-disciplinary theatre performance course. The course provides students enrolled in the course with the training needed to offer interactive Shakespeare-based drama workshops to children from the community who have been diagnosed with autism spectrum disorder (ASD).

Credit Hours: 3

Additional Restrictions/Requirements: Consent of

instructor.
University Studies: Approaches and Perspectives/Living in a Diverse Nation
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

THR 355 - Directing I

Fundamental principles of directing with emphasis on one-act productions.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

THR 380 - Stage Management

The techniques used by professionals for the managment of theatrical and performance events. Students will learn organizational and leadership skills necessary for being sucessful stage managers.

Credit Hours: 3

Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 3

THR 395 - Applied Studies in Theatre

A broad study of topics within the theatre discipline, such as advanced design and technology, history of theatrical design, dramatic criticism, advanced directing, advanced playwriting, and stage management. May be repeated under a different subtitles.

Credit Hours: 3

Prerequisite Courses: THR 165
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

THR 401 - Advanced Movement

Advanced movement techniques and skills for actors including armed and unarmed combat, basic stuntwork, circus skills and viewpoints. Period style courtesies such as Commedia dell'arte appropriate for the stage or camera.

Credit Hours: 3

Additional Restrictions/Requirements: Consent of instructor.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

THR 402 - Advanced Voice

Advanced technical vocal skills for actors including dialects for the stage expressed in the world canon of literature and performance. Advanced application of the International Phonetic Alphabet and vocal production will be explored.

Credit Hours: 3

Prerequisite Courses: THR 301 and THR 302
Additional Restrictions/Requirements: Theatre major. Consent of instructor.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

THR 432 - Acting Technique: Jacobean Theatre

Extends the training from Acting III into Jacobean playwrights. Creating a process for a deeper understanding of working with classical text is a central focus.

Credit Hours: 3

Prerequisite Courses: THR 333
Additional Restrictions/Requirements: Prerequisite course and consent of instructor.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

THR 435 - Acting for the Camera II

Expands upon the foundations learned in Acting for the Camera I with greater emphasis on character development, advanced acting technique for camera, and being able to provide honest performances in an on-demand setting. In-depth work with emotion and physicality will be explored.

Credit Hours: 3

Prerequisite Courses: THR 335

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

THR 455 - Directing II

Advanced techniques in the direction of plays for the stage.

Credit Hours: 3

Prerequisite Courses: THR 355
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

THR 495 - Theatre Seminars

Consideration of special subjects not covered in regular course offerings. More than one topic may be taken for credit.

Credit Hours: 1 To 3

Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

Design and Technology Option (30 hours):

Students in the production design and technology option will develop the knowledge of all aspects of design including scenic, costume, lighting and sound as well as gain the skill sets to create and realize their work. They will be given the opportunity to collaborate on productions with the assistance of the faculty.

To choose this option students must meet with Chair to discuss career goals and determine if design and technology option is best choice to meet those goals.

In addition to the core requirements, the student must complete:

Design and Technology Core: 6 hours

THR 242 - Production Studio I

Provides an introduction to the elements of technical theatre as practiced in production. Accomplished through securing and executing a position on the running crew of one of the two main stage productions or through active involvement in the mounting of our Mainstage productions.

Credit Hours: 1

University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 2 **Repeat Limit:** 1

THR 242 (1hour) must be taken again in addition to the THR 242 core requirement.

THR 251 - Production Studio II

An advanced study in mounting theatrical productions. Focuses on elements of the technical process and how it is integrated with the other collaborative elements into production. Students enrolled in this course will take a managerial role through the supervision of beginning lab level students.

Credit Hours: 2

Prerequisite Courses: THR 242
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 2

THR 487 - Senior Seminar: Design and Technology

A comprehensive assessment and synthesis of the design/tech student's four-year experience as a theatre major in preparation for employment or continued study. Development of resumand career goals strategy, organization and formatting of portfolio materials, presentation exercises, and a study of interview and workplace issues.

Credit Hours: 3

Additional Restrictions/Requirements: Senior standing in theatre.
University Studies: Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

1 of the following Design courses: 3 hours

THR 305 - Scene Design I

An intermediate study of set design development and presentation building upon coursework begun in THR 125, and focusing specifically upon the art, history, methodology, and practice of theatrical design. 20 lab hours of applied experiential learning required.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

THR 306 - Light Design I

Basic techniques of lighting design. Includes fundamentals of lighting production techniques and equipment, and the use of color. Requires lab participation in University Theatre productions.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

THR 308 - Costume Design I

Principles of theatrical design applied to stage costume. Period play interpretation, figure drawing, color theory, and rendering techniques pursuant to developing an individual aesthetic and design style.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

THR 310 - Sound Design I

A study and application of the elements required for creating an acoustical landscape for theatrical productions. Topics include design, script analysis and research techniques to create sound designs.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

6 of the following courses: 18 hours in consultation with Theatre advisor

THR 201 - Drafting for the Theatre

Graphic solutions used in set design including drawing of plans, sections, elevations, orthographic projection, and the perspective techniques.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

THR 202 - Rendering for Stage Design

Introduces students to the variety of techniques used to render designs for the stage. Students will learn to communicate their ideas visually through exercises in advanced perspective drawing, painting, costume plates, and model making.

Credit Hours: 3

Prerequisite Courses: THR 201
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

THR 205 - Stage Make-Up I

Theory and practice in the application of make-up for theatrical performances. Emphasizes make-up design theory used by the actor in his/her exploration of character. Requires crew participation in UNCW University Theatre productions.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

THR 207 - Costume Construction I

Introduction to sewing techniques, methods of construction, and equipment used with various costume components for the stage. Three lecture and three lab hours per week concurrent with University Theatre productions needs.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

THR 208 - Costume Crafts I

Introduction to a variety of craft and garment accessory construction techniques. Individual and departmental production projects.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

THR 211 - Introduction to CAD

A study of theatre drafting conventions and software-related techniques. Topics include line-use, dimensions, text, notation, and symbols for use in creating floor plans, elevations, shop drawings, pictorials, and lighting plots.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

THR 295 - Topics in Theatre

A broad study of a topic within the theatre discipline, such as history of theatrical design, dramatic theory. Commedia dell Arte. Content will be geared to the student with a general understanding of theatre. May be repeated under a different subtitle.

Credit Hours: 3

Prerequisite Courses: THR 165
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6

THR 305 - Scene Design I

An intermediate study of set design development and presentation building upon coursework begun in THR 125, and focusing specifically upon the art, history, methodology, and practice of theatrical design. 20 lab hours of applied experiential learning required.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

THR 306 - Light Design I

Basic techniques of lighting design. Includes fundamentals of lighting production techniques and equipment, and the use of color. Requires lab participation in University Theatre productions.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

THR 308 - Costume Design I

Principles of theatrical design applied to stage costume. Period play interpretation, figure drawing, color theory, and rendering techniques pursuant to developing an individual aesthetic and design style.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

THR 309 - History of Fashion

Exploration of the changes in silhouette and fabrication of clothing from ancient Greece to today. Special emphasis on the social and cultural consequences of fashion in different societies.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

THR 310 - Sound Design I

A study and application of the elements required for creating an acoustical landscape for theatrical productions. Topics include design, script analysis and research techniques to create sound designs.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

THR 312 - Scene Painting

Beginning exercises with materials and tools used to paint stage settings and backdrops. Demonstrations and projects in brush and non-brush techniques; layout; color mixing; and stencils. Practical projects include color blends; textures; brick and stone; interior and exterior woodwork, and marble. Requires involvement with University Theatre productions.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

THR 313 - Properties Design

Examine, explore and practice the theatre craft of properties design through analysis to fabrication, identification, acquisition or repurposing of existing props and materials. 20 hours of applied/experiential learning in a lab situation required.

Credit Hours: 3

Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6

THR 314 - Set Decorating

Students will develop, practice and demonstrate a strong working knowledge of the art and craft of theatrical and film set decoration through a series of practical and theoretical projects throughout the semester. 20 hours of applied/experiential learning in a lab situation required.

Credit Hours: 3

Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6

THR 325 - Stage Make-up II

Advanced stage make-up focusing on the principles of ventilating, prothestics,wig styling, character analysis and design. Detailed discussion of collaboration between the make-up artist, actor, costume designer, and director will also be included.

Credit Hours: 3

Prerequisite Courses: THR 205
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

THR 327 - Costume Construction II

Advanced costume construction to further the student's understanding, sewing, and patternmaking skills. Emphasis will be place on draping, couture sewing

techniques, and detailed finishing of costumes. A two-hour lab per week is also required for completion of course.

Credit Hours: 3

Prerequisite Courses: THR 207
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 3

THR 328 - Puppetry – Design and Fabrication

Analysis of puppetry through the study of basic mechanical systems, sculpting, sewing and finishing techniques from conception to presentation. Introduction to puppet design, control and performance through applied projects.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

THR 329 - Materials and Techniques

Advanced study of materials and techniques employed by professional technical designers.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

THR 330 - Audio Engineering I

Examination of current techniques employed by system engineers for creating, editing and recording sound effects for theatrical production.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

THR 380 - Stage Management

The techniques used by professionals for the managment of theatrical and performance events. Students will learn organizational and leadership skills necessary for being sucessful stage managers.

Credit Hours: 3

Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 3

THR 381 - Theatre Management

An introduction to the theory and art of managment in the American theatre. Basic principles of business practices and relate them to theatre management. Examines the various types of theatre organizations and production methods.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

THR 395 - Applied Studies in Theatre

A broad study of topics within the theatre discipline, such as advanced design and technology, history of theatrical design, dramatic criticism, advanced directing, advanced playwriting, and stage management. May be repeated under a different subtitles.

Credit Hours: 3

Prerequisite Courses: THR 165
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

THR 405 - Scene Design II

Expand upon the study and practice of scene design, challenging the studients to explore and create for the demands of larger scale productions, including multi-set dramas, musical theatre and opera.

Credit Hours: 3

Prerequisite Courses: THR 305
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

THR 406 - Lighting Design II

Provides hands-on lighting and design experience in the light lab. Includes a variety of projects that will expand the student's abilitiy to ""look at light"" and to develop an eye as a designer. This course includes lab

work on university productions.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

THR 408 - Costume Design II

Designed to further the student's understanding of historical period details, figure drawing, and color theory. Emphasis will be placed on rendering techniques, script analysis, and character interpretation. The students will also improve on their sewing and patterning techniques to create actualized costumes.

Credit Hours: 3

Prerequisite Courses: THR 207 and THR 308
Additional Restrictions/Requirements: Prerequisite courses or consent of instructor.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

THR 410 - Sound Design II

Advanced study of sound design within a project-based course. Students will submit production concept statments and recordings for the production in a quality format. Special focus will be on original composition for theatrical production. All work will be formally submitted for evaluation.

Credit Hours: 3

Prerequisite Courses: THR 310
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

THR 411 - Three-Dimensional Computer Modeling

A study of software to develop models of scene designs for the stage. Topics include shape and texture generation; light handling; rendering; scanning; and output.

Credit Hours: 3

Prerequisite Courses: THR 211

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

THR 412 Production Design **Credits / Units:** 3

THR 430 - Audio Engineering II

Examination of current techniques employed by system engineers regarding reinforcement techniques for live theatrical events. Emphasis will be on: microphone use for vocal and instrumental reinforcement in musical and non-musical situations, and the integration of system components (both digital and analog) into system designs for live production.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

THR 495 - Theatre Seminars

Consideration of special subjects not covered in regular course offerings. More than one topic may be taken for credit.

Credit Hours: 1 To 3

Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

Theatre Elective: 3 hours

- Additional 3 hours of Theatre courses at the 200 - 400 level.

Total 49 hours:

Additional Information:

A "C" (2.00) is required in each course counted toward the major unless noted otherwise.

Double Majors: Students who have selected a primary major in another discipline should request from the Department of Theatre chair an advisor from the option area they have selected.

Tourism, Recreation, and Sport, B.A.

http://www.uncw.edu/shahs/academic/recreationsporttourism.html

The Mission of the Tourism, Recreation and Sport baccalaureate program is to provide students with a comprehensive educational and practical

experience thereby producing exemplary, competent and ethical professionals qualified to work and lead in the leisure industry and make positive contributions in their community. Graduates from this program serve as qualified professionals providing leisure opportunities and experiences for individuals from all walks of life to enhance their overall health, well-being and quality of life. The program faculty are highly qualified, experienced and committed to student success. The program curriculum meets the highest standards of academic rigor, professionalism and ethical conduct. Students enrolled in the program participate in faculty research, international and domestic travel opportunities and experiential, applied and service learning experiences. The program's core values are honesty, ethical behavior, innovation, creativity, responsibility and engagement. The program's tourism, hospitality and events concentration prepares students to work for travel agencies, cruise ships, convention and visitor centers, theme parks, event planning agencies, resorts and other tourism, hospitality and event planning organizations. The program's sport and recreation concentration prepares students to work in university campus recreation and intramurals, YMCA

athletic programming, sport athletic associations and other public and non-profit organizations.

Computer Requirement:

To satisfy the computer requirement for the B.A. degree in Tourism, Recreation, and Sport a student must successfully complete REC 359.

Oral Communication Requirement:

To satisfy the oral communication requirement for the B.A. degree in Tourism, Recreation, and Sport a student must successfully complete REC 380.

Requirements for a Major in Tourism, Recreation and Sport for the B.A. Degree:

Core Courses (46 hours):

REC 265 - Leisure and Society

An introduction to leisure as a significant force in contemporary life. The importance of leisure for individuals, groups and cultures is explored through social, technological, psychological, historical, philosophical, anthropological, and economic foundations.

Credit Hours: 3

Additional Restrictions/Requirements: Open to REC majors and minors or consent of instructor.
University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

REC 270 - Program Planning and Leadership

An introduction to recreation program planning, including: needs assessments, organization, implementation, and evaluation of leisure services.

Credit Hours: 3

Additional Restrictions/Requirements: Appropriate major or minor, or consent of instructor.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

REC 303 - Recreation for Everyone

This course explores the various social and cultural factors that shape the management and operation of recreation, sport, and tourism organizations. Students will examine topics such as social identities, bias, common terminology, and the dynamics of power and influence within organizations and communities. Through discussions and case studies, the course will encourage students to develop a broader perspective on workplace and community interactions while enhancing their ability to work effectively with all individuals.

Credit Hours: 3

Prerequisite Courses: REC 265 and REC 270.
Additional Restrictions/Requirements: REC majors and minors only or permission of instructor.
University Studies: Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.

REC 330 - Excellence in Service Quality

Principles of managing and delivering excellent service quality tourism, hospitality, and recreational

organizations or agencies. Emphasis on how to design a service plan, formulate service design, develop a service culture, and organize service delivery and recovery.

Credit Hours: 3

Prerequisite Courses: REC 375
Additional Restrictions/Requirements: REC majors and minors only or by permission of instructor.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

REC 348 - Practicum in Recreation Services

Supervised practicum in a recreation setting. Relates theory to practical application in the field. Placements chosen from community, commercial, outdoors or therapeutic settings. Requires a minimum of 100 hours of field work.

Credit Hours: 3

Prerequisite Courses: REC 265 and (REC 270 or RTH 368)

Additional Restrictions/Requirements: REC majors and minors only or permission of instructor.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

REC 359 - Research and Evaluation in Tourism, Recreation, and Sport

Designed to familiarize students with fundamental principles underlying research methods. Included are basic procedures for conducting experimental, descriptive, historical, qualitative research, computer applications, basic measurement, statistical methods, critical thinking, and scholarly writing.

Credit Hours: 3

Prerequisite Courses: REC 265.
University Studies: Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

REC 372 - Foundations of Public, Nonprofit, & Community Recreation

Compare and contrast philosophical perspectives of public, non-profit and community recreational management, investigate resource allocations, discuss the historical relevance of each sector, investigate social, environmental, and economic trends within each sector, and introduce professional organizations at all levels.

Credit Hours: 3

Prerequisite Courses: REC 265, REC 270.
Course Repeatability: Course may not be repeated.
Major Restriction REC

REC 375 - Leadership and Management in Tourism, Recreation, and Sport

Principles and practices of contemporary leisure service management, particularly the effective and efficient management of human, fiscal, informational, and physical resources through planning, organizing, directing, leading, and controlling decisions. Tutorials, case studies, and computer applications.

Credit Hours: 3

Prerequisite Courses: REC 265 and REC 270.
Additional Restrictions/Requirements: REC majors and minors only or permission of instructor.
University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

REC 380 - Marketing for Tourism, Recreation, and Sport

Development of marketing plans and strategies for recreation, sport and tourism industries. Emphasis on analyzing the marketing process and planning the marketing mix.

Credit Hours: 3

Additional Restrictions/Requirements: REC majors and minors only or permission of instructor.
University Studies: Building Competencies/Information Literacy

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

REC 390 - Pre-Internship Seminar

Preparation for the internship experience with emphasis on development of professional behaviors that facilitate internship and career success. Instruction methods include readings, discussions, individual and group activities, and use of electronic media.

Credit Hours: 1

Additional Restrictions/Requirements: Junior and senior standing, REC majors only, or consent of instructor.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 1

REC 440 - Risk Management and Liability in Recreation Services

Examination of legal and legislative issues affecting the leisure delivery system in governmental, quasi-public, private, commercial, and institutional settings. Topics include terminology, risk management procedures,

ordinances, regulatory law, licensing, legal redress, and constitutional law at the national and state levels.

Credit Hours: 3

Prerequisite Courses: REC 375
Additional Restrictions/Requirements: REC majors and minors only or permission of instructor.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

REC 476 - Budgeting and Finance in Tourism, Recreation, and Sport

This course investigates basic economic principles behind managing finances and budgets in recreation, sport and tourism settings. Particular attention will be applied to revenue generation, specifically via grant writing, and creating and managing budgets.

Credit Hours: 3

Prerequisite Courses: REC 375.
Additional Restrictions/Requirements: REC majors and minors only or consent of instructor.

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

REC 498 - Internship in Tourism, Recreation, and Sport

Program planning and administration in a tourism, recreation, and sport setting. A minimum of 480 hours and 12 consecutive weeks of fieldwork are required.

Credit Hours: 12

Additional Restrictions/Requirements: REC major, senior standing and an overall 2.00 grade point average, completion of all other courses required for the major, and consent of instructor, school director and college dean.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12
Additional Course Fees: Additional Fee - Liability InsuranceAdditional Course Fee Schedule

Students must select one of the following options (18 hours):

Tourism, Hospitality and Events Option:

All students are required to complete:

REC 381 - Meetings, Expositions, Special Events and Conventions

An overview of the convention, exposition, meeting, and convention and visitors bureau industries and the career options within; provision of an essential understanding of the components involved in the operation of successful meetings, conventions, and special events.

Credit Hours: 3

Additional Restrictions/Requirements: REC majors and minors only or permission of instructor.
Course Repeatability: Course may not be repeated.
Major Restriction REC**Minor Restriction** REC

REC 451 - Travel and Tourism

A description of the key components that make a global tourism designation a success: traveler's motivation, theories of behavior, planning, development, and

forecasting supply and demand. Students also learn about the delicate and sensitive relationship tourism has with its surrounding social, natural, and coastal environment.

Credit Hours: 3

Prerequisite Courses: REC 375
Additional Restrictions/Requirements: REC majors and minors only or permission of instructor.
University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

REC 452 - Hospitality Management Operations

Analysis and evaluation of the operations behind management within the tourism and hospitality industries, specifically within food and beverage, transportation providers, attractions, tour operators and specialized tour segments such as the cruise industry and gaming.

Credit Hours: 3

Additional Restrictions/Requirements: Open only to students in the REC major and minor or with permission of instructor.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

REC 453 - Hotel and Lodging Management

Decision making, analysis and process improvement in managing the major divisions of a lodging establishment.

Credit Hours: 3

Prerequisite Courses: REC 375
Additional Restrictions/Requirements: REC majors and minors only or permission of instructor.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

- 6 additional hours of support courses that must be approved by major advisor.

Sport and Recreation Option:

All students are required to complete:

REC 391 - Sport, Culture and Society

An examination of the role of sport in contemporary American society, and how sport is linked to the structure and dynamics of social organizations. The impact of sports on culture, specifically: values, ethics, race, gender, discrimination, economics and the media will be studied.

Credit Hours: 3

Prerequisite Courses: REC 265
Additional Restrictions/Requirements: Open only to students within the REC major and minor or by permission of instructor.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

REC 393 - Campus Recreation and Sports Administration

Introduction to the multi-faceted recreational offerings provided by campus recreation departments, including planning, programming, administration, and the function of campus recreation. Field work required.

Credit Hours: 3

Prerequisite Courses: REC 265
Additional Restrictions/Requirements: REC majors and minors only or by permission of instructor.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

REC 394 - Recreational Sports and Fitness Facility Operations

Examination of key issues in recreational facility organization and management including facility operation, administration, and program promotion within a facility. Emphasis on supervision, maintenance, and operation of leisure areas and facilities. Field work required.

Credit Hours: 3

Prerequisite Courses: REC 265
Additional Restrictions/Requirements: REC majors and minors only or by permission of instructor.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

REC 396 - Leisure, Health, and Wellbeing

Examination of how recreation, parks and leisure contribute to the health and wellbeing of individuals, families, communities, and societies.

Credit Hours: 3

Prerequisite Courses: REC 265, REC 270.
Additional Restrictions/Requirements: Restricted to REC majors.
Course Repeatability: Course may not be repeated.
Major Restriction REC

REC 397 - Collegiate and Professional Sport Management

This course serves as an overview to the field of sport management and provides an opportunity for the exploration of effective management strategies and the body of knowledge associated with pursuing a career in sport management, specifically within professional and collegiate sport settings. Content will focus on the history, leadership, marketing, facility and event management, and financial principles within professional and collegiate sport. Additionally, topics

specific to professional sport will cover communications, analytics, sales, sponsorships and licensing, while collegiate sport concepts will focus on governing bodies, compliance and Title IX, academics and eligibility, media relations, alumni relations and support services.

Credit Hours: 3

Prerequisite Courses: REC 265, REC 270.
Additional Restrictions/Requirements: Restricted to REC majors.
Course Repeatability: Course may not be repeated.
Major Restriction REC

3 hours of support courses that must be approved by major advisor.

Total Credit Hours: 64

Additional Information:

A "C" (2.00) grade point average or better is required among all courses used to satisfy the recreation, sport leadership, and tourism management major and a "C" grade or better is required in each required recreation,

sport leadership, and tourism management (REC) course counted toward the major.

Workforce Learning and Development, B.S.

The Bachelor of Science in Workforce Learning & Development is a flexible, accelerated online program designed for working individuals. If you are passionate about training and developing adult learners in the corporate sector, community college education, government agencies, or military, this major is perfect for you. Throughout this program, you will develop the knowledge and skills needed to design, develop, manage, deliver, and evaluate training programs to help your organization build a more skilled workforce. Graduates will be able to:

- Examine current and future trends and practices in workforce learning and development.
- Develop creative thinking, problem-solving, project management, communication, and leadership skills.
- Build and facilitate effective training programs and professional development initiatives.

Requirements for a Major in Workforce Learning and Development

Oral Communication Requirement

To satisfy the oral communication requirement for the B.S. degree in WorkforceLearning & Development a student must successfully complete WLD 480.

Core Requirements (39 Credit Hours)

All candidates for the B.S. degree must complete the following core requirements:

STT 215 - Introduction to Statistics

Methods of data collection; numerical and graphical analyses of univariate and bivariate data; axioms of probability; conditional probability; independence; distributions of random variables; introduction to confidence intervals and hypothesis testing; simple linear regression and correlation; use of statistical software to analyze data and simulate random variables.

Credit Hours: 3

University Studies: Foundations/Mathematics and Statistics
Course Repeatability: Course may not be repeated.

WLD 300 - Effective Communication in Workforce Learning Development

This course is designed to provide a foundation in effective written and oral communication techniques for workforce training and development professionals that introduces associated theories and practical applications of those theories such as formation of job aides, resumes, e-mail, social media, memoranda, letters, applying for grants, proposals, and reports. Nonverbal and intercultural communications are emphasized.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

WLD 310 - Global Organizational Learning & Development

Designed to develop an appreciation for the abilities, insights, and ideas of all individuals. Emphasis will be

on working effectively with diverse populations, recognizing the need to address format, availability, styles, abilities, motivations, and/or backgrounds when providing learning and development solutions across and within borders and cultures.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

WLD 315 - Foundations of Adult and Workforce Education

Designed to investigate historical, economic, psychological, and education foundations of post-secondary, vocational, adult training and re-training, and workforce learning programs. Will address who participates in workforce education, why they participate, and how andragogy influences the delivery of workforce education.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.

WLD 330 - Instructional Strategies for Workforce Learning & Development

Designed to develop knowledge of adult learning theories and concepts and their application to the instructional process/strategies with adults**.** Understand andragogy, strategies, materials, implementation, and delivery of learning activities with adults**.**

Credit Hours: 3

Course Repeatability: Course may not be repeated.

WLD 335 - Diverse Learners in the Workforce

Designed to effectively explore, recognize, and understand diversity in work settings and how that understanding is used to meet the unique learning needs and identify the opportunities for collaborative efforts.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in a Diverse Nation
Course Repeatability: Course may not be repeated.

WLD 340 - Introduction to Organizational Development

Designed to develop an understanding of the practices used to diagnose organizational needs and subsequent organization interventions and improvements within the workforce.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

WLD 375 - Principles of Adult and Workforce Learning and Development

Designed to explore basic theories of adult learning and instruction as they relate to the learner, the workplace and the social context. Develop an understanding of basic adult learning and instruction principles including design and delivery of education.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

WLD 380 - L&D Program Development

Designed to develop a systematic approach to assessing employment and training needs, developing curriculum, assessing organizational and community-based resource needs and measuring impact.

Credit Hours: 3

University Studies: Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

WLD 400 - Principles of Instructional Design

Designed to provide an analysis of theoretical foundations of instructional design and application in design practice. The course will examine multidisciplinary and multicultural influences upon instructional theory and development. A broad range of current design research and theory and future

directions in design theory and practice will be explored.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

WLD 401 - Motivation in Workforce Learning & Development

Reviews and analyzes theories of motivation in relation to instructional design strategies. The primary emphasis is on the motivation to learn and techniques for stimulating and sustaining learner motivation.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

WLD 405 - Fundamentals of Learning in Workforce Learning & Development

Exploration of the workplace as a learning environment, with a focus on the social and political dynamics of diverse learners and workplace learning communities.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

WLD 480 - WLD Capstone

Designed to provide students opportunities to investigate problems in workforce learning and development through an on-site experience. Special approval needed from the instructor. Restricted to Workforce Learning and Development majors.

Credit Hours: 3

Additional Restrictions/Requirements: instructor approval.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.
Major Restriction Workforce Learning and Development

Electives (30 Credit Hours)

At least 30 hours from the following courses:

LED 211 - Principles of Leadership

Introduction to leadership. Study of leadership theories, styles, and strategies. Emphasis on developing leadership skills in a variety of settings.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.

LED 311 - Communication and Leadership

Theory and practice of leadership. Focuses on issues of cohesiveness, trust, motivation, vision, and goals. Development of conflict management and decision-making goals.

Credit Hours: 3

Prerequisite Courses: LED 211
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

LED 411 - Contemporary Leadership Applications

Concepts related to leadership. Ability to envision and implement change for the common good using diverse perspectives and contexts. Applies leadership and organizational theories through real world experience and contemporary issues.

Credit Hours: 3

Prerequisite Courses: LED 311
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

MKT 340 - Principles of Marketing

Introduction to the concepts, activities and decisions that relate to the marketing function in domestic and international business. Focus on development and implementation of marketing strategies through the use of marketing mix variables of product, price, distribution, and promotion.

Credit Hours: 3

Additional Restrictions/Requirements: Sophomore standing or admission to the Cameron School of Business.
Course Repeatability: Course may not be repeated.

SCM 370 - Principles of Operations Management

This course provides a study of the drivers of quality, customer satisfaction, efficiency and productivity in service and manufacturing enterprises. Topics include product and service design, forecasting, quality management, facility location and layout, materials management, scheduling, project management, and supply chain management. While topics are covered for both manufacturing and service operations, attention is directed to the study and analysis of the operations management function in service enterprises.

Credit Hours: 3

Prerequisite or Corequisite Courses: BAN 280 or STT 215
University Studies: Building Competencies/Information Literacy

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SCM 372 - Service Operations Management

Study of the tools necessary to effectively manage a service organization. Particular attention will be paid to subtle relationships among the systems, strategy, and technology that define service delivery systems and their implications for customer satisfaction and profitability. Topics include service strategy and market position, role of the information resource, the service delivery system, service facility location, service quality, and managing supply and demand.

Credit Hours: 3

Prerequisite Courses: SCM 370
Additional Restrictions/Requirements: Prerequisite course and admission to Cameron School of Business.
University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SCM 472 - Project Management

This course introduces the fundamentals of project management, beginning with project definition and culminating in the post-project review. Students will learn techniques, terms and guidelines that are used to manage costs, schedules, risk, group dynamics and technical aspects throughout the life cycle of the project.

Credit Hours: 3

Prerequisite Courses: SCM 370
Additional Restrictions/Requirements: Prerequisite course and admission to Cameron School of Business.
University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 486 - Sociology of Work and Occupations

Analysis of the place of work in society. Examines occupational structures as the primary link between persons and the larger society. Topics include the growth and development of occupational structure, occupations and technological change, and

organizational complexity.

Credit Hours: 3

Prerequisite Courses: SOC 105
Additional Restrictions/Requirements: Prerequisite course and three additional hours in sociology or economics.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

WLD 305 - Emotional Intelligence in Training and Development

Designed to investigate the role of emotional intelligence for understanding, assessing, and regulating your emotions, interpreting the verbal and nonverbal behavior of learners, and adjusting behavior and instruction in relation to learners.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

WLD 325 - Facilitation and Presentation in Learning & Development

Designed to research and discover effective facilitation skills in adult education and workplace environs, including the nature of groups, group dynamics, effective planning, role clarification, identifying intervention points, & effective tools and techniques useful in building consensus around a topic, using effective questioning skills to guide participants toward action, and developing effective methods for addressing conflicts among participants.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

WLD 359 - Work Experience in Workforce Learning & Development

Credit granted for past work experience in the area of workforce learning and development while employed in business & industry, non-profit, government service, or military organizations. Students will be required to develop a portfolio of their experiences. Instructor approval needed.

Credit Hours: 1 To 12

Additional Restrictions/Requirements: Instructor approval.
Course Repeatability: Course may not be repeated.

WLD 391 - Occupational Learning & Development

Credit granted for past professional development in the area of workforce learning and development while employed in business & industry, non-profit, government service, or military organizations. Students will be required to develop a portfolio of experiences. Instructor approval required.

Credit Hours: 1 To 12

Additional Restrictions/Requirements: Instructor approval.
Course Repeatability: Course may not be repeated.
Major Restriction Workforce Learning and Development

WLD 401 - Motivation in Workforce Learning & Development

Reviews and analyzes theories of motivation in relation to instructional design strategies. The primary emphasis is on the motivation to learn and techniques for stimulating and sustaining learner motivation.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

WLD 420 - Organizing and Directing Instructional Development

Examination of principles of planning, scheduling, allocating resources, budgeting, proposal preparation, cost control and personnel management for instructional projects. Students negotiate an effective design project plan, how to implement that plan, and how to control and monitor project activities. Case studies will be used as a basis for exercises and discussions. Each student will develop a plan that meets specific criteria.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

WLD 430 - Appraising Organizational Change in Workforce Learning and Development

Designed to provide an introduction to evaluation techniques associated with educational evaluation media and materials, courses, curricula, students or other elements in educational programs. Various units of the course will focus upon particular evaluation techniques.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

WLD 431 - Assessing Learning Outcomes

Examination of the nature and purpose of measurement and assessment of learning outcomes. Particular attention is paid to the concepts of reliability, validity, norms, interpretation of scores, response sets, fairness in testing and performance assessment, and norm referenced vs. criterion referenced tests. A variety of instruments that are used to measure or assess human attributes and behaviors are studied.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

WLD 498 - WLD Internship

Provides the student with an opportunity to gain knowledge and skills from a planned work experience in workforce learning and development. Students will meet learning outcomes developed jointly with the site supervisor. Internship placements provide learning experiences not available in the classroom setting. internships provide entry-level, career-related experience and workplace competencies that employers value when hiring new employees.

Credit Hours: 3

Additional Restrictions/Requirements: Must be approved by the instructor.
Course Repeatability: Course may not be repeated.

LED 424 - Evaluation in Support of Organizational Learning

In this course, students develop an understanding of evaluation and its role in learning organizations, with

emphasis on evaluating learning, performance, and change initiatives. Major components of the course include program and training evaluation, strategic learning, systems thinking, evaluation principles and guidelines, and organizational learning and change.

Credit Hours: 3

Crosslisting: EDL 524.
Course Repeatability: Course may not be repeated.
Additional Course Fees: None

Total Credit Hours: 69

Major with Licensure

Anthropology, B.A. with Social Studies Teacher Licensure

Program Coordinator: Dr. William Alexander

Admission Requirements

- See University Admission Requirements

- Students planning to pursue licensure should apply to the Watson College of Education as soon as admissions requirements are met (typically in the sophomore year) and plan their programs in regular consultation with their advisors.

Requirements for a B.A. in Anthropology with Social Studies Teacher Licensure

Students seeking an Anthropology, B.A. with Social Studies Teacher Licensure must complete the major requirements found in Anthropology, B.A. and the following:

Professional Studies - Secondary Education (39 Credit Hours)

Professional Core

SEC 200 - Teaching, Schools and a Global Society

Introductory course for licensure in secondary education. Emphasis on interpretation and evaluation of the development of public education in the United States using historical, sociological, cultural, and philosophical perspectives. Course examines the goals

and purposes of education in a global context with particular attention to the education of students in grades 9-12.

Credit Hours: 3

Corequisite Courses: SEC 210 and SEC 220
Additional Restrictions/Requirements: Only open to students pursuing secondary licensure.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SEC 210 - Diverse Learners in Secondary Schools

Focus on teaching diverse learners in the high school classroom including students with disabilities, linguistically diverse individuals, students identified as academically gifted and talented, and students at risk for school failure. Instructional practices and classroom managment strategies that support all students in general education classes will be explored.

Credit Hours: 3

Additional Restrictions/Requirements: Only open to students pursuing secondary licensure.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SEC 220 - Practicum Block I

Candidates will observe, participate, assist, tutor and teach in secondary classrooms. Emphasis is placed on the study of adolescent development with practical experiences in high school classrooms. Candidates will observe instruction including lesson planning, lesson implementation and assessment.

Credit Hours: 3

Corequisite Courses: SEC 200 and SEC 210.
Additional Restrictions/Requirements: Only open to students pursuing secondary licensure.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

Professional Studies

SEC 310 - Curriculum Design and Learning Assessment

Course designed to provide conceptual tools and analytic skills essential for designing effective instructional activities that incorporate technology as well as providing tools for planning, implementing, and evaluating lessons.

Credit Hours: 3

Corequisite Courses: SEC 320.
Additional Restrictions/Requirements: Only open to those pursuing secondary licensure.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SEC 320 - Practicum Block II

Development of tutoring and instructional strategies to improve high school student literacy. Candidates will tutor and teach in a secondary classroom/tutoring center with an emphasis on multiple literacy skills.

Credit Hours: 3

Corequisite Courses: SEC 210
Additional Restrictions/Requirements: Only open to students pursuing secondary teaching licensure.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

SEC 405 - Theory and Practice in Teaching Secondary Social Studies (9-12)

This course provides emphasis on theory, curriculum development, inquiry, critical thinking, classroom management, instructional strategies and selection of appropriate instructional materials for teaching secondary social studies. Successful planning and teaching practices with adaptations to diverse needs of students will be discussed and incorporated into coursework.

Credit Hours: 3

Corequisite Courses: SEC 410 and SEC 421
Prerequisite Courses: SEC 305
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SEC 410 - ESL Topics for Secondary Teachers

Corequisites: SEC 403, SEC 404, SEC 405, or SEC 406; SEC 421 and SEC 422. This course will introduce Secondary educators to the field of English as a second language and meeting the needs of students with limited formal schooling, long term English language learners and older language learners. Topics include cross-cultural communications, ESL methodology, assessment and curriculum adaptation.

Credit Hours: 3

Prerequisite Courses: SEC 205
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

SEC 421 - Student Teaching I (9-12)

Candidates will observe and teach in specific content area in secondary public school classrooms.

Credit Hours: 3

Additional Restrictions/Requirements: Only open to students pursuing secondary teaching licensure.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

Professional Semester

SEC 430 - Seminar-Leadership, Reflection and Management Practices

Development of instructional skills required for successful teaching with regard for the particular needs of the student's academic discipline. Emphasis is given to 1) acquisition of leadership qualities and characteristics, 2) professional documentation of reflective growth, and 3) integration of effective behavior management strategies.

Credit Hours: 3

Corequisite Courses: SEC 431
Additional Restrictions/Requirements: All professional core and specialty area courses, acceptance into the Watson School of Education, and a 2.70 GPA on all work attempted at UNCW.
University Studies: Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SEC 431 - Student Teaching - Secondary Education

Students will be assigned full-time, or equivalent, to practicum sites within their areas of specializations. Students will engage in a variety of supervised instructional activities, assuming increasingly wider responsibility for class instruction. Practica are offered in the following areas of specialization: biology, chemistry, English, geology, history, mathematics, music, physics, and social studies.

Credit Hours: 12

Corequisite Courses: SEC 430
Additional Restrictions/Requirements: As specified for SEC 430.
University Studies: Building Competencies/Information Literacy, Explorations Beyond the Classroom, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 12
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

Social Studies Electives/Collaterals (18 Credit Hours)

HST 101 - Europe in the World I

Introduction to pre-modern European history, from the development of the first city-states in the Near East, through the rise of Athens and Rome, and concluding with the Middle Ages and Early Modern Period. Specific attention is given to the globally interconnected nature of European history.

Credit Hours: 3

University Studies: Approaches and Perspectives/Historical and Philosophical Approaches, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

or

HST 102 - Europe in the World II

Introduction to modern European history. Examination of Europe's transformations and global interactions through the discussion of significant events, groups, and individuals that contributed to developments such as the French Revolution and the rise of democracy, the Industrial Revolution and the modern economy, world wars and dictatorships.

Credit Hours: 3

University Studies: Approaches and Perspectives/Historical and Philosophical Approaches, Approaches and Perspectives/Living in a Global

Society
Course Repeatability: Course may not be repeated.

and

HST 104 - Introduction to Global History Since 1848

Historical events, peoples, and places as well as the transformation of global systems. Examines the effects of industrialization, imperialism, nationalism, world wars, the Cold War, communism, and globalization on contemporary societies.

Credit Hours: 3

University Studies: Approaches and Perspectives/Historical and Philosophical Approaches, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

HST 105 - United States to 1865

American history from the pre-colonial period to the beginning of Reconstruction. Examines the impact of the country's cultural diversity through the study of the

arts, law, politics, war, religion, technology, immigration, and the emergence of regional economic systems.

Credit Hours: 3

University Studies: Approaches and Perspectives/Historical and Philosophical Approaches, Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.

HST 106 - United States from 1865 to Present

The history of the United States since the Civil War. Examines the development of American political, social, and cultural systems, foreign policy, and the emergence of the United States as a world power.

Credit Hours: 3

University Studies: Approaches and Perspectives/Historical and Philosophical Approaches, Approaches and Perspectives/Living in Our Diverse

Nation
Course Repeatability: Course may not be repeated.

and
One Economics course (ECN 125 is strongly recommended)

PLS 101 - American National Government

Survey of basic principles, institutions and functions such as federalism, separation of powers, civil liberties and rights, judicial review, public opinion, political parties, elections and interest groups.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.

Total Credit Hours: 57

Additional Information

For information on the Teacher Education Program admissions criteria and the courses required for

licensure in North Carolina, see the Watson College of Education section of this catalogue. Teacher licensure requirements are established at the state level and may be changed by the state at any time.

Chemistry, B.A. with Teacher Licensure

Admission Requirements

- See University Admission Requirements
- Students planning to pursue licensure should apply to the Watson College of Education as soon as admissions requirements are met (typically in the sophomore year) and plan their programs in regular consultation with their advisors.

Requirements for B.A. in Chemistry with Teacher Licensure

Students seeking a Chemistry, B.A. with Teacher Licensure must complete the major requirements found in Chemistry, B.A. and the following:

- Teacher Education Requirements (See Watson College of Education section of this catalogue)
- For Secondary Teacher Licensure in general science as well as chemistry an additional BIO

course, PHY 260, and one course from GLY 101, GLY 120, are required

Additional Information

For information on the Teacher Education Program admissions criteria and the courses required for licensure in North Carolina, see the Watson College of Education section of this catalogue. Teacher licensure requirements are established at the state level and may be changed by the state at any time.

French, B.A. with Teacher Licensure

Admission Requirements

- See University Admission Requirements
- Students planning to pursue licensure should apply to the Watson College of Education as soon as admissions requirements are met (typically in the sophomore year) and plan their programs in regular consultation with their advisors.

Requirements for a B.A. in French with Teacher Licensure

Students seeking a French, B.A. with Teacher Licensure must complete the requirements found in French, B.A. including FRH 201-FRH 202 or the equivalent and 30 hours at the 300-400 level and the following requirements:

Students seeking licensure in French (K-12) must complete

FRH 301 - Conversation

Practice in the use of everyday French for enrichment of functional vocabulary and improved fluency. Extensive use of authentic materials; situational communicative exercises.

Credit Hours: 3

Prerequisite Courses: FRH 202 or placement by exam.
Additional Restrictions/Requirements: Permission of the instructor.
University Studies: Foundations/Foreign Language
Course Repeatability: Course may not be repeated.

FRH 302 - Grammar and Composition I

Thorough study of French grammatical structures and nuances, with attention to the contrasts between French and English. Intensive practice in writing, editing and revising papers written in genres such as landscape descriptions, literary portraits, narration of events, and critical essays.

Credit Hours: 3

Prerequisite Courses: FRH 202 or placement by exam.
Additional Restrictions/Requirements: Permission of the instructor.
University Studies: Foundations/Foreign Language
Course Repeatability: Course may not be repeated.

FRH 303 - Grammar and Composition II

Thorough study of French grammatical structures and nuances, with attention to the contrasts between French and English. Intensive practice in writing, editing, and revising papers written in genres such as analytical essays, reviews of films, books, music, and other artistic performances, literary analyses, and personal and business correspondence.

Credit Hours: 3

Prerequisite Courses: FRH 202 or placement by exam.
Additional Restrictions/Requirements: Permission of instructor.
University Studies: Foundations/Foreign Language
Course Repeatability: Course may not be repeated.

FRH 306 - Reading Strategies

Strategies for improving reading skills and the interpretation of a wide range of texts from current advertisements, newspapers, and periodicals to traditional literary genres.

Credit Hours: 3

Prerequisite Courses: FRH 202 or placement by exam.
Additional Restrictions/Requirements: Permission of instructor.
Course Repeatability: Course may not be repeated.

FRH 308 - French Linguistics

Introduction to the phonetics, phonology, morphology, and syntax of French; emphasis on the French sound system, pronunciation, and intonation.

Credit Hours: 3

Prerequisite Courses: FRH 202 or placement by exam.
Additional Restrictions/Requirements: Permission of instructor.
Course Repeatability: Course may not be repeated.

FRH 311 - French Civilization

Examines the cultural history of France from Lascaux to the present with a special emphasis on France's religious and political transformations. May include readings of political speeches and comic books, as well as viewings of films and audio-visual documents.

Credit Hours: 3

Prerequisite Courses: FRH 301 or FRH 302 or FRH 303 or placement by exam
Additional Restrictions/Requirements: Permission of

instructor.
University Studies: Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

FRH 321 - Survey of French Literature I

Extensive readings covering the main currents of French literature; emphasis in classroom on textual analysis and criticism; oral and written reports.

Credit Hours: 3

Prerequisite Courses: FRH 301 or FRH 302 or FRH 303 or placement by exam
Additional Restrictions/Requirements: Permission of instructor.
University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives, Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

FRH 322 - Survey of French Literature II

Extensive readings covering the main currents of French literature; emphasis in classroom on textual

analysis and criticism; oral and written reports.

Credit Hours: 3

Prerequisite Courses: FRH 301 or FRH 302 or FRH 303 or placement by exam
Additional Restrictions/Requirements: Permission of instructor.
University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives, Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

- at least 6 credit hours at the 400 level, only 3 of which may be obtained by means of FRH 491 or FRH 498.

Total: 36 hours

Additional Information

- A grade of "C-" or better is required in each course counted toward the major and a "C" (2.00) average or better for all courses counted toward the major.
- Recommended: HST 102 and HST 101.
- Students must also satisfy the professional education requirements listed under the Watson

College of Education section of this catalogue.Teacher licensure requirements are established at the state level and may be changed by the state at any time.

Geology, B.S. or Geosciences, B.A. with Teacher Licensure

Admission Requirements

- See University Admission Requirements
- Students planning to pursue licensure should apply to the Watson College of Education as soon as admissions requirements are met (typically in the sophomore year) and plan their programs in regular consultation with their advisors.

Requirements for Geology, B.S. or Geosciences, B.A. with Teacher Licensure

Students seeking a Geology, B.S. or Geosciences, B.A. complete the major requirements found in Geology, B.S. OR Geosciences, B.A. and Teacher Education Requirement (See Watson College of Education).

The following courses are also required for licensure:

BIO 201 - Principles of Biology: Cells

Introduction to principles governing living systems, especially the cellular and molecular basis of life and the transmission and utilization of genetic information. The lab for this course is BIOL 201.

Credit Hours: 3

Prerequisite or Corequisite Courses: BIOL 201
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

BIO 202 - Principles of Biology: Biodiversity

Evolution, classification, and diversity of life, stressing morphology, physiology, principles of adaptation, and relationships between biotic and abiotic components of ecosystems. The lab for this course is BIOL 202.

Credit Hours: 3

Prerequisite or Corequisite Courses: BIOL 202
University Studies: Building

Competencies/Information Literacy, Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

PHY 260 - Introduction to Astronomy

Descriptive course in principles, theories, and techniques of astronomy. Occasional night viewings.

Credit Hours: 3

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

GGY 230 - Introduction to Weather and Climate

Examination of general climatic characteristics through space and time, especially as influenced by controls upon temperature, wind and moisture distributions, and by planetary, regional and local atmospheric disturbances.

Credit Hours: 3

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

Additional Information

- Additionally, to earn Secondary Science Licensure students must select at least 21 hours from three physical science areas. A minimum of two courses from each discipline is required.
- For information on the Teacher Education Program admissions criteria and the courses required for licensure in North Carolina, see the Watson College of Education section of this catalogue. Teacher licensure requirements are established at the state level and may be changed by the state at any time.

History, B.A. with Social Studies Teacher Licensure

Program Coordinator: Dr. Nathan Crowe

Admission Requirements

- See University Admission Requirements
- Students planning to pursue licensure should apply to the Watson College of Education as soon as admissions requirements are met (typically in the sophomore year) and plan their programs in regular consultation with their advisors.

Requirements for B.A. in History with Teacher Licensure

Students seeking a History, B.A. with Social Studies Teacher Licensure must complete major requirements found in History, B.A. and the following:

Professional Studies - Secondary Education (39 Credit Hours)

Professional Core

SEC 200 - Teaching, Schools and a Global Society

Introductory course for licensure in secondary education. Emphasis on interpretation and evaluation

of the development of public education in the United States using historical, sociological, cultural, and philosophical perspectives. Course examines the goals and purposes of education in a global context with particular attention to the education of students in grades 9-12.

Credit Hours: 3

Corequisite Courses: SEC 210 and SEC 220
Additional Restrictions/Requirements: Only open to students pursuing secondary licensure.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SEC 210 - Diverse Learners in Secondary Schools

Focus on teaching diverse learners in the high school classroom including students with disabilities, linguistically diverse individuals, students identified as academically gifted and talented, and students at risk for school failure. Instructional practices and classroom managment strategies that support all students in general education classes will be explored.

Credit Hours: 3

Additional Restrictions/Requirements: Only open to students pursuing secondary licensure.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SEC 220 - Practicum Block I

Candidates will observe, participate, assist, tutor and teach in secondary classrooms. Emphasis is placed on the study of adolescent development with practical experiences in high school classrooms. Candidates will observe instruction including lesson planning, lesson implementation and assessment.

Credit Hours: 3

Corequisite Courses: SEC 200 and SEC 210.
Additional Restrictions/Requirements: Only open to students pursuing secondary licensure.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.

Maximum Repeatable Hours: 3
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

Professional Studies

SEC 310 - Curriculum Design and Learning Assessment

Course designed to provide conceptual tools and analytic skills essential for designing effective instructional activities that incorporate technology as well as providing tools for planning, implementing, and evaluating lessons.

Credit Hours: 3

Corequisite Courses: SEC 320.
Additional Restrictions/Requirements: Only open to those pursuing secondary licensure.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SEC 320 - Practicum Block II

Development of tutoring and instructional strategies to improve high school student literacy. Candidates will tutor and teach in a secondary classroom/tutoring center with an emphasis on multiple literacy skills.

Credit Hours: 3

Corequisite Courses: SEC 210
Additional Restrictions/Requirements: Only open to students pursuing secondary teaching licensure.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

SEC 405 - Theory and Practice in Teaching Secondary Social Studies (9-12)

This course provides emphasis on theory, curriculum development, inquiry, critical thinking, classroom management, instructional strategies and selection of appropriate instructional materials for teaching secondary social studies. Successful planning and

teaching practices with adaptations to diverse needs of students will be discussed and incorporated into coursework.

Credit Hours: 3

Corequisite Courses: SEC 410 and SEC 421
Prerequisite Courses: SEC 305
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SEC 410 - ESL Topics for Secondary Teachers

Corequisites: SEC 403, SEC 404, SEC 405, or SEC 406; SEC 421 and SEC 422. This course will introduce Secondary educators to the field of English as a second language and meeting the needs of students with limited formal schooling, long term English language learners and older language learners. Topics include cross-cultural communications, ESL methodology, assessment and curriculum adaptation.

Credit Hours: 3

Prerequisite Courses: SEC 205

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

SEC 421 - Student Teaching I (9-12)

Candidates will observe and teach in specific content area in secondary public school classrooms.

Credit Hours: 3

Additional Restrictions/Requirements: Only open to students pursuing secondary teaching licensure.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

Professional Semester

SEC 430 - Seminar-Leadership, Reflection and Management Practices

Development of instructional skills required for successful teaching with regard for the particular needs of the student's academic discipline. Emphasis is given to 1) acquisition of leadership qualities and characteristics, 2) professional documentation of reflective growth, and 3) integration of effective behavior management strategies.

Credit Hours: 3

Corequisite Courses: SEC 431
Additional Restrictions/Requirements: All professional core and specialty area courses, acceptance into the Watson School of Education, and a 2.70 GPA on all work attempted at UNCW.
University Studies: Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SEC 431 - Student Teaching - Secondary Education

Students will be assigned full-time, or equivalent, to practicum sites within their areas of specializations.

Students will engage in a variety of supervised instructional activities, assuming increasingly wider responsibility for class instruction. Practica are offered in the following areas of specialization: biology, chemistry, English, geology, history, mathematics, music, physics, and social studies.

Credit Hours: 12

Corequisite Courses: SEC 430
Additional Restrictions/Requirements: As specified for SEC 430.
University Studies: Building Competencies/Information Literacy, Explorations Beyond the Classroom, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 12
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

Social Studies Electives/Collaterals (6 Credit Hours)

PLS 101 - American National Government

Survey of basic principles, institutions and functions such as federalism, separation of powers, civil liberties and rights, judicial review, public opinion, political parties, elections and interest groups.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.

and

One Economics course (ECN 125 is strongly recommended)

Total Credit Hours: 45

Additional Information

For information on the Teacher Education Program admissions criteria and the courses required for licensure in North Carolina, see the Watson College of Education section of this catalogue. Teacher licensure requirements are established at the state level and may be changed by the state at any time.

Mathematics, B.A. with Teacher Licensure

The Mathematics, B.A. degree is designed with the goals of a broad liberal education in mind. Licensed secondary school teachers with a B.A. in Mathematics are in high demand, as are qualified applicants for graduate schools in Mathematics. Additionally, a B.A. degree in Mathematics is regarded as excellent preparation for entrance to professional schools of Law, Medicine or Business.

Admission Requirements

- See University Admission Requirements
- Students planning to pursue licensure should apply to the Watson College of Education as soon as admissions requirements are met (typically in the junior year) and plan their programs in regular consultation with their advisors.

Requirements for a B.A. in Mathematics with Teacher Licensure

It is strongly recommended that each student majoring in mathematics either complete a minor in a discipline that applies mathematics or elect advanced coursework

involving mathematical applications in other disciplines such as Biology Minor, Chemistry Minor, Computer Science Minor, Geology Minor, Economics Minor, Information Technology Minor, Physics Minor, Psychology Minor, Sociology Minor and Statistics Minor.

Students seeking an Mathematics, B.A. with Teacher Licensure must complete the Teacher Licensure requirements found in the Watson College of Education section of this catalogue and the following:

Computer Requirement

To satisfy the computer requirement for the B.A. degree in Mathematics, a student must successfully complete the following in the core requirements:

MAT 161 - Calculus with Analytical Geometry I

Calculus of a single variable intended for students in the mathematical and natural sciences. Functions and limits; differentiation with applications including maxima and minima, related rates, and approximations; theory of integration with applications; and transcendental

functions.

Credit Hours: 4

Prerequisite Courses: MAT 112 or MAT 160, or satisfactory performance on the UNCW mathematics placement test.
University Studies: Foundations/Mathematics and Statistics, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

MAT 162 - Calculus with Analytical Geometry II

The second course in a three-course sequence. Further techniques and applications of integration; infinite sequences and series; conic sections, parametrized curves and polar coordinates; and, elementary differential equations.

Credit Hours: 4

Prerequisite Courses: MAT 161.
University Studies: Foundations/Mathematics and Statistics, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

MAT 261 - Multivariate Calculus

Calculus of functions of several variables. Vectors and analytic geometry of three dimensional space; partial derivatives, gradients, directional derivatives, maxima and minima; multiple integrals; line and surface integrals, Green's Theorem, Divergence Theorem, and Stokes' Theorem.

Credit Hours: 4

Prerequisite Courses: MAT 162
Course Repeatability: Course may not be repeated.

MAT 335 - Linear Algebra and Matrices

Systems of linear equations, vector spaces, algebra of matrices and linear transformations, determinants, eigenvalues and eigenvectors, applications.

Credit Hours: 3

Prerequisite Courses: MAT 161
Course Repeatability: Course may not be repeated.

Oral Communication Requirement

To satisfy the oral communication requirement for the B.A. degree in Mathematics a student must successfully complete one of the courses below or any other approved oral intensive course (Oral Communication Intensive Courses).

MAT 346 - Historical Development of Mathematics

Development of mathematics from earliest systems to present century. Personalities involved with the contributions of each. A problem-study approach to give the student some training in research.

Credit Hours: 3

Corequisite Courses: MAT 275
Additional Restrictions/Requirements: Corequisite course or consent of instructor.
University Studies: Building Competencies/Writing Intensive, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

MAT 471 - Projects in Mathematical Modeling

Techniques of problem recognition and formulation, and mathematical solution and interpretation of results. Each student will construct a mathematical model and report on the investigation in written and oral form.

Credit Hours: 3

Prerequisite Courses: MAT 361 and MAT 335.
Course Repeatability: Course may not be repeated.

MAT 495 - Seminar in Mathematics

Reading, discussion, investigation, and preparation and presentation of reports on selected mathematical topics, under faculty supervision beyond the students' courses of study.

Credit Hours: 3

Additional Restrictions/Requirements: 9 semester hours of mathematics courses at the 300-400 level.
University Studies: Building Competencies/Writing Intensive, Building Competencies/Information Literacy, Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.

Applied Learning Requirement

To satisfy the applied learning requirement for the B.A. degree in Mathematics a student must successfully complete one or more of the following:

MAT 495 - Seminar in Mathematics

Reading, discussion, investigation, and preparation and presentation of reports on selected mathematical topics, under faculty supervision beyond the students' courses of study.

Credit Hours: 3

Additional Restrictions/Requirements: 9 semester hours of mathematics courses at the 300-400 level.
University Studies: Building Competencies/Writing Intensive, Building Competencies/Information Literacy, Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.

MAT 498 - Internship in Mathematics

Academic training and practical experience through work in a private company or public agency. Supervision and evaluation of all study and on-site

activity by a faculty member and an on-site mentor.

Credit Hours: 1 To 3

Additional Restrictions/Requirements: Junior or senior standing. Overall GPA of at least 2.50, a GPA in MAT courses of at least 2.80, and at least 9 hours of MAT courses numbered 300 or higher. Students must have been approved by the faculty supervisor, department chair, and dean.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 3
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

MAT 499 - Honors Work in Mathematics

Individual study for honor students.

Credit Hours: 2 To 3

Additional Restrictions/Requirements: Eligibility for honors program.

University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6

SEC 404 - Theory and Practice in Teaching Secondary Mathematics (9-12)

This course provides emphasis on theory, curriculum development, inquiry, critical thinking, classroom management, instructional strategies and selection of appropriate instructional materials for teaching secondary mathematics. Successful planning and teaching practices with adaptations to diverse needs of students will be discussed and incorporated into coursework.

Credit Hours: 3

Corequisite Courses: SEC 410 and SEC 421
Prerequisite Courses: SEC 305
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 4

Core Courses (30 Credit Hours)

MAT 161 - Calculus with Analytical Geometry I

Calculus of a single variable intended for students in the mathematical and natural sciences. Functions and limits; differentiation with applications including maxima and minima, related rates, and approximations; theory of integration with applications; and transcendental functions.

Credit Hours: 4

Prerequisite Courses: MAT 112 or MAT 160, or satisfactory performance on the UNCW mathematics placement test.
University Studies: Foundations/Mathematics and Statistics, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

MAT 162 - Calculus with Analytical Geometry II

The second course in a three-course sequence. Further techniques and applications of integration; infinite sequences and series; conic sections, parametrized curves and polar coordinates; and, elementary differential equations.

Credit Hours: 4

Prerequisite Courses: MAT 161.
University Studies: Foundations/Mathematics and Statistics, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

MAT 261 - Multivariate Calculus

Calculus of functions of several variables. Vectors and analytic geometry of three dimensional space; partial derivatives, gradients, directional derivatives, maxima and minima; multiple integrals; line and surface integrals, Green's Theorem, Divergence Theorem, and Stokes' Theorem.

Credit Hours: 4

Prerequisite Courses: MAT 162
Course Repeatability: Course may not be repeated.

MAT 275 - Axiomatic Systems

Introduction to logic and mathematical proof with a focus on properties of the real number system. Elementary set theory, relations, functions, cardinality,

algebraic and completeness properties of the reals and topics from axiomatic systems. Precision in the language of mathematics and rigor in proofs. Student presentations.

Credit Hours: 3

Prerequisite Courses: MAT 152 or MAT 161
Course Repeatability: Course may not be repeated.

MAT 311 - Intermediate Analysis

Thorough treatment of the topology of the real line, functions and limits, convergence, continuity, differentiation and integration of functions of a real variable. Infinite series, uniform convergence.

Credit Hours: 3

Prerequisite Courses: MAT 261 and MAT 275
Course Repeatability: Course may not be repeated.

MAT 335 - Linear Algebra and Matrices

Systems of linear equations, vector spaces, algebra of matrices and linear transformations, determinants,

eigenvalues and eigenvectors, applications.

Credit Hours: 3

Prerequisite Courses: MAT 161
Course Repeatability: Course may not be repeated.

MAT 336 - Abstract Algebra I

Basic study of algebraic structures, focusing on groups and rings. Examples may include permutation, matrix, and symmetry groups, polynomial rings, and integral domains.

Credit Hours: 3

Prerequisite Courses: MAT 275 and MAT 335
Course Repeatability: Course may not be repeated.

STT 215 - Introduction to Statistics

Methods of data collection; numerical and graphical analyses of univariate and bivariate data; axioms of probability; conditional probability; independence; distributions of random variables; introduction to confidence intervals and hypothesis testing; simple

linear regression and correlation; use of statistical software to analyze data and simulate random variables.

Credit Hours: 3

University Studies: Foundations/Mathematics and Statistics
Course Repeatability: Course may not be repeated.

STT 315 - Introduction to Probability

Introduction to calculus-based probability. Topics include: discrete and continuous random variables and probability distributions; mathematical expectation and variance; sampling distributions and the central limit theorem.

Credit Hours: 3

Prerequisite Courses: MAT 152 or MAT 162.
Course Repeatability: Course may not be repeated.

Teacher Licensure in Mathematics Required Courses (12 Credit Hours)

In addition to completing the core requirements for the B.A. major in mathematics, students seeking licensure in mathematics must complete:

MAT 345 - Modern College Geometry

Use of elementary methods in advanced study of the triangle and circle, special emphasis on solving original examples, comparison of Euclidean and non-Euclidean and projective geometries.

Credit Hours: 3

Prerequisite Courses: MAT 275
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

MAT 346 - Historical Development of Mathematics

Development of mathematics from earliest systems to present century. Personalities involved with the contributions of each. A problem-study approach to give the student some training in research.

Credit Hours: 3

Corequisite Courses: MAT 275
Additional Restrictions/Requirements: Corequisite course or consent of instructor.
University Studies: Building Competencies/Writing Intensive, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

MAT 396 - Mathematical Explorations in Technology

Utilizing technology as an integrated tool to explore and visualize mathematical concepts and solve mathematics problems related to the school curriculum. Topics include functions, equations, geometry, data analysis, and mathematical modeling.

Credit Hours: 3

Corequisite Courses: MAT 275 or permission of instructor.
Additional Restrictions/Requirements: Open only to students with the major B.A. in Mathematics, Option 2 - Teacher Licensure in Mathematics, or B.A. in Middle

Grades Education.
Course Repeatability: Course may not be repeated.

MAT 496 - Advanced Perspectives in Secondary Mathematics

Students examine key ideas in high school mathematics from an advanced perspective. Under faculty supervision, students read, discuss, investigate, and present reports on mathematical topics beyond the students' courses of study.

Credit Hours: 3

Corequisite Courses: Corequisite: 6 semester hours of mathematics courses at the 300-400 level.
Additional Restrictions/Requirements: Open only to majors in mathematics with teaching licensure.
Course Repeatability: Course may not be repeated.

Total Major Credit Hours: 42

Additional Information

- An overall average of "C" (2.00) or better, with no grade lower than a "C-" is required for all 300-400-

level mathematics or statistics courses counted toward the major.
- For information on the Teacher Education Program admissions criteria and the courses required for licensure in North Carolina, see the Watson College of Education section of this catalogue. Teacher licensure requirements are established at the state level and may be changed by the state at any time.

Political Science, B.A. with Social Studies Teacher Licensure

Program Coordinator: Dr. Jennifer Horan

Admission Requirements

- See University Admission Requirements
- Students planning to pursue licensure should apply to the Watson College of Education as soon as admissions requirements are met (typically in the sophomore year) and plan their programs in regular consultation with their advisors.

Requirements for B.A. in Political Science with Teacher Licensure

Students seeking a Politcal Science, B.A. with Social Studies Teacher Licensure the major requirements found in Political Science, B.A. and the following:

Professional Studies - Secondary Education (39 Credit Hours)

Professional Core

SEC 200 - Teaching, Schools and a Global Society

Introductory course for licensure in secondary education. Emphasis on interpretation and evaluation of the development of public education in the United States using historical, sociological, cultural, and philosophical perspectives. Course examines the goals and purposes of education in a global context with particular attention to the education of students in grades 9-12.

Credit Hours: 3

Corequisite Courses: SEC 210 and SEC 220
Additional Restrictions/Requirements: Only open to students pursuing secondary licensure.

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SEC 210 - Diverse Learners in Secondary Schools

Focus on teaching diverse learners in the high school classroom including students with disabilities, linguistically diverse individuals, students identified as academically gifted and talented, and students at risk for school failure. Instructional practices and classroom managment strategies that support all students in general education classes will be explored.

Credit Hours: 3

Additional Restrictions/Requirements: Only open to students pursuing secondary licensure.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SEC 220 - Practicum Block I

Candidates will observe, participate, assist, tutor and teach in secondary classrooms. Emphasis is placed on the study of adolescent development with practical

experiences in high school classrooms. Candidates will observe instruction including lesson planning, lesson implementation and assessment.

Credit Hours: 3

Corequisite Courses: SEC 200 and SEC 210.
Additional Restrictions/Requirements: Only open to students pursuing secondary licensure.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

Professional Studies

SEC 310 - Curriculum Design and Learning Assessment

Course designed to provide conceptual tools and analytic skills essential for designing effective instructional activities that incorporate technology as well as providing tools for planning, implementing, and evaluating lessons.

Credit Hours: 3

Corequisite Courses: SEC 320.
Additional Restrictions/Requirements: Only open to those pursuing secondary licensure.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SEC 320 - Practicum Block II

Development of tutoring and instructional strategies to improve high school student literacy. Candidates will tutor and teach in a secondary classroom/tutoring center with an emphasis on multiple literacy skills.

Credit Hours: 3

Corequisite Courses: SEC 210
Additional Restrictions/Requirements: Only open to students pursuing secondary teaching licensure.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

SEC 405 - Theory and Practice in Teaching Secondary Social Studies (9-12)

This course provides emphasis on theory, curriculum development, inquiry, critical thinking, classroom management, instructional strategies and selection of appropriate instructional materials for teaching secondary social studies. Successful planning and teaching practices with adaptations to diverse needs of students will be discussed and incorporated into coursework.

Credit Hours: 3

Corequisite Courses: SEC 410 and SEC 421
Prerequisite Courses: SEC 305
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SEC 410 - ESL Topics for Secondary Teachers

Corequisites: SEC 403, SEC 404, SEC 405, or SEC 406; SEC 421 and SEC 422. This course will introduce

Secondary educators to the field of English as a second language and meeting the needs of students with limited formal schooling, long term English language learners and older language learners. Topics include cross-cultural communications, ESL methodology, assessment and curriculum adaptation.

Credit Hours: 3

Prerequisite Courses: SEC 205
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

SEC 421 - Student Teaching I (9-12)

Candidates will observe and teach in specific content area in secondary public school classrooms.

Credit Hours: 3

Additional Restrictions/Requirements: Only open to students pursuing secondary teaching licensure.
University Studies: Explorations Beyond the

Classroom
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

Professional Semester

SEC 430 - Seminar-Leadership, Reflection and Management Practices

Development of instructional skills required for successful teaching with regard for the particular needs of the student's academic discipline. Emphasis is given to 1) acquisition of leadership qualities and characteristics, 2) professional documentation of reflective growth, and 3) integration of effective behavior management strategies.

Credit Hours: 3

Corequisite Courses: SEC 431
Additional Restrictions/Requirements: All professional core and specialty area courses, acceptance into the Watson School of Education, and a 2.70 GPA on all work attempted at UNCW.

University Studies: Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SEC 431 - Student Teaching - Secondary Education

Students will be assigned full-time, or equivalent, to practicum sites within their areas of specializations. Students will engage in a variety of supervised instructional activities, assuming increasingly wider responsibility for class instruction. Practica are offered in the following areas of specialization: biology, chemistry, English, geology, history, mathematics, music, physics, and social studies.

Credit Hours: 12

Corequisite Courses: SEC 430
Additional Restrictions/Requirements: As specified for SEC 430.
University Studies: Building Competencies/Information Literacy, Explorations Beyond the Classroom, Common Requirements/Critical

Reasoning
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 12
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

Social Studies Electives/Collaterals (15 Credit Hours)

HST 101 - Europe in the World I

Introduction to pre-modern European history, from the development of the first city-states in the Near East, through the rise of Athens and Rome, and concluding with the Middle Ages and Early Modern Period. Specific attention is given to the globally interconnected nature of European history.

Credit Hours: 3

University Studies: Approaches and Perspectives/Historical and Philosophical Approaches, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

or

HST 102 - Europe in the World II

Introduction to modern European history. Examination of Europe's transformations and global interactions through the discussion of significant events, groups, and individuals that contributed to developments such as the French Revolution and the rise of democracy, the Industrial Revolution and the modern economy, world wars and dictatorships.

Credit Hours: 3

University Studies: Approaches and Perspectives/Historical and Philosophical Approaches, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

and

HST 104 - Introduction to Global History Since 1848

Historical events, peoples, and places as well as the transformation of global systems. Examines the effects

of industrialization, imperialism, nationalism, world wars, the Cold War, communism, and globalization on contemporary societies.

Credit Hours: 3

University Studies: Approaches and Perspectives/Historical and Philosophical Approaches, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

HST 105 - United States to 1865

American history from the pre-colonial period to the beginning of Reconstruction. Examines the impact of the country's cultural diversity through the study of the arts, law, politics, war, religion, technology, immigration, and the emergence of regional economic systems.

Credit Hours: 3

University Studies: Approaches and Perspectives/Historical and Philosophical Approaches,

Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.

HST 106 - United States from 1865 to Present

The history of the United States since the Civil War. Examines the development of American political, social, and cultural systems, foreign policy, and the emergence of the United States as a world power.

Credit Hours: 3

University Studies: Approaches and Perspectives/Historical and Philosophical Approaches, Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.

Total Credit Hours: 54

Additional Information

For information on the Teacher Education Program admissions criteria and the courses required for licensure in North Carolina, see the Watson College of Education section of this catalogue. Teacher licensure

requirements are established at the state level and may be changed by the state at any time.

Science Teacher Licensure

Requirements for Teacher Licensure in Science:

In addition to completing the requirements for a degree in physics (see Physics, B.A.; Physics, B.S.) and the other requirements of the Teacher Education Program, the following courses are also required for licensure: BIO 201; GLY 120.

For information on the Teacher Education Program admissions criteria and the courses required for licensure in North Carolina, see the –Watson College of Education section of this catalogue. Students planning to pursue licensure should apply to the Watson School of Education as soon as admissions requirements are met (typically in the sophomore year) and plan their programs in regular consultation with their advisors. Teacher licensure requirements are established at the state level and may be changed by the state at any time.

Note:

Students interested in the B.S. degree in physics are advised to take the PHY 201 - PHY 202 sequence in the freshman year.

Secondary Education Teacher Licensure

Target audience: undergraduate students seeking teacher licensure in the secondary (9-12) fields of biology, chemistry, geology, English, and mathematics. Students who concentrate in anthropology, history, political science or sociology may fulfill subject matter requirements for social studies licensure by completing a minimum of 21 semester hours in three social studies areas other than the discipline of major concentration. HST 102 or HST 101, HST 104, HST 105, HST 106 and PLS 101 must be completed, as well as at least one course in each of the following areas: sociology/anthropology, economics, and geography.

Students who concentrate in biology, chemistry, physics or earth science may fulfill requirements for science licensure by completing 21 semester hours in three science areas other than the discipline of major concentration. A minimum of two courses from each discipline is required. PHY 260 also is required. Students wishing to prepare themselves as secondary

teachers must fulfill degree requirements in an appropriate academic discipline, be admitted to the Watson College of Education, and complete the following sequence of professional courses.

Professional Studies - Secondary Education

To earn teacher licensure in secondary education, 39 hours of education courses in addition to the specialty area are required. Secondary education students pursuing licensure in secondary education (9-12) must complete the following requirements in addition to those of the specialty area.

Professional Core:

SEC 200 - Teaching, Schools and a Global Society

Introductory course for licensure in secondary education. Emphasis on interpretation and evaluation of the development of public education in the United States using historical, sociological, cultural, and philosophical perspectives. Course examines the goals and purposes of education in a global context with

particular attention to the education of students in grades 9-12.

Credit Hours: 3

Corequisite Courses: SEC 210 and SEC 220
Additional Restrictions/Requirements: Only open to students pursuing secondary licensure.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SEC 210 - Diverse Learners in Secondary Schools

Focus on teaching diverse learners in the high school classroom including students with disabilities, linguistically diverse individuals, students identified as academically gifted and talented, and students at risk for school failure. Instructional practices and classroom managment strategies that support all students in general education classes will be explored.

Credit Hours: 3

Additional Restrictions/Requirements: Only open to

students pursuing secondary licensure.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SEC 220 - Practicum Block I

Candidates will observe, participate, assist, tutor and teach in secondary classrooms. Emphasis is placed on the study of adolescent development with practical experiences in high school classrooms. Candidates will observe instruction including lesson planning, lesson implementation and assessment.

Credit Hours: 3

Corequisite Courses: SEC 200 and SEC 210.
Additional Restrictions/Requirements: Only open to students pursuing secondary licensure.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

Professional Studies:

SEC 310 - Curriculum Design and Learning Assessment

Course designed to provide conceptual tools and analytic skills essential for designing effective instructional activities that incorporate technology as well as providing tools for planning, implementing, and evaluating lessons.

Credit Hours: 3

Corequisite Courses: SEC 320.
Additional Restrictions/Requirements: Only open to those pursuing secondary licensure.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SEC 320 - Practicum Block II

Development of tutoring and instructional strategies to improve high school student literacy. Candidates will tutor and teach in a secondary classroom/tutoring center with an emphasis on multiple literacy skills.

Credit Hours: 3

Corequisite Courses: SEC 210
Additional Restrictions/Requirements: Only open to students pursuing secondary teaching licensure.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

SEC 410 - ESL Topics for Secondary Teachers

Corequisites: SEC 403, SEC 404, SEC 405, or SEC 406; SEC 421 and SEC 422. This course will introduce Secondary educators to the field of English as a second language and meeting the needs of students with limited formal schooling, long term English language learners and older language learners. Topics include cross-cultural communications, ESL methodology, assessment and curriculum adaptation.

Credit Hours: 3

Prerequisite Courses: SEC 205
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

SEC 421 - Student Teaching I (9-12)

Candidates will observe and teach in specific content area in secondary public school classrooms.

Credit Hours: 3

Additional Restrictions/Requirements: Only open to students pursuing secondary teaching licensure.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

And one of the following methods courses depending upon licensure area:

SEC 403 - Theory and Practice in Teaching Secondary English (9-12)

This course provides emphasis on theory, curriculum development, inquiry, critical thinking, classroom management, instructional strategies and selection of appropriate instructional materials for teaching secondary English. Successful planning and teaching practices with adaptations to diverse needs of students will be discussed and incorporated into coursework.

Credit Hours: 3

Corequisite Courses: SEC 410 and SEC 421
Prerequisite Courses: SEC 305
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SEC 404 - Theory and Practice in Teaching Secondary Mathematics (9-12)

This course provides emphasis on theory, curriculum development, inquiry, critical thinking, classroom management, instructional strategies and selection of appropriate instructional materials for teaching secondary mathematics. Successful planning and

teaching practices with adaptations to diverse needs of students will be discussed and incorporated into coursework.

Credit Hours: 3

Corequisite Courses: SEC 410 and SEC 421
Prerequisite Courses: SEC 305
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 4

SEC 405 - Theory and Practice in Teaching Secondary Social Studies (9-12)

This course provides emphasis on theory, curriculum development, inquiry, critical thinking, classroom management, instructional strategies and selection of appropriate instructional materials for teaching secondary social studies. Successful planning and teaching practices with adaptations to diverse needs of students will be discussed and incorporated into coursework.

Credit Hours: 3

Corequisite Courses: SEC 410 and SEC 421
Prerequisite Courses: SEC 305
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SEC 406 - Theory and Practice in Teaching Secondary Science (9-12)

This course provides emphasis on theory, curriculum development, inquiry, critical thinking, classroom management, instructional strategies and selection of appropriate instructional materials for teaching secondary science. Successful planning and teaching practices with adaptations to diverse needs of students will be discussed and incorporated into coursework.

Credit Hours: 3

Corequisite Courses: SEC 410 and SEC 421
Prerequisite Courses: SEC 305
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

Professional Semester:

SEC 430 - Seminar-Leadership, Reflection and Management Practices

Development of instructional skills required for successful teaching with regard for the particular needs of the student's academic discipline. Emphasis is given to 1) acquisition of leadership qualities and characteristics, 2) professional documentation of reflective growth, and 3) integration of effective behavior management strategies.

Credit Hours: 3

Corequisite Courses: SEC 431
Additional Restrictions/Requirements: All professional core and specialty area courses, acceptance into the Watson School of Education, and a 2.70 GPA on all work attempted at UNCW.
University Studies: Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SEC 431 - Student Teaching - Secondary Education

Students will be assigned full-time, or equivalent, to practicum sites within their areas of specializations. Students will engage in a variety of supervised instructional activities, assuming increasingly wider responsibility for class instruction. Practica are offered in the following areas of specialization: biology, chemistry, English, geology, history, mathematics, music, physics, and social studies.

Credit Hours: 12

Corequisite Courses: SEC 430
Additional Restrictions/Requirements: As specified for SEC 430.
University Studies: Building Competencies/Information Literacy, Explorations Beyond the Classroom, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 12
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

Professional Semester (non-licensure option):

Requires program approval.

Note:

Students wishing to pursue teacher preparation programs must be formally admitted to the Watson College of Education and to the Teacher Education Program. Students in all programs should consult their advisors for admission procedures and for a list of courses requiring Watson College admissions. A grade of "C-" or better is required in education courses, as well as all courses in the interdisciplinary specialty and the professional semester. Students may repeat courses in which they earn a grade lower than a "C-" only with the permission of the dean of the Watson College of Education. A cumulative grade point average of 2.70 is required for the practicum semester.

Sociology B.A. with Social Studies Teacher Licensure

Program Coordinator: Dr. Julia Waity

Admission Requirements

- See University Admission Requirements

- Students planning to pursue licensure should apply to the Watson College of Education as soon as admissions requirements are met (typically in the sophomore year) and plan their programs in regular consultation with their advisors.

Requirements for B.A. in Sociology with Teacher Licensure

Students seeking Sociology, B.A. with Social Studies Teacher Licensure must complete the major requirements found in Sociology, B.A. and the following:

Professional Studies - Secondary Education (39 Credit Hours)

Professional Core

SEC 200 - Teaching, Schools and a Global Society

Introductory course for licensure in secondary education. Emphasis on interpretation and evaluation of the development of public education in the United States using historical, sociological, cultural, and philosophical perspectives. Course examines the goals

and purposes of education in a global context with particular attention to the education of students in grades 9-12.

Credit Hours: 3

Corequisite Courses: SEC 210 and SEC 220
Additional Restrictions/Requirements: Only open to students pursuing secondary licensure.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SEC 210 - Diverse Learners in Secondary Schools

Focus on teaching diverse learners in the high school classroom including students with disabilities, linguistically diverse individuals, students identified as academically gifted and talented, and students at risk for school failure. Instructional practices and classroom managment strategies that support all students in general education classes will be explored.

Credit Hours: 3

Additional Restrictions/Requirements: Only open to students pursuing secondary licensure.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SEC 220 - Practicum Block I

Candidates will observe, participate, assist, tutor and teach in secondary classrooms. Emphasis is placed on the study of adolescent development with practical experiences in high school classrooms. Candidates will observe instruction including lesson planning, lesson implementation and assessment.

Credit Hours: 3

Corequisite Courses: SEC 200 and SEC 210.
Additional Restrictions/Requirements: Only open to students pursuing secondary licensure.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

Professional Studies

SEC 310 - Curriculum Design and Learning Assessment

Course designed to provide conceptual tools and analytic skills essential for designing effective instructional activities that incorporate technology as well as providing tools for planning, implementing, and evaluating lessons.

Credit Hours: 3

Corequisite Courses: SEC 320.
Additional Restrictions/Requirements: Only open to those pursuing secondary licensure.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SEC 320 - Practicum Block II

Development of tutoring and instructional strategies to improve high school student literacy. Candidates will tutor and teach in a secondary classroom/tutoring center with an emphasis on multiple literacy skills.

Credit Hours: 3

Corequisite Courses: SEC 210
Additional Restrictions/Requirements: Only open to students pursuing secondary teaching licensure.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

SEC 405 - Theory and Practice in Teaching Secondary Social Studies (9-12)

This course provides emphasis on theory, curriculum development, inquiry, critical thinking, classroom management, instructional strategies and selection of appropriate instructional materials for teaching secondary social studies. Successful planning and teaching practices with adaptations to diverse needs of students will be discussed and incorporated into coursework.

Credit Hours: 3

Corequisite Courses: SEC 410 and SEC 421
Prerequisite Courses: SEC 305
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SEC 410 - ESL Topics for Secondary Teachers

Corequisites: SEC 403, SEC 404, SEC 405, or SEC 406; SEC 421 and SEC 422. This course will introduce Secondary educators to the field of English as a second language and meeting the needs of students with limited formal schooling, long term English language learners and older language learners. Topics include cross-cultural communications, ESL methodology, assessment and curriculum adaptation.

Credit Hours: 3

Prerequisite Courses: SEC 205
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

SEC 421 - Student Teaching I (9-12)

Candidates will observe and teach in specific content area in secondary public school classrooms.

Credit Hours: 3

Additional Restrictions/Requirements: Only open to students pursuing secondary teaching licensure.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

Professional Semester

SEC 430 - Seminar-Leadership, Reflection and Management Practices

Development of instructional skills required for successful teaching with regard for the particular needs of the student's academic discipline. Emphasis is given to 1) acquisition of leadership qualities and characteristics, 2) professional documentation of reflective growth, and 3) integration of effective behavior management strategies.

Credit Hours: 3

Corequisite Courses: SEC 431
Additional Restrictions/Requirements: All professional core and specialty area courses, acceptance into the Watson School of Education, and a 2.70 GPA on all work attempted at UNCW.
University Studies: Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SEC 431 - Student Teaching - Secondary Education

Students will be assigned full-time, or equivalent, to practicum sites within their areas of specializations. Students will engage in a variety of supervised instructional activities, assuming increasingly wider responsibility for class instruction. Practica are offered in the following areas of specialization: biology, chemistry, English, geology, history, mathematics, music, physics, and social studies.

Credit Hours: 12

Corequisite Courses: SEC 430
Additional Restrictions/Requirements: As specified for SEC 430.
University Studies: Building Competencies/Information Literacy, Explorations Beyond the Classroom, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 12
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

Social Studies Electives/Collaterals (18 Credit Hours)

HST 101 - Europe in the World I

Introduction to pre-modern European history, from the development of the first city-states in the Near East, through the rise of Athens and Rome, and concluding with the Middle Ages and Early Modern Period. Specific attention is given to the globally interconnected nature of European history.

Credit Hours: 3

University Studies: Approaches and Perspectives/Historical and Philosophical Approaches, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

or

HST 102 - Europe in the World II

Introduction to modern European history. Examination of Europe's transformations and global interactions through the discussion of significant events, groups, and individuals that contributed to developments such as the French Revolution and the rise of democracy, the Industrial Revolution and the modern economy, world wars and dictatorships.

Credit Hours: 3

University Studies: Approaches and Perspectives/Historical and Philosophical Approaches, Approaches and Perspectives/Living in a Global

Society
Course Repeatability: Course may not be repeated.

and

HST 104 - Introduction to Global History Since 1848

Historical events, peoples, and places as well as the transformation of global systems. Examines the effects of industrialization, imperialism, nationalism, world wars, the Cold War, communism, and globalization on contemporary societies.

Credit Hours: 3

University Studies: Approaches and Perspectives/Historical and Philosophical Approaches, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

HST 105 - United States to 1865

American history from the pre-colonial period to the beginning of Reconstruction. Examines the impact of the country's cultural diversity through the study of the

arts, law, politics, war, religion, technology, immigration, and the emergence of regional economic systems.

Credit Hours: 3

University Studies: Approaches and Perspectives/Historical and Philosophical Approaches, Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.

HST 106 - United States from 1865 to Present

The history of the United States since the Civil War. Examines the development of American political, social, and cultural systems, foreign policy, and the emergence of the United States as a world power.

Credit Hours: 3

University Studies: Approaches and Perspectives/Historical and Philosophical Approaches, Approaches and Perspectives/Living in Our Diverse

Nation
Course Repeatability: Course may not be repeated.

and
One Economics course (ECN 125 is strongly recommended)

PLS 101 - American National Government

Survey of basic principles, institutions and functions such as federalism, separation of powers, civil liberties and rights, judicial review, public opinion, political parties, elections and interest groups.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.

Total Credit Hours: 57

Additional Information

For information on the Teacher Education Program admissions criteria and the courses required for

licensure in North Carolina, see the Watson College of Education section of this catalogue. Teacher licensure requirements are established at the state level and may be changed by the state at any time.

Sociology, Social Studies Teacher Licensure

Requirements for Teacher Licensure in Social Studies:

In addition to completing requirements for the major, sociology majors seeking licensure in social studies must complete the Teacher Education Program requirements and a minimum of 21 collateral hours including HST 102, HST 101, HST 104, HST 105, HST 106 and PLS 101, and at least one course in each of the following areas: economics and geography.

For information on the Teacher Education Program admissions criteria and the courses required for licensure in North Carolina, see the –Watson College of Education section of this catalogue. Students planning to pursue licensure should apply to the Watson School of Education as soon as admissions requirements are met (typically in the sophomore year) and plan their programs in regular consultation with their advisors.

Teacher licensure requirements are established at the state level and may be changed by the state at any time.

Spanish, B.A. with Teacher Licensure

Admission Requirements

- See University Admission Requirements
- Students planning to pursue licensure should apply to the Watson College of Education as soon as admissions requirements are met (typically in the sophomore year) and plan their programs in regular consultation with their advisors.

Requirements for a B.A. in Spanish with Teacher Licensure

- Students seeking an Spanish, B.A. with Teacher Licensure must complete the major requirements found in Spanish, B.A. and Teacher Licensure Requirements (see Watson College of Education section of this catalogue).
- 36 credit hours (12 must be SPN 303, SPN 305, SPN 306, and SPN 307; 6 must be at the 400 level, and up to 6 may be at the 200 level)

- Only 3 hours at the 400-level may be obtained by means of SPN 491 or SPN 498.

Additional Information

- A grade of "C-" or better is required in each course counted toward the major and a "C" (2.00) average or better for all courses counted toward the major.
- For information on the Teacher Education Program admissions criteria and the courses required for licensure in North Carolina, see the –Watson College of Education section of this catalogue. Teacher licensure requirements are established at the state level and may be changed by the state at any time.

Special Subjects Teacher Licensure

Programs leading to teacher licensure are offered in the special subject (K-12) fields of health and physical education, music, French, and Spanish. Students wishing to prepare themselves as special subject teachers must fulfill degree requirements in an appropriate academic discipline, be admitted to the Watson College of Education, and complete the following sequence of professional courses.

Professional Studies –Foreign Languages

To earn teacher licensure in foreign language education, 40 hours of education courses in addition to the specialty area are required.

Foreign languages students pursuing licensure in foreign language education (K-12) must complete the following requirements in addition to those of the specialty area.

Program Objectives

- Demonstrate breadth of general knowledge, as well as depth of knowledge in the selected discipline area necessary for effective instructional decision making.
- Communicate effectively in standard English both verbally and in written formats.
- Adapt instruction to the developmental and learning needs of individuals, including children and adolescents with special needs and students from culturally diverse backgrounds.
- Establish a classroom climate conducive to the learning, social, and emotional needs of children and adolescents.

- Choose appropriate objectives consistent with state and local curriculum guidelines, the learning needs of students, and the standards established by learned societies.
- Use technology to enhance teaching and learning experiences.
- Demonstrate effective teaching including positive results for student learning, self-reflection, and appropriate professional dispositions.
- Employ and analyze appropriate assessments and evaluative procedures.

Professional Core:

The following courses should be completed before admission to the Teacher Education Program, usually in the sophomore year:

EDN 200 - Teacher, School and Society

This course examines historical, sociological, and philosophical foundations of education as well as issues of diversity. The course engages students' knowledge, research, and analytical skills in relation to the goals and purposes of education. Students are challenged to critically reflect on personal and

educational experiences as preservice professionals. The course is designed to provide opportunities to observe and engage in reflective discussion of curriculum and instructional practices, school governance and organization, and school-community relationships, inclusive of field experience. **Additional liability insurance expense may be necessary.** The lab for this course is EDNL 200.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in Our Diverse Nation, Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.

EDN 203 - Psychological Foundations of Teaching

A study of the major psychological variables that influence learning in schools and their applications to teaching. Addresses theories and systems of learning (behavioral, cognitive, constructivist, and humanistic); major developmental processes and typical

characteristics; and principles of motivation. Variables explaining and accounting for individual differences will be examined, including cultural aspects of learning and special needs learners. Students will learn about practices associated with effective teaching, including classroom management, and standards for valid assessment of student learning.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

PSY 223 - Life Span Human Development

Variables and factors underlying human growth and development across the life span. Physical, cognitive, social, emotional, and sexual developments are emphasized.

Credit Hours: 3

Prerequisite Courses: PSY 105
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

Professional Studies:

Students seeking special subject licensure must complete the following courses: (See sections below for description of requirements for health and physical education and music education requirements.)

EDN 301 - Instructional Design and Evaluation

Provides conceptual tools and analytic skills essential to planning, implementing, and evaluating instruction. The design of instruction that incorporates behavioral, cognitive and constructivist theories of learning and views of curriculum will be considered. Topics: types of learning; conditions of learning; performance objectives; purposes, forms, and procedures for educational assessment; task analysis, and lesson design.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite:EDN 200 and EDN 203.
Course Repeatability: Course may not be repeated.

EDN 303 - Instructional Technology

Emphasizes the design, selection, production, and evaluation of instructional materials, computer-generated presentations, and interactive multimedia, with particular emphasis on their effective integration into an instructional unit. Develops skill in the operation of media production equipment, including microcomputers, fundamentals of operating systems, computer software applications, networks, and telecommunications.

Credit Hours: 3

University Studies: Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

EDN 321 - Meeting Needs of Special Students in High Schools

This course will focus on strategies for meeting needs of individuals in high school classrooms. Students will study alternative methods for dealing with pupil differences that have an impact on academic and social behaviors. Characteristics of students with academic, intellectual, social-emotional, physical, cultural and language differences will be examined. Field experiences required.

Credit Hours: 2

Course Repeatability: Course may not be repeated.

EDN 356 - Reading for K-12 Teachers

Required course in the teaching of reading. Basic instructional reading strategies are developed with emphasis on introducing assignments, improving study skills, and fostering critical thinking. Students identify and learn to teach reading skills specific to varying content areas. Adjusting instruction to students' reading capabilities is stressed.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

EDN 407 - Theory and Practice in Teaching Foreign Languages (K-12)

Emphasis on theory, curriculum development, inquiry, critical thinking, classroom management, instructional strategies and selection of appropriate instructional materials. Successful planning and teaching practices with adaptations to diverse needs of students will be discussed. Field experiences required (10-20 contact hours). The lab for this course is EDNL 407.

Credit Hours: 3

Corequisite Courses: EDNL 407
Prerequisite Courses: EDN 301
Course Repeatability: Course may not be repeated.

EDNL 407 - Field Experience in Foreign Language

Designed to provide supervised extended experiences in public school classrooms. Focus on observations, reflections concerning observations, and use of

pedagogy with foreign language students K-12. Emphasis on integration of theory and practice. This course is the lab for EDN 407.

Credit Hours: 1

Corequisite Courses: EDN 407
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

Professional Semester:

EDN 420 - Instructional Seminar - Foreign Languages

Corequisite course only applies to students pursuing teacher licensure in Spanish or French. Development of instructional skills required for successful teaching with regard for the particular needs of the student's academic discipline and the effective management of the classroom. Designed as a culmination of professional study and an initiation into the internship and the teaching profession. Emphasis given to

professional documentation of reflective growth.

Credit Hours: 3

Corequisite Courses: EDN 409
Additional Restrictions/Requirements: Corerequisite course, all professional core and specialty area courses, acceptance into the Watson School of Education, and a 2.70 GPA on all work attempted at UNCW.
Course Repeatability: Course may not be repeated.

EDN 409 - Student Teaching

Physical education and music education majors do not need to take corequisite course. Students will be assigned full-time to practicum sites within their areas of specializations. During the course, students will engage in a variety of supervised instructional activities, assuming increasingly wider responsibility for class instruction. Practical are offered in the following areas of specialization: biology, chemistry, English, French, geology, history, mathematics, music, physical education (and health), physics, social studies, and Spanish.

Credit Hours: 12

Corequisite Courses: EDN 408
Additional Restrictions/Requirements: Corequisite course, and as specified for EDN 408.
University Studies: Explorations Beyond the Classroom, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

Note:

Students wishing to pursue teacher preparation programs must be formally admitted to the Watson College of Education and to the Teacher Education Program. Students in all programs should consult their advisors for admission procedures and for a list of courses requiring Watson College admissions. A grade of "C-" or better is required in education courses, as well as all courses in the interdisciplinary specialty and the professional semester. Students may repeat courses in which they earn a grade lower than a "C-" only with the permission of the dean of the Watson

College of Education. A cumulative grade point average of 2.70 is required for the practicum semester.

Professional Studies – Health and Physical Education

To earn teacher licensure in health and physical education, 28 hours of education courses and 18 hours in an academic concentration in addition to the specialty area are required.

Students pursuing teacher licensure in health and physical education must complete the following requirements in addition to those of the specialty area.

Program Objectives

- Demonstrate breadth of general knowledge, as well as depth of knowledge in the selected discipline area necessary for effective instructional decision making.
- Communicate effectively in standard English both verbally and in written formats.
- Adapt instruction to the developmental and learning needs of individuals, including children and adolescents with special needs and students from culturally diverse backgrounds.

- Establish a classroom climate conducive to the learning, social, and emotional needs of children and adolescents.
- Choose appropriate objectives consistent with state and local curriculum guidelines, the learning needs of students, and the standards established by learned societies.
- Use technology to enhance teaching and learning experiences.
- Demonstrate effective teaching including positive results for student learning, self-reflection, and appropriate professional dispositions.
- Employ and analyze appropriate assessments and evaluative procedures.

Professional Core:

EDN 200 - Teacher, School and Society

This course examines historical, sociological, and philosophical foundations of education as well as issues of diversity. The course engages students' knowledge, research, and analytical skills in relation to the goals and purposes of education. Students are challenged to critically reflect on personal and educational experiences as preservice

professionals. The course is designed to provide opportunities to observe and engage in reflective discussion of curriculum and instructional practices, school governance and organization, and school-community relationships, inclusive of field experience. **Additional liability insurance expense may be necessary.** The lab for this course is EDNL 200.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in Our Diverse Nation, Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.

EDN 203 - Psychological Foundations of Teaching

A study of the major psychological variables that influence learning in schools and their applications to teaching. Addresses theories and systems of learning (behavioral, cognitive, constructivist, and humanistic); major developmental processes and typical characteristics; and principles of motivation. Variables

explaining and accounting for individual differences will be examined, including cultural aspects of learning and special needs learners. Students will learn about practices associated with effective teaching, including classroom management, and standards for valid assessment of student learning.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

PSY 223 - Life Span Human Development

Variables and factors underlying human growth and development across the life span. Physical, cognitive, social, emotional, and sexual developments are emphasized.

Credit Hours: 3

Prerequisite Courses: PSY 105
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

Professional Studies:

EDN 303 - Instructional Technology

Emphasizes the design, selection, production, and evaluation of instructional materials, computer-generated presentations, and interactive multimedia, with particular emphasis on their effective integration into an instructional unit. Develops skill in the operation of media production equipment, including microcomputers, fundamentals of operating systems, computer software applications, networks, and telecommunications.

Credit Hours: 3

University Studies: Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

EDN 356 - Reading for K-12 Teachers

Required course in the teaching of reading. Basic instructional reading strategies are developed with emphasis on introducing assignments, improving study skills, and fostering critical thinking. Students identify and learn to teach reading skills specific to varying content areas. Adjusting instruction to students' reading capabilities is stressed.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

EDN 352 - Developing Reading and Writing Competence in the Middle Grades

Develops understanding of reading and writing processes in the broad context of communication. Presents strategies for fostering and evaluating interest, fluency, and skill in reading and writing, both in developmental literary classes and in middle level, content subjects. Topics include organizational and instructional strategies for the development of reading and writing ability, techniques for motivating and guiding readers and writers, and strategies for study and comprehension, which support learning in all areas

of the middle school curriculum. Field experiences required.

Credit Hours: 3

Additional Restrictions/Requirements: Admission to the Watson School of Education.
University Studies: Building Competencies/Writing Intensive, Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

Professional Semester:

EDN 409 - Student Teaching

Physical education and music education majors do not need to take corequisite course. Students will be assigned full-time to practicum sites within their areas of specializations. During the course, students will engage in a variety of supervised instructional activities, assuming increasingly wider responsibility for class instruction. Practical are offered in the following areas of specialization: biology, chemistry, English, French, geology, history, mathematics, music, physical

education (and health), physics, social studies, and Spanish.

Credit Hours: 12

Corequisite Courses: EDN 408
Additional Restrictions/Requirements: Corequisite course, and as specified for EDN 408.
University Studies: Explorations Beyond the Classroom, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

Note:

Students wishing to pursue teacher preparation programs must be formally admitted to the Watson College of Education and to the Teacher Education Program. Students in all programs should consult their advisors for admission procedures and for a list of courses requiring Watson College admissions. A grade of "C-" or better is required in education courses, as well as all courses in the interdisciplinary specialty and the professional semester. Students may repeat

courses in which they earn a grade lower than a "C-" only with the permission of the dean of the Watson College of Education. A cumulative grade point average of 2.70 is required for the practicum semester.

Academic Concentration:

An academic concentration of 18 semester hours is required. Specific course requirements for the various concentrations may be obtained from the academic advisors within the Watson College of Education. Academic concentrations may be selected from the following disciplines: anthropology, art, behavioral studies, biology, chemistry, community health, English, environmental studies, fine arts, French, geography, geology, health, history, literature studies, marine biology, mathematics, music, philosophy and religion, political science, psychology, science and humanities, social studies, sociology, Spanish, and theatre.

Professional Studies - Music Education

To earn teacher licensure in music education, 25 hours of education courses in addition to the specialty area are required.

Students pursuing teacher licensure in music education must complete the following requirements in addition to those of the specialty area.

Program Objectives

- Competency in fundamental musical knowledge and skills through analytical listening, sight-singing and functional piano playing.
- Competency in the application of knowledge of music theory through analysis, arranging and orchestrating.
- The ability to effectively communicate in writing on topics in the field of music history through the purposeful use of evidence, insightful reasoning, and supporting details.
- Skills in preparation for and performance of musical works that exhibit effective artistic expression.
- The ability to assess the need for, locate, evaluate and effectively use information to accomplish the goal of preparing written music for a performer.
- The ability to integrate skills and knowledge acquired over the course of an undergraduate education for the purpose of effectively teaching

music to K-12 students in the public schools in compliance with the competencies established by the NC Department of Public Instruction.

Professional Core:

EDN 200 - Teacher, School and Society

This course examines historical, sociological, and philosophical foundations of education as well as issues of diversity. The course engages students' knowledge, research, and analytical skills in relation to the goals and purposes of education. Students are challenged to critically reflect on personal and educational experiences as preservice professionals. The course is designed to provide opportunities to observe and engage in reflective discussion of curriculum and instructional practices, school governance and organization, and school-community relationships, inclusive of field experience. **Additional liability insurance expense may be necessary.** The lab for this course is EDNL 200.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in Our Diverse Nation, Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.

EDN 203 - Psychological Foundations of Teaching

A study of the major psychological variables that influence learning in schools and their applications to teaching. Addresses theories and systems of learning (behavioral, cognitive, constructivist, and humanistic); major developmental processes and typical characteristics; and principles of motivation. Variables explaining and accounting for individual differences will be examined, including cultural aspects of learning and special needs learners. Students will learn about practices associated with effective teaching, including classroom management, and standards for valid assessment of student learning.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and

Behaviors
Course Repeatability: Course may not be repeated.
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

PSY 105 - General Psychology

Principles of psychology with emphasis on scientific methods used in studying human behavior.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

Professional Studies:

EDN 340 - Applied Literacy Methods

This course emphasizes the instructional application of foundational and advanced literacy skills with a focus on the role of comprehension and research-based tools to support vocabulary acquisition, fluency, and reading for meaning. The lab for this course is EDNL 340.

Credit Hours: 3

Corequisite Courses: EDNL 340
Prerequisite Courses: EDN 240
Course Repeatability: Course may not be repeated.

EDN 356 - Reading for K-12 Teachers

Required course in the teaching of reading. Basic instructional reading strategies are developed with emphasis on introducing assignments, improving study skills, and fostering critical thinking. Students identify and learn to teach reading skills specific to varying content areas. Adjusting instruction to students' reading capabilities is stressed.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

Professional Semester:

EDN 409 - Student Teaching

Physical education and music education majors do not need to take corequisite course. Students will be

assigned full-time to practicum sites within their areas of specializations. During the course, students will engage in a variety of supervised instructional activities, assuming increasingly wider responsibility for class instruction. Practical are offered in the following areas of specialization: biology, chemistry, English, French, geology, history, mathematics, music, physical education (and health), physics, social studies, and Spanish.

Credit Hours: 12

Corequisite Courses: EDN 408
Additional Restrictions/Requirements: Corequisite course, and as specified for EDN 408.
University Studies: Explorations Beyond the Classroom, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

Note:

Students wishing to pursue teacher preparation programs must be formally admitted to the Watson

College of Education and to the Teacher Education Program. Students in all programs should consult their advisors for admission procedures and for a list of courses requiring Watson College admissions. A grade of "C-" or better is required in education courses, as well as all courses in the interdisciplinary specialty and the professional semester. Students may repeat courses in which they earn a grade lower than a "C-" only with the permission of the dean of the Watson College of Education. A cumulative grade point average of 2.70 is required for the practicum semester.

Bachelor's/Master's Combined Programs

Accounting Bachelor's/Master's Combined Program

Requirements: Completion of all degree requirements for both the B.S.B.A. in Accounting and the M.S. Accountancy with three credits of graduate-level courses (MSA 560 or MSA 522) that will count towards the B.S.B.A. Accounting concentration core and three credits of graduate-level courses (MSA 522 or MSA

560) that will count as free elective hours towards the B.S.B.A. degree.

Program Coordinator: Dr. William Kerler

Program Objective

This combined bachelor's/master's degree program is designed to provide qualified students the opportunity to complete both degree programs in five years. A student will earn a B.S. in Business Administration with a concentration in Accounting and an M.S. in Accountancy.

B.S.B.A. Accounting students must apply for admission to the 4+1 B.S. Accounting/M.S. Accountancy program. Six hours of courses taken at the 500-level will be dual counted towards both degrees. Upon completion of the B.S. degree, students have the option to apply to the graduate school and continue progress towards the M.S. Accountancy degree.

Admission

- Admission to the Cameron School of Business as an accounting concentration student
- "B" or better grade in ACG 301 and ACG 306

- Minimum overall GPA: 3.2
- Completion of the Undergraduate Request to Enroll in Graduate Courses Form
- Resume

Timeline

- Once students are admitted to the CSB and have completed ACG 301 and ACG 306, they can apply for admission into the 4+1 program. **Admission to the 4+1 program does not guarantee admission to the MSA program upon completion of the B.S. in Business Administration**.
- Students who successfully complete both 500-level accounting courses and all remaining B.S.B.A. degree requirements are awarded the B.S. in Business Administration with an Accounting Concentration.
- In the final semester of their B.S. program, students apply to the MSA program. If admitted to the MSA, the six credits earned at the 500-level will count towards the degree requirements of the M.S. Accountancy degree as long as the student earned a "B" or better in the course.

Curriculum

- MSA - 560 - Forensic Accounting and Fraud Examination
- MSA - 522 - Accounting Analytics and Business Database Systems
    - Either course can be used to replace ACG 445 or ACG 450, taken by non-combined program undergraduate accounting students

Frequently Asked Questions

Q: How many classes will students need to complete to earn the MSA?

A: Students in the 4+1 program must complete 32 credits of MSA courses, but six of those credits can be earned before they begin the program.

Q: Is there a grade requirement for the 500-level MSA courses taken by 4+1 students to also receive credit towards the MSA degree?

A: Yes, students must earn a "B" or better in the 500-level MSA course for it to double count as credit towards the MSA degree.

Art and Art Education, Bachelor's/Master's Combined Program

Program Coordinator: Dr. Christine Liao

The combined Art and Art Education Bachelor's/Master's program is a rigorously designed academic pathway that enables students to acquire both their B.A. in Studio Art, Art History, or Digital Art and M.A.T. in Art Education within a five-year framework* and prepares students to meet the licensure requirements and be eligible to obtain North Carolina K-12 Art teaching licensure. This program offers the opportunity for students to initiate their graduate coursework during their undergraduate years, seamlessly integrating undergraduate and graduate learning experiences. (*It might take longer if students do not obtain their B.A. on time or do not follow the suggested graduate course sequence. Students should consult the graduate program coordinator to plan for their graduate study.)

Program Feature:

- Provide students with a pathway to an art-teaching career and be qualified to teach art in NC K-12 public schools and other avenues of art education.
- Students can enroll in graduate-level courses while completing their undergraduate studies.

- Students can double-count 500-level courses for up to 6 credit hours toward both degrees as approved by the program coordinator.
- Art Education MAT is an online master's program with in-person field experience and a semester-long full-time internship in NC public schools during their final semester.

Eligibility Criteria

- Students currently enrolled in the B.A. in Studio Art, Art History, or Digital Art in junior or senior year
- Completed a minimum of 9 hours of undergraduate courses at the 300-400 level in the degree major before start taking graduate courses.
- Demonstrate a cumulative GPA of 3.0 or higher at the time of submission of application to the Graduate School.

Admission Requirements

- Students who meet the eligibility criteria may initiate the application process for the program in their junior year or senior year to begin taking graduate-level courses the following semester. The earliest semester to begin taking graduate-level

courses is the second semester of junior year and students must have completed a minimum of 9 hours of 300-400 level course in degree major.

- Students should fill out the appropriate forms to obtain permission from the department chair and the graduate program coordinator to apply for up to 6 credit hours of graduate-level courses toward their master's degree before taking graduate courses.
- Departmental permission to apply to the bachelor's/master's combined program does not guarantee admission to the Graduate School. Admission to the Graduate School is contingent upon meeting eligibility requirements at the time of entering the graduate program. Acceptance will be provisional and contingent on meeting specified degree requirements, including completion of the bachelor's degree.
- Students must submit a standard application to the Graduate School by the posted deadline for the semester in which they intend to enroll. Students must enroll in the Graduate School in Summer I the year prior to graduation.
- The Graduate School application requirements:

- An application for graduate admission
- Official transcripts of all college work (undergraduate and graduate)
- Three professional recommendations
- Two to three-page typed letter of interest which includes a description of the applicant's professional goals, educational interests in pursuing graduate study, and philosophy of teaching.
- Art portfolio: include 8-10 visual artworks with 100-word artist statement. Portfolio should be in PDF format in one document or website format. If the work is a digital work, the length should not exceed 10 minutes each. Please provide a link for viewing the work online.

Program Course and Exit Requirements

- The Art Education MAT program is an intensive online program designed to include Summer courses. Students must be able to take full-term Summer courses during the summer of the year before their intended completion of the master's program.

- The program includes field experience requirements in the AED 503 course. Students will be placed in three different levels of public schools (elementary, middle, and high school) in their chosen county. Students must fulfill the field experience hours and requirements in the three schools required by the course.
- The AED 504, Art Education Student Teaching, course (full-time internship) is a full-time commitment during the last semester in the master's program. Students will be placed in an NC public school of their chosen grade level and county. Students will be at the school from Monday to Friday during school hours during the last semester of their program.
- The AED 503 course is typically offered in the Fall semester, and the AED 504 course is typically offered in the Spring semester. Students must complete all other required courses before they can start their internship.
- Students must consult the program coordinator before taking any graduate courses.
- Students might be able to double-count for up to 6 credit hours of graduate-level courses toward their

undergraduate major requirements upon approval by the department chair.

- The master's program's exit requirement is to complete an action research or arts-based research project and successfully pass the oral defense.

Art Education M.A.T. Program Courses

- AED - 500 - Art Education Foundation and Curriculum
- AED - 501 - Art Education Pedagogy and Assessment
- AED - 502 - Media Arts, Media Literacy, and Technology in Art Education
- AED - 503 - Art Education Issues, Research, and Practice
- AED - 504 - Art Education Student Teaching
- or EDN - 530 - Non-Licensure Student Internship (Program Approval Required)
- AED - 505 - Seminar on Teaching, Learning, and Leadership
- EDN - 500 - Human Development and Learning
- EDN - 509 - Education in a Multicultural Context
- EDN - 520 - Instructional Development

EDN 500, 509, and 520 can be substitued with other 500 level education or art courses approved by the program.

Business Administration, Business Analytics Concentration and Business Analytics, Bachelor's/Master's Combined Program

Overview

Objective:	This combined B.S/M.S. degree program is designed to provide qualified students the opportunity to complete two degree programs in under five years. Upon successful completion of the program, a student will earn a B.S. in Business Administration with a concentration in Business Analytics and an M.S. in Business Analytics.
Requirements:	Completion of all degree requirements for both the B.S.B.A. in Business Analytics and the M.S. Business Analytics with six credits of graduate-

level courses that will count towards undergraduate Business Analytics concentration electives.

Program Prerequisites and Admission Requirements

- Admission to the Cameron School of Business as a Business Analytics concentration student
- Minimum GPA: 3.0
- Completion of the B.S./M.S. Combined Program in Business Analytics Application Form
- Completion of the Undergraduate Request to Enroll in Graduate Courses Form
- Two letters of recommendation
- Cover letter and resume

Rational For Proposed Plan

This program is an opportunity for students who excel in business analytics to pursue a specialized master's program. The combined program will benefit students in several ways:

- Waiver of the graduate application fee and admission to the MSBA program (pending

completion of MSBA program admission requirements)
- Allows six credit hours of graduate course work to satisfy six credit hours of undergraduate concentration requirements
- Avoids some duplication of content between undergraduate and graduate courses

Curriculum

Students must complete all requirements for the B.S. Business Administration with a Business Analytics Concentration as well as the requirements for the M.S. in Business Analytics.

B.S. Business Administration, Business Analytics Concentration Requirements:

MIS 315 - Management of Database Systems

Study of the design and administration of database systems in a business environment. The relational model is used along with database management software to facilitate the communication and distribution of data and its conversion into information, with an emphasis on sound design principles. Topics include

entity-relationship modeling, normalization, and the structured query language (SQL).

Credit Hours: 3

Prerequisite Courses: MIS 213 or CIT 213
Course Repeatability: Course may not be repeated.

- Three elective courses (from approved list, with one elective replaced by MIS 503 Programming for Analytics).

M.S. Business Analytics Requirements

- BAN 500 – Descriptive Analytics
- BAN 501 – Prescriptive Analytics
- BAN 502 – Predictive Analytics
- MIS 503 – Programming for Analytics (Replaces one undergraduate BAN elective)
- MIS 504 – Database for Analytics (Replaces MIS 315)
- MIS 505 – Data Visualization
- BAN 525 – Case Studies in Business Analytics
- BAN 530 – Applications of Business Analytics
- Two elective courses (from approved list)

Timeline

- Students who successfully complete the two 500-level MSBA courses and all remaining B.S. Business Administration degree requirements are awarded the B.S. in Business Administration with a Business Analytics Concentration.
- In the final semester of their B.S. program, students will apply for admission to the MSBA program. If admitted to the MSBA, the six credits earned at the 500-level will count towards the degree requirements of the M.S. Business Analytics degree.
- **Note: Students that receive acceptance into the combined degree program are still subject to the admission requirements for the MSBA program. Admission to the combined degree program does not guarantee admission to the MSBA program.**

Frequently Asked Questions

Q: How many classes will students need to complete to earn the MSBA?
A: Students must complete the full 30 credits of MSBA courses, but six of those credits can be earned before they begin the program.

Q: Can students be admitted to the MSBA program upon graduation from the BSBA if they earn Cs in their 500-level electives?

A: Graduate applications will be evaluated based on our existing admissions criteria. A student who meets the criteria can be admitted to the MSBA program. Courses at the 500-level in which the student earned a grade of C will not count towards the MSBA degree requirements and must be replaced or retaken after advising by the MSBA Director.

Q: What if I have additional questions about this program?

A: Please direct questions to Dr. Manoj Vanajakumari, Director of the MSBA Program.

Business Administration, Economics Concentration, and Finance & Investment Management, Bachelor's/Master's Combined Program

Overview

Objective: This combined bachelor's/master's degree program is designed to provide qualified students the opportunity to complete both degree programs in

under 5 years. A student will earn a Bachelor of Science (BS) in Business Administration with a concentration (BSBA) in Economics and a Master of Science (MS) in Finance & Investment Management (MSF).

BS of Business Administration Economics students must apply for admission to the 4+1
BS Economics/MS Finance program. Six (6) hours of courses taken at the 500-level will apply towards both degrees. Upon completion of the
BS degree, students have the option to apply to the graduate school and continue progress towards the MSF degree. The MSF program's curriculum is geared towards the Chartered Financial Analyst (CFA) designation.

The combined program will benefit students by:

- Allowing 6 graduate credits to satisfy undergraduate concentration electives
- Giving accepted students preference for departmental CFA Exam scholarships

Requirements: Completion of all degree requirements for both the BSBA. in Economics and the MSF with six credits of graduate-level courses that will count towards the finance concentration electives.

Program Prerequisites and Admission Requirements

- Admission to the Cameron School of Business as an economics concentration student
- Minimum GPA: 3.2
- Completion of the Undergraduate Request to Enroll in Graduate Courses Form
- Cover letter and resume

Curriculum

Students may count up to six (6) credits of 500-level finance courses towards the 400-level economics concentration electives. The courses available are:

- FIN 532 - Economics for Financial Professionals *(3 CH)*
- FIN 533 - Derivatives & Risk Management *(3 CH)* **replaces FIN 433**
- FIN 540 - Portfolio Management and Wealth Planning *(3 CH)* **replaces FIN 440**

Timeline

- Once students are admitted to the CSB and eligible to take their 400-level finance electives, they can apply for admission into the 4+1 program. **Admission to the 4+1 program does not guarantee admission to the MSF program upon completion of the BS in Business Administration**.

- With the help of the MSF Director, students can select up to six (6) credits of the available 500-level finance classes to substitute for their 400-level finance electives.

- Students who successfully complete the two 500-level electives and all remaining BSBA degree requirements are awarded the BS in Business Administration with an Economics Concentration.

- In the final semester of their BS program, students apply to the MSF program. If admitted to the MSF, the six (6) credits earned at the 500-level will count towards the degree requirements of the MS Finance & Investment Management degree.

Frequently Asked Questions

Q: How many classes will students need to complete to earn the MSF?
A: Students must complete the full thirty (30) credits of MSF courses, but six of those credits can be earned before they begin the program.

Q: Can students be admitted to the MSF program upon graduation from the BSBA if they earn Cs in their 500-level electives?
A: Graduate applications will be evaluated based on our existing admissions criteria. A student who meets the criteria can be admitted to the MSF program. Courses at the 500-level that earned a grade of C will

not count towards the MSF degree requirements and must be replaced or retaken after advising by the MSF Director.

Q: For double concentration students in economics and finance, what double dipping is allowed?

A: Students with double concentrations will have to choose the finance version of the 4+1 or the economics version of the 4+1, but cannot do both simultaneously.

Business Administration, Finance Concentration, and Finance & Investment Management, Bachelor's/Master's Combined Program

Overview

Objective:	This combined bachelor's /master's degree program is designed to provide qualified students the opportunity to complete both degree programs in under 5 years. A student will earn a Bachelor of Science (BS) in Business Administration with a concentration (BSBA) in Finance and an Master of

Science (MS).in Finance & Investment Management (MSF).

BS of Business Administration Finance students must apply for admission to the 4+1 BS Finance /M.S. Finance program. Six (6) hours of courses taken at the 500-level will towards both degrees. Upon completion of the BS degree, students have the option to apply to the graduate school and continue progress towards the MSF degree. The MSF program's curriculum is geared towards the Chartered Financial Analyst (CFA) designation.

The combined program will benefit students by:

- Allowing 6 graduate credits to satisfy undergraduate concentration electives

- Giving accepted students preference for departmental CFA Exam scholarships

Requirements: Completion of all degree requirements for both the BSBA in Finance and the MSF with six credits of graduate-level courses that will count towards the finance concentration electives

Program Prerequisites and Admission Requirements

- Admission to the Cameron School of Business as a finance concentration student
- Minimum GPA: 3.2
- Completion of the Undergraduate Request to Enroll in Graduate Courses Form
- Cover letter and resume

Curriculum

- FIN 501 - Ethics in the Financial Marketplace *Credit Hours:2*
- FIN 502 - Ethics in Decision Making *Credit Hours: 1*

- FIN 580 - Quantitative Investment Analysis *Credit Hours: 3*
- FIN 532 - Economics for Financial Professionals *Credit Hours: 3*
- FIN 536 - Corporate Finance *Credit Hours:* 3
- FIN 538 - Financial Reporting and Analysis *Credit Hours: 3* **replaces FIN 438**
- FIN 530 - Equity Investments *Credit Hours: 3*
- FIN 534 - Fixed Income Analysis *Credit Hours: 3*
- FIN 533 - Derivatives & Risk Management *Credit Hours: 3* **replaces FIN 433**
- FIN 540 - Portfolio Management and Wealth Planning *Credit Hours: 3*
- FIN 531 - Alternative Investments *Credit Hours: 3*

Timeline

- Once students are admitted to the CSB and eligible to take their 400-level finance electives, they can apply for admission into the 4+1 program. **Admission to the 4+1 program does not guarantee admission to the MSF program upon completion of the BS in Business Administration**.

- With the help of the MSF Director, students can select up to six credits of 500-level finance classes to substitute for their 400-level finance electives

- Students who successfully complete the two (2) 500-level electives and all remaining BSBA degree requirements are awarded the BS in Business Administration with a Finance Concentration

- In the final semester of their BS program, students apply to the MSF program. If admitted to the MSF, the six (6) credits earned at the 500-level will count towards the degree requirements of the MS Finance degree.

Frequently Asked Questions

Q: How many classes will students need to complete to earn the MSF?
A: Students must complete the full thirty (30) credits of MSF courses, but six (6) of those credits can be earned before they begin the program.

Q: Can students be admitted to the MSF program upon graduation from the BSBA if they earn Cs in their 500-level electives?

A: Graduate applications will be evaluated based on our existing admissions criteria. A student who meets the criteria can be admitted to the MSF program. Courses at the 500-level that earned a grade of C will not count towards the MSF degree requirements and must be replaced or retaken after advising by the MSF Director.

Q: For double concentration students in economics and finance, what double dipping is allowed?

A: Students with double concentrations will have to choose the finance version of the 4+1 or the economics version of the 4+1, but cannot do both simultaneously.

Business Administration, Information Systems Concentration, and Computer Science and Information Systems, Bachelor's/Master's Combined Program

Overview

Objective: This combined B.S/M.S. degree program is designed to provide qualified students the opportunity to complete two degree-programs in five years in an

accelerated manner. Upon successful completion of the program, a student will earn a B.S. in Business Administration (BSBA) with a concentration in Information Systems and an M.S. in Computer Science and Information Systems (MSCSIS).

Requirements: Completion of all degree requirements for both the BSBA with Information Systems concentration and the MSCSIS. A maximum of twelve credit hours can be counted for both the BSBA and the MSCSIS degrees.

Program Pre-requisites & Admission Requirements

- Admission to the Cameron School of Business with an Information Systems concentration
- Minimum GPA: 3.0
- Completion of the B.S./M.S. Combined Program in Information Systems Application Form
- Completion of the Undergraduate Request to Enroll in Graduate Courses Form
- Students must still apply for the MS CSIS program.

Rationale for Proposed Program

This program is an opportunity for students who excel in information systems to pursue a

specialized master's program. The combined program will benefit students in several ways:

- Waiver of the graduate application fee for the MSCSIS program
- Application of twelve credit hours of graduate course work to satisfy twelve credit hours of undergraduate degree requirements.
- Shorten the time required to complete the requirements of the MSCSIS program.

Curriculum

Students must complete the course requirements of both the BSBA. Information Systems Concentration program (21 hours) and the MSCSIS program (36 hours). A maximum of twelve credit hours may be "double-counted" toward both the BSBA and the MSCSIS degrees. For example, as part of the BSBA, students may replace up to six hours of 300 or 400 level MIS elective courses with MSCSIS core or allowable MSCSIS elective courses. Furthermore, as part of the BSBA, students may replace up to six hours of general undergraduate electives with MSCSIS core or allowable MSCSIS elective courses.

Note: Course credit will count for the BSBA regardless of whether the student applies to the MSCSIS program.

Timeline

• Students who successfully complete the four 500-level MSCSIS courses and all remaining BSBA degree requirements are awarded the B.S. in Business Administration with an Information Systems Concentration.
• In their junior year students will apply for the 4+1 program, and complete the Undergraduate Request to Enroll in Graduate Courses Form.
• In their senior year students will apply for admission to the MSCSIS program. If admitted to the MSCSIS program, the twelve credits earned at the 500-level will count towards the requirements of the MSCSIS program.
• Note: Students that receive acceptance into the combined degree program are still subject to the admission requirements for the MSCSIS program. Admission to the combined degree program does not guarantee admission to the MSCSIS program.

Computer Science and Information Systems, Bachelor's/Master's Combined Program

How to Apply

The combined bachelor's/master's degree program is designed to provide qualified students the means to complete the requirements for both degrees in a period of five years. A student will earn a B.S. in Computer Science and an M.S. in Computer Science and Information Systems. A key feature of the program is that a student can count up to 12 hours of graduate-level courses to fulfill requirements for the B.S. and use those same 12 credits toward the M.S. in Computer Science and Information Systems.

The program is designed for students in the B.S. program in Computer Science who have:

- Completed a minimum of **seventy-five** (75) and a maximum of **ninety-eight** (98) credit hours in their undergraduate programs. (Note: more hours may be permitted if the student is a double major.) Transfer students must have completed a minimum of two semesters as full-time students at UNCW, a minimum of 24 hours.
- Completed CSC 331 and completed a minimum of nine (9) hours of 300-400 level Computer Science.

- A minimum accumulated grade point average (GPA) of 3.0 and a minimum grade point average (GPA) of 3.2 on all 100-400 level Computer Science courses at UNCW.

Second Semester of Junior Year:

1. Students who meet the above criteria should meet with the Graduate Coordinator to fill out and submit the CSC 4+1 Application Information Form (opens as PDF) requesting permission from the department chair to apply up to 12 hours of graduate-level credit earned during their senior year towards their future master's work in Computer Science and Information Systems.
2. The department chair, in consultation with the M.S. CSIS graduate committee, may grant permission to apply up to 12 hours of graduate-level credit earned during the senior year towards the future master's degree in Computer Science and Information Systems. (Departmental permission to apply to the bachelor's/master's degree program **does not** guarantee admission to the Graduate School. Admission to the Graduate School is

contingent upon meeting eligibility requirements at the time of entering the graduate program.)

3. If permission is granted, the student meets with the Graduate Coordinator for advising and degree planning. During pre-registration, the students must fill out the Undergraduate Request to Enroll in Graduate Course (opens as PDF) form for graduate courses to be taken in the fall (typically 2 courses). This form requires signatures of approval from instructors of requested graduate courses, the Graduate Coordinator, the College of Arts & Sciences, and the Graduate School.

First Semester of Senior Year

1. Non-Business Option students should complete the online BUS 500 course (3 credits) during the summer before their senior year. This course is not necessary for students completing the Business Concentration.
2. The student typically will be enrolled in 3 graduate classes and 1-2 undergraduate classes. He or she should prepare to submit the standard application for admission to the Graduate School during the second semester of the senior year.

3. During pre-registration for the following spring, the student must fill out the Undergraduate Request to Enroll in Graduate Course (opens as PDF) for the graduate courses to be taken in the spring (typically 3 courses). This form requires signatures of approval from instructors of requested graduate courses, the Graduate Coordinator, the College of Arts & Sciences, and the Graduate School.
4. The student must submit a Graduate Degree Plan during the first semester of his or her senior year, signed by the prospective student, the department chair, and the graduate coordinator.

The Graduate Degree Plan for the master's degree must clearly indicate:

- The specific 500-level CSC courses (maximum of 12 graduate credit hours) that will be double-counted for both bachelor's and master's degrees.
- The intended graduation date for the master's degree (typically one year after the B.S.., in the spring)

Second Semester of Senior Year

Student will typically be enrolled in 2-3 graduate courses and 1-2 undergraduate courses.

Student should submit the standard application for admission to the Graduate School early in the semester. The application is here.

Upon the graduate committee's review of the submitted materials, a letter of acceptance (or denial) to the master's program will be sent to the student. Acceptance will be provisional and contingent on meeting specified degree requirements, including completion of the bachelor's degree and maintaining a 3.0 or better on all 500-level courses. A student who is ineligible to participate or continue in, or withdraws from, the bachelor's/master's program, can only count earned credits towards an undergraduate degree. For more details, see the graduate coordinator.

Summer after B.S. Graduation

Because this is an accelerated program, students will need to complete 3 hours during the summer. They may choose from among internships, DIS, or a single graduate CSC or MIS course for the 3 hours.

Final Year in Program

Students will need to be registered full-time (9 hours) each semester. Students with TA or GA positions need to be aware of other obligations.

Total hours: 36

The program is 36 hours total (12 of which are counted for both B.S. and M.S.).

English, Bachelor's/Master's Combined Program

The bachelor's/master's degree program is designed to provide exceptional students in English a means to complete the requirements for both degrees in a period of five years. The key feature of the program is that a student can count up to 12 hours of graduate level courses satisfying requirements for the B.A. toward a non-thesis Master's degree in English.

The program is designed for students in the B.A. program in English who have:

1. Completed a minimum of seventy-five (75) and a maximum of ninety-eight (98) credit hours in their undergraduate programs in English. Transfer students must have completed a minimum of two

semesters as a full-time student at UNCW, a minimum of 24 hours.
2. Completed ENG 204 or ENG 205, and a minimum of nine (9) hours of 300-400 level English courses.
3. A minimum accumulated grade point average (GPA) of 3.5/4.0 and a minimum grade point average (GPA) of 3.7/4.0 on all 200-400 level English courses at UNCW.

Students who meet the above criteria may request permission from the department chair to apply up to 12 hours of graduate-level credit earned during their senior year toward their futre master's degree in English. Departmental permission to apply to the bachelor's/master's degree does not guarantee admission to the Graduate School. Admission to the Graduate School is contingent upon meeting eligibility requirements at the time of entering the graduate program. Acceptance will be provisional and contingent on meeting specified degree requirements including completion of the bachelor's degree.

Students accepted into the combined program:

- Must submit the standard English application for admission to the Graduate School by the posted

deadline for the semester in which the student intends to enroll.

- Must submit to the Graduate Coordinator a Graduate Degree Plan during the first semester of their senior year, signed by the prospective student, the department chair, and the graduate coordinator. This Graduate Degree Plan for the master's degree must clearly indicate:
    - The specific 500-level ENG courses (maximum of 12 graduate credit hours) that will be double-counted for both bachelor's and master's degrees (contingent upon acceptance in the MA program).
    - The student's intention to fulfill course requirements for the master's degree no later than a year after receiving the bachelor's degree; and
    - The intended graduation date for the master's degree.

A student who is ineligible to participate or continue in, or withdraws from the bachelor's/master's program, cannot double count any courses for both bachelor's and master's degrees. For more details, see the graduate coordinator.

Exercise Science and Applied Gerontology, Bachelor's/Master's Combined Program

Program Coordinator: Tina Newsham, Ph.D. I Program Coordinator & Professor

(4 +1 Combined Programs I UNCW)

Overview

Objective: This combined bachelor's/master's degree program is designed to provide qualified students the opportunity to complete both degree programs in as little as five years. The successful student will earn a Bachelor of Science (B.S.) degree in Exercise Science and a Master of Science (M.S.) in Applied Gerontology (MGRN).

Undergraduate students in Exercise Science must apply for admission to the 4+1 B.S. in Exercise Science / M.S. in Applied Gerontology Combined Program. Students should apply to the 4+1 combined program in the semester in which they are completing their 75th credit hour so that they can begin graduate

coursework the semester thereafter; undergraduate students can begin the 4+1 combined program in the fall or spring semester. Twelve hours of courses taken at the 500-level will be dual counted towards both degrees. Students then have the option to apply to the graduate school and continue progress towards the MGRN degree upon completion of the bachelor's degree.

Requirements: Completion of all degree requirements for both the B.S. in Exercise Science and the M.S. in Applied Gerontology, with twelve credits of graduate-level courses that will count toward undergraduate requirements.

Program Prerequisites and Admission Requirements

- Admission to the School of Health and Applied Human Sciences as a B.S. in Exercise Science student
- Minimum GPA: 3.0
- At least 75 completed undergraduate credit hours prior to starting graduate courses
- Completion of the application found at https://uncw.edu/chhs/shahs/academic/graduate/gerontology/index.html

- One letter of recommendation from a faculty member with whom the student has taken a 300 or 400-level course
- Cover letter describing interest in the program and career goals related to gerontology
- Unofficial UNCW transcript

Rationale for Program

This program is an opportunity for students interested in working with older adults to develop knowledge, skills, and experience with and about the most rapidly growing segment of the population. Drawing on the Academy for Gerontology in Higher Education's competencies as a framework, our goal is to educate gerontologists who will improve quality of life and promote well-being of persons as they age within their families, communities and societies through research, education and application of interdisciplinary knowledge of the aging process and aging populations.

The purpose of the combination Bachelor of Science degree in Exercise Science and Master of Science degree in Applied Gerontology program is to offer an accelerated path toward a Master of Science degree that will prepare graduates to practice in health-care

and community-based settings that serve older adults, and be leaders in the intersection of exercise science, gerontology, and wellness. The combined program prepares students to pursue further degrees in physical therapy, occupational therapy, and other health-care related fields. It also prepares those students to work in wellness programs in retirement communities, recreation programs, and senior centers, or as an exercise physiologist or fitness trainer focusing on working with older adults. This preparation places a priority on the development of skills through in- and out-of class applied learning experiences, internships, and community engagement. Furthermore, student learning outcomes emphasize critical thinking and evidence-based practice as means of assisting older adult clients in reaching their goals, and maximizing their quality of life.

The combined program will benefit students by:

- Providing invaluable knowledge and experience working with older adults.
- Allowing 12 graduate credits to satisfy undergraduate and graduate requirements.

- Reducing costs of graduate education due to the ability to enroll in graduate courses during an undergraduate degree program at the undergraduate tuition rate.

Curriculum

Students must meet all requirements for the Exercise Science, B.S. Students may count 12 credits of 500-level courses in the MGRN curriculum toward requirements for their undergraduate program of study. Undergraduate students in a combined program taking GRN 503 will receive credit for three University Studies categories: Information Literacy, Writing Intensive and Critical Reasoning. The courses available are:

- GRN 501 Aging and Society
- GRN 503 Investigative Inquiry in Gerontology
- GRN 525 Health and Aging
- PSY 524 Psychology of Aging (Instead of PSY 324 Psychology of Aging)

For students who are admitted into the MGRN program:

Remaining requirements to complete the Applied Gerontology, M.S. degree can be found in the UNCW Graduate Catalogue.

Timeline

- Once students are enrolled in the Exercise Science major and are completing their 75th credit hour, they can apply for admission into the 4+1 combined program.
- After completing at least 75 undergraduate credit hours, those admitted to the 4+1 program can enroll in the 12 designated graduate courses.
- Students who successfully complete the 12, 500-level credits and all remaining Exercise Science degree requirements are awarded a B.S. in Exercise Science.
- In the final semester of their bachelor's program, students may apply to the MGRN program for summer or fall admission. Applicants must meet all Graduate School admissions requirements and submit their application by the stated deadline. Admission to the 4+1 combined program does not guarantee admission to the MGRN program upon completion of the bachelor's degree.

- If admitted to the MGRN, the 12 credits earned at the 500-level will count toward the degree requirements of the M.S. in Applied Gerontology degree.
- The following schedule details the progression to completion of the master's degree in one year (note that only one of the two summer terms is required):

Summer	Fall	Spring	Summer
• GRN 590 Practicum in Gerontology	• GRN 590 Practicum in Gerontology (repeated for credit)	• GRN 540 Current Issues in Gerontology	• GRN 59 Practicu in Geronto
• Elective	• GRN 597 Project Proposal	• GRN 598 Final Project	• Elective
	• Elective	• Elective	

- Students who do not go on to the M.S. in Applied Gerontology may apply for admission to the Post-Baccalaureate Certificate in Gerontology and have

the 12 credits earned at the 500-level count toward the degree requirements of the certificate.

Information Technology and Computer Science and Information Systems, Bachelor's/Master's Combined Program

The combined bachelor's/master's degree program is designed to provide qualified students the means to complete the requirements for both degrees in a period of five years. Upon completion, a student will earn a B.S. in Information Technology and an M.S. in Computer Science and Information Systems. A key feature of the program is that a student can count up to 12 hours of graduate-level courses to fulfill requirements for the B.S. and use those same 12 credits toward the M.S. in Computer Science and Information Systems.
The program is designed for students in the B.S. program in Information Technology who have:

- Completed a minimum of sixty-seven (67) credit hours in their undergraduate programs. (Note: more hours may be permitted if the student is a double major.) Transfer students must have

completed a minimum of two semesters as full-time students at UNCW, a minimum of 24 hours.

- Completed BUS 500 and CSC 500
- A minimum accumulated grade point average (GPA) of 3.0 and a minimum grade point average (GPA) of 3.2 on all 100-400 level courses that are core or required within Information Technology at UNCW.

Second Semester of Junior Year

1. Students who meet the above criteria should meet with the Graduate Coordinator to fill out and submit the IT 4+1 Application Information Form (opens as PDF) requesting permission from the department chair to apply up to 12 hours of graduate-level credit earned during their senior year towards their future master's work in Computer Science and Information Systems.
2. The program coordinator, in consultation with the M.S. CSIS graduate committee, may grant permission to apply up to 12 hours of graduate-level credit earned during the senior year towards the future master's degree in Computer Science and Information Systems. (Program permission to

apply to the bachelor's/master's degree program does not guarantee admission to the Graduate School. Admission to the Graduate School is contingent upon meeting eligibility requirements at the time of entering the graduate program.)

3. If permission is granted, the student meets with the Graduate Coordinator for advising and degree planning. During pre-registration, the students must fill out the Undergraduate Request to Enroll in Graduate Course(s) form (opens as PDF) for graduate courses to be taken in the fall (typically 2 courses). This form requires signatures of approval from instructors of requested graduate courses, the Graduate Coordinator, the Cameron School of Business and the College of Arts & Sciences, and the Graduate School.

Summer before Senior Year

Students should complete both the online BUS 500 course (3 credits) and the CSC 500 course (3 credits) during the summer before their senior year.

First Semester of Senior Year

1. The student typically will be enrolled in 3 graduate classes and 1-2 undergraduate classes. He or she should prepare to submit the standard application for admission to the Graduate School during the second semester of the senior year.
2. During pre-registration for the following spring, the student must fill out the Undergraduate Request to Enroll in Graduate Course(s) form (opens as PDF) for the graduate courses to be taken in the spring (typically 3 courses). This form requires signatures of approval from instructors of requested graduate courses, the Graduate Coordinator, the Cameron School of Business and the College of Arts & Sciences, and the Graduate School.
3. The student must submit a CSIS Graduate Degree Plan during the first semester of his or her senior year, signed by the prospective student, the department chair, and the graduate coordinator.

The Graduate Degree Plan for the master's degree must clearly indicate:

- The specific 500-level CSC or MIS courses (maximum of 12 graduate credit hours between CSC and MIS courses) that will be double-counted for both bachelor's and master's degrees; and

- The intended graduation date for the master's degree (typically one year after the B.S. in the spring).

Second Semester of Senior Year

Student will typically be enrolled in 2-3 graduate courses and 1-2 undergraduate courses.

Student should submit the standard application for admission to the Graduate School early in the semester. The application is here.

Upon the graduate committee's review of the submitted materials, a letter of acceptance (or denial) to the master's program will be sent to the student. Acceptance will be provisional and contingent on meeting specified degree requirements, including completion of the bachelor's degree and maintaining a 3.0 or better on all 500-level courses. A student who is ineligible to participate or continue in, or withdraws from, the bachelor's/master's program, can only count earned credits towards an undergraduate degree. For more details, see the graduate coordinator.

Second Semester of Senior Year

Student will typically be enrolled in 2-3 graduate courses and 1-2 undergraduate courses.

Student should submit the standard application for admission to the Graduate School early in the semester. The application is here.

Upon the graduate committee's review of the submitted materials, a letter of acceptance (or denial) to the master's program will be sent to the student. Acceptance will be provisional and contingent on meeting specified degree requirements, including completion of the bachelor's degree and maintaining a 3.0 or better on all 500-level courses. A student who is ineligible to participate or continue in, or withdraws from, the bachelor's/master's program, can only count earned credits towards an undergraduate degree. For more details, see the graduate coordinator.

Summer after B.S. Graduation

Because this is an accelerated program, students will need to complete 3 hours during the summer. They may choose from among internships, Directed Individual Study (DIS), or a single graduate Computer

Science (CSC) or Management Information Systems (MIS) course for the 3 hours.

Final Year in Program

Students will need to be registered full-time (9 hours) each semester. Students with teaching assistant or graduate assistant positions need to be aware of other obligations.

The program is 36 hours total (12 of which are counted for both B.S. and M.S.).

Mathematics, Bachelor's/Master's Combined Program

The bachelor's/master's degree program is designed to provide a student in mathematics a means to complete the requirements for both degrees in a period of five years. The key feature of the program is that a student can count up to 12 hours of graduate level courses satisfying requirements for the B.A. or B.S. towards the M.S. in mathematics.

A. Students in the B.A. or B.S. program in mathematics who have:

1. Completed a minimum of 75 and a maximum of 98 credit hours in their undergraduate programs in mathematics, including credits earned from advanced placement if they started at UNCW or are transfer students and have completed a minimum of 2 semesters as a full-time student at UNCW, a minimum of 24 hours.
2. Completed a minimum of 9 hours of 300-400 level mathematics or statistics courses.
3. A minimum accumulated grade point average of 3.00/4.00 and a minimum grade point average of 3.00/4.00 on all 300-400 level mathematics or statistics courses at UNCW.

Students may apply to the department chair for permission to apply up to 12 credit hours of graduate level course work during their senior year toward their future master's degree.

B. In his/her senior year, the student must submit the standard application for admission to the Graduate School including: an application form, application fee, transcripts, and GRE scores to the Graduate School. In addition, a graduate degree plan, signed by the prospective student, the department chair,

and the graduate coordinator must be submitted before the beginning of the student's senior year. Departmental permission to apply to the bachelor's/master's degree program does not guarantee admission to the Graduate School. Admission is contingent on meeting eligibility requirements at the time of entering the graduate program.

C. The graduate degree plan for the master's degree must clearly indicate:

- Courses (maximum of 12 graduate credit hours) that will be double-counted for both bachelor's and master's degree;
- Additional graduate courses that will be taken but not counted toward the bachelor's degree;
- The student intends to fulfill his/her course requirements for the master's degree no later than a year after receiving the bachelor's;
- Intended graduation date for the master's degree.

For additional information about the bachelor's/master's degree program and its requirements, students should contact the graduate coordinator in the Department of Mathematics and Statistics.

Psychology and Applied Gerontology, Bachelor's/Master's Combined Program

Overview

Objective: This combined bachelor's/master's degree program is designed to provide qualified students the opportunity to complete both degree programs in as little as five years. The successful student will earn a B.A. in Psychology and an M.S. in Applied Gerontology (MGRN).

Undergraduate students in Psychology must apply for admission to the 4+1 B.A. Psychology / M.S. in Applied Gerontology Combined Program. Students should apply to the 4+1 combined program in the semester in which they are completing their 75th credit hour so that they can begin graduate coursework the semester thereafter; undergraduate students can begin the 4+1 combined program in the fall or spring semester. Twelve hours of courses taken at the 500-level will be dual counted towards both degrees. Students then have the option to apply to the graduate school and continue progress towards the MGRN degree upon completion of the bachelor's degree.

Requirements: Completion of all degree requirements for both the bachelor's degree in Psychology and the master's degree in Applied Gerontology with twelve credits of graduate-level courses that will count toward undergraduate requirements.

Program Prerequisites and Admissions Requirements

- Admission to the College of Arts and Sciences as a B.A. in Psychology student
- Minimum GPA: 3.0
- At least 75 completed undergraduate credit hours prior to starting graduate courses
- Completion of the application found at https://uncw.edu/chhs/shahs/academic/graduate/gerontology/index.html
- One letter of recommendation from a faculty member with whom the student has taken a 300 or 400-level course
- Cover letter describing interest in the program and career goals related to gerontology
- Unofficial UNCW transcript

The combined program will benefit students by:

- Providing invaluable knowledge and experience working with older adults
- Allowing 12 graduate credits to satisfy undergraduate and graduate requirements
- Reducing costs of earning a master's degree as graduate courses completed by undergraduate students are billed at undergraduate tuition rates

Curriculum

Students must meet all requirements for the Psychology, B.A. Students may count 12 credits of 500-level courses in the MGRN curriculum toward requirements for their undergraduate program of study. Undergraduate students in a combined program taking GRN 503 will receive credit for three University Studies categories: Information Literacy, Writing Intensive and Critical Reasoning. The courses available are:

- GRN 501 Aging and Society
- GRN 503 Investigative Inquiry in Gerontology
- GRN 525 Health and Aging
- PSY 524 Psychology of Aging

For students who are admitted to the MGRN program:

Remaining requirements to complete that degree can be found in the UNCW Graduate Catalogue.

Timeline

- Once students are enrolled in the Psychology major and are completing their 75th credit hour, they can apply for admission into the 4+1 combined program.
- After completing at least 75 undergraduate credit hours, those admitted to the 4+1 program can enroll in the 12 designated graduate courses.
- Students who successfully complete the 12 500-level credits and all remaining Psychology degree requirements are awarded a B.A. in Psychology.
- In the final semester of their bachelor's program, students may apply to the MGRN program for summer or fall admission. Applicants must meet all Graduate School admissions requirements and submit their application by the stated deadline. Admission to the 4+1 combined program does not guarantee admission to the MGRN program upon completion of the bachelor's degree.
- If admitted to the MGRN, the 12 credits earned at the 500-level will count toward the degree

requirements of the M.S. in Applied Gerontology degree.

- The following schedule details the progression to completion of the master's degree in one year (note that **only one of the two summer terms is required**):

Summer	Fall	Spring	Summer
• GRN 590 Practicum in Gerontology	• GRN 590 Practicum in Gerontology (repeated for credit))	• GRN 540 Current Issues in Gerontology	• GRN 59 Practicu in Geronto
• Elective	• GRN 597 Project Proposal	• GRN 598 Final Project	• Elective
	• Elective	• Elective	

- Students who do not go on to the M.S. in Applied Gerontology program may apply for admission to the Post-Baccalaureate Certificate in Gerontology and have the 12 credits earned at the 500-level

count toward the degree requirements of the Certificate.

Public Health and Applied Gerontology, Bachelor's/Master's Combined Program

Program Coordinator: Tina Newsham, Ph.D. I Program Coordinator & Professor

(4 +1 Combined Programs I UNCW)

Overview

Objective: This combined bachelor's/master's degree program is designed to provide qualified students the opportunity to complete both degree programs in as little as five years. The successful student will earn a bachelor's degree in Public Health and an M.S. in Applied Gerontology (MGRN).

Undergraduate students in Public Health must apply for admission to the 4+1 B.S. in Public Health / M.S. in Applied Gerontology Combined Program. Students should apply to the 4+1 combined program in the semester in which they are completing their 75th credit hour so that they can begin graduate coursework the semester thereafter; undergraduate students can begin

the 4+1 combined program in the fall or spring semester. Twelve hours of courses taken at the 500-level will be dual counted towards both degrees. Students then have the option to apply to the graduate school and continue progress towards the MGRN degree upon completion of the bachelor's degree.

Requirements: Completion of all degree requirements for both the bachelor's degree in Public Health and the master's degree in Applied Gerontology with twelve credits of graduate-level courses that will count toward undergraduate requirements.

Program Prerequisites and Admission Requirements

- Admission to the School of Health and Applied Human Sciences as a B.S. in Public Health student
- Minimum GPA: 3.0
- At least 75 completed undergraduate credit hours prior to starting graduate courses
- Completion of the application found at https://uncw.edu/chhs/shahs/academic/graduate/gerontology/index.html

- One letter of recommendation from a faculty member with whom the student has taken a 300 or 400-level course
- Cover letter describing interest in the program and career goals related to gerontology
- Unofficial UNCW transcript

Rationale for Program

This program is an opportunity for students interested in working with older adults to develop knowledge, skills, and experience with and about the most rapidly growing segment of the population. Drawing on the Academy for Gerontology in Higher Education's competencies as a framework, our goal is to educate gerontologists who will improve quality of life and promote well-being of persons as they age within their families, communities and societies through research, education and application of interdisciplinary knowledge of the aging process and aging populations.

The purpose of the combined Bachelor of Science degree in Public Health and Master of Science degree in Applied Gerontology is to offer an accelerated path toward a Master of Science degree that prepares graduates with knowledge, skills, and competencies

within public health and gerontology. These educational experiences prepare graduates to work in health-related and community-based settings serving older adults, and to be leaders in the fields of public health, gerontology, and healthcare. Furthermore, student outcomes emphasize critical thinking and evidence-based practices as means of assisting older adult clients and aging services provider organizations in reaching their goals and maximizing quality of life for older adults.

The combined program will benefit students by:

- Providing invaluable knowledge and experience working with older adults
- Allowing 12 graduate credits to satisfy undergraduate and graduate requirements
- Reducing costs of earning a master's degree as graduate courses completed by undergraduate students are billed at undergraduate tuition rates

Curriculum:

Students must meet all requirements for the B.S. in Public Health. Students may count 12 credits of 500-level courses in the MGRN curriculum toward

requirements for their undergraduate program of study. Undergraduate students in a combined program taking GRN 503 will receive credit for three University Studies categories: Information Literacy, Writing Intensive and Critical Reasoning. The courses available are:

GRN 501 Aging and Society (instead of SOC 336 Sociology of Aging)
GRN 503 Investigative Inquiry in Gerontology (instead of GRN 440 Current Issues in Gerontology)
GRN 525 Health and Aging (instead of HEA 325 Health and Aging)
PSY 524 Psychology of Aging (instead of PSY 324 Psychology of Aging)

For students who are admitted to the MGRN program:

Remaining requirements to complete the MGRN program can be found in the UNCW Graduate Catalogue.

Timeline

- Once students are enrolled in the Public Health major and are completing their 75th credit hour,

they can apply for admission into the 4+1 combined program.

- After completing at least 75 undergraduate credit hours, those admitted to the 4+1 program can enroll in the 12 designated graduate courses.
- Students who successfully complete the 12 500-level credits and all remaining Public Health degree requirements are awarded a B.S. in Public Health.
- In the final semester of their bachelor's program, students may apply to the MGRN program for summer or fall admission. Applicants must meet all Graduate School admissions requirements and submit their application by the stated deadline. Admission to the 4+1 combined program does not guarantee admission to the MGRN program upon completion of the bachelor's degree.
- If admitted to the MGRN, the 12 credits earned at the 500-level will count toward the degree requirements of the M.S. in Applied Gerontology degree.
- The following schedule details the progression to completion of the master's degree in one year (note that **only one of the two summer terms is**

required):

Summer	Fall	Spring	Summer
• GRN 590 Practicum in Gerontology	• GRN 590 Practicum in Gerontolgy (repeated for credit)	• GRN 540 Current Issues in Gerontology	• GRN 590 Practicum in Gerontolo
• Elective	• GRN 597 Project Proposal	• GRN 598 Final Project	• Elective
	• Elective	• Elective	

- Students who do not go on to the M.S. in Applied Gerontology program may apply for admission to the Post-Baccalaureate Certificate in Gerontology and have the 12 credits earned at the 500-level count toward the degree requirements of the certificate.

Recreation Therapy and Applied Gerontology, Bachelor's/Master's Combined Program

Program Coordinator: Tina Newsham, Ph.D. l Program Coordinator & Professor

(4 +1 Combined Programs l UNCW)

Overview

Objective: This combined bachelor's/master's degree program is designed to provide qualified students the opportunity to complete both degree programs in as little as five years. The successful student will earn a Bachelor's of Arts (B.A.) degree in Recreation Therapy and a Master's of Science (M.S.) degree in Applied Gerontology (MGRN).

Undergraduate students in Recreation Therapy must apply for admission to the 4+1 B.A. in Recreation Therapy / M.S. in Applied Gerontology Combined Program. Students should apply to the 4+1 combined program in the semester in which they are completing their 75th credit hour so that they can begin graduate coursework the semester thereafter. While undergraduate students can begin the 4+1 combined program in the fall or spring semester, students in this combined program should begin three semesters prior to their anticipated graduation as it is not recommended

that students take additional courses during their Recreation Therapy internship in their final semester. Up to twelve hours of courses taken at the 500-level will be dual counted towards both degrees. Students then have the option to apply to the graduate school and continue progress towards the MGRN degree upon completion of the bachelor's degree.

Requirements: Completion of all degree requirements for both the B.A. in Recreation Therapy and the M.S. in Applied Gerontology with twelve credits of graduate-level courses that will count toward undergraduate requirements.

Program Prerequisites and Admission Requirements

- Admission to the School of Health and Applied Human Sciences as a B.A. in Recreation Therapy student
- Minimum GPA: 3.0
- At least 75 completed undergraduate credit hours prior to starting graduate courses
- Completion of the application found at https://uncw.edu/chhs/shahs/academic/graduate/gerontology/index.html

- One letter of recommendation from a faculty member with whom the student has taken a 300 or 400-level course
- Cover letter describing interest in the program and career goals related to gerontology
- Unofficial UNCW transcript

Rationale for Program

This program is an opportunity for students interested in working with older adults to develop knowledge, skills, and experience with and about the most rapidly growing segment of the population. Drawing on the Academy for Gerontology in Higher Education's competencies as a framework, our goal is to educate gerontologists who will improve quality of life and promote well-being of persons as they age within their families, communities and societies through research, education and application of interdisciplinary knowledge of the aging process and aging populations.

The purpose of the combined Bachelor of Arts degree in Recreation Therapy and Master of Science degree in Applied Gerontology is to offer an accelerated path toward a Master of Science degree that prepares graduates with knowledge, skills, and competencies to

practice recreation therapy in healthcare and community-based settings serving older adults. This preparation prioritizes the development of skills via applied learning experiences, practica, internship, and community engagement. Furthermore, student outcomes emphasize critical thinking and evidence-based practices as means of assisting older adult clients and aging services provider organizations in reaching their goals and maximizing quality of life for older adults.

The combined program will benefit students by:

- Providing invaluable knowledge and experience working with older adults
- Allowing 12 graduate credits to satisfy undergraduate and graduate requirements
- Reducing costs of graduate education due to the ability to enroll in graduate courses during an undergraduate degree program at the undergraduate tuition rate

Curriculum

Students must meet all requirements for the Recreation Therapy, B.A. Students may count up to 12 credits of

500-level courses in the MGRN curriculum toward requirements for their undergraduate program of study. Undergraduate students in a combined program taking GRN 503 will receive credit for three University Studies categories: Information Literacy, Writing Intensive and Critical Reasoning. The courses available are:

- GRN 501 Aging and Society
- GRN 503 Investigative Inquiry in Gerontology *Or* RTH 559 Research Methods
- GRN 525 Health and Aging (replaces one Modality requirement)
- PSY 524 Psychology of Aging (replaces one Modality requirement)

For students who are admitted to the MGRN program:

Remaining requirements to complete that degree can be found in the UNCW Graduate Catalogue.

Timeline

- Once students are enrolled in the Recreation Therapy major and are completing their 75th credit

hour, they can apply for admission into the 4+1 combined program.

- After completing at least 75 undergraduate credit hours, those admitted to the 4+1 program can enroll in the 12 designated graduate courses.
- Students who successfully complete the 12, 500-level credits and all remaining Recreation Therapy degree requirements are awarded a B.A. in Recreation Therapy.
- In the final semester of their bachelor's program, students may apply to the MGRN program for summer or fall admission. Applicants must meet all Graduate School admissions requirements and submit their application by the stated deadline. Admission to the 4+1 combined program does not guarantee admission to the MGRN program upon completion of the bachelor's degree.
- If admitted to the MGRN, the graduate credits earned at the 500-level will count toward the degree requirements of the M.S. in Applied Gerontology degree.
- The following schedule details the progression to completion of the master's degree in one year

(note that **only one of the two summer terms is required**):

Summer	Fall	Spring	Fall
• GRN 590 Practicum in Gerontolgy	• GRN 590 Practicum in Gerontology (repeated for credit)	• GRN 540 Current Issues in Gerontology	• GRN 590 Practicum in Gerontolo
• Elective	• GRN 597 Project Proposal	• GRN 598 Final Project	• Elective
	• Elective	• Elective	

- Students who do not progress to the M.S. in Applied Gerontology program may apply for admission to the Post-Baccalaureate Certificate in Gerontology and have the graduate credits earned at the 500-level count toward the degree requirements of the certificate.

Secondary Education, Bachelor's/Master's Combined Program

The combined program in secondary education is designed to provide qualified students the means to complete the requirements for a bachelor's degree in mathematics, science, history, English, or a related field, and a master's degree in secondary education in a period of five years (including one summer). The key feature of the program is that students take 3-6 credits of graduate coursework that will count for the student's undergraduate and graduate program. Students will apply to take the 3-6 hours of graduate credit in fall of their senior year to begin graduate coursework in the spring semester. Students will apply to the Graduate School in the spring of their senior year to continue the program. The MAT cohort begins summer 1, so students must be fully admitted before then.

This program is designed for students currently in the B.A. or B.S. programs in mathematics, science, history, English, or a related field at UNCW who have:

1. Completed a minimum of sixty (60) credit hours in their undergraduate program leading toward a major in mathematics, science, history, English, or a related field, including credits earned from advanced placement if they start at UNCW or are transfer students and have completed a minimum

of two semesters as a full-time student at UNCW, a minimum of 24 hours.

2. Completed a minimum of 9 hours of 300-400 level courses in the degree content area at the time of application.

3. A minimum accumulated grade point average (GPA) of 3.0 at time of submission of application to the Graduate School.

Students who meet the above criteria may request permission from the department chair in Instructional Technology, Foundations and Secondary Education to apply up to 6 hours of graduate-level credit earned during their senior year towards their future master's degree in Secondary Education. Departmental permission to apply to the bachelor's/master's degree program does not guarantee admission to the Graduate School and is contingent upon meeting eligibility requirements at the time of application. Acceptance will be provisional and contingent on meeting specified degree requirements; including completion of the bachelor's degree.

Spanish, Bachelor's/Master's Combined Program

The bachelor's/master's degree program in Spanish is designed to provide a student means to complete the requirements for both degrees in a period of five years. The key feature of the program is that a student can count up to 12 hours of graduate-level courses in order to fulfill requirements for the B.A. and use those same 12 credits toward the M.A. in Spanish.

This program is designed for students currently in the B.A. in Spanish program at UNCW who have:

1. Completed a minimum of seventy-five (75) and a maximum of ninety-eight (98) credit hours, including credits earned from advanced placement if they start at UNCW or are transfer students. (Note: More hours may be permitted under certain circumstances.) Transfer students must have completed a minimum of two semesters as full-time students at UNCW, a minimum of 24 hours.

2. Completed a minimum of twelve (12) hours of 300- or 400-level Spanish courses.

3. Completed at least one of these courses: SPN 308, SPN 311 , SPN 312, SPN 321, SPN

322, SPN 323, SPN 385.

4. A minimum accumulated grade point average (GPA) of 3.3 and minimum grade point average (GPA) of 3.3 in the Spanish major.

Students who meet the above criteria may request permission from the department chair to apply up to 12 hours of graduate-level credit earned during their senior year towards their future master's degree in Spanish. Departmental permission to apply to the bachelor's/master's degree program does not guarantee admission to the Graduate School. Admission to the Graduate School is contingent upon meeting eligibility requirements at the time of entering the graduate program.

Students accepted into the combined program:

- Must submit the standard application for admission to the Graduate School during the first semester of their senior year including: an application form for Graduate School, application fee, transcripts, letters of recommendation and writing samples. Two voice samples, one in English and one in Spanish, must be submitted separately to the

graduate coordinator who will organize the review of the application.

- Must submit a Graduate Degree Plan during the second semester of their senior year, signed by the prospective student, the department chair, and the graduate coordinator.

The Graduate Degree Plan for the master's degree must clearly indicate:

- The specific 500-level SPN courses (maximum of 12 graduate credit hours) that will be double-counted for both bachelor's and master's degrees;

- Additional graduate courses that will be taken during the senior year but not counted toward the bachelor's degree;

- The student's intention to fulfill course requirements for the master's degree no later than a year after receiving the bachelor's degree; and

- The intended graduation date for the master's degree.

Upon the Graduate School's review of the submitted materials, a letter of acceptance (or denial) to the master's program will be sent to the student and copied to the department chair and the graduate coordinator. Acceptance will be provisional and contingent on meeting specified degree requirements; including completion of the bachelor's degree.

A student who is ineligible to participate or continue in, or withdraws from the bachelor's/master's program cannot double count any courses for both bachelor's and master's degrees. For more details see the department chair or the graduate coordinator.

Supply Chain Management, Bachelor's/Master's Combined Program

Program Coordinator: Dr. Drew Rosen

This combined bachelor's/master's degree program is designed to provide qualified students the opportunity to complete both degree programs in under 5 years. A student will earn a Bachelor of Science (BS) in Business Administration with a concentration in Supply Chain Management and a Master of Science (MS) in Supply Chain Management

BS of Business Administration Economics students must apply for admission to the 4+1 BSBA Supply Chain Management/MS Supply Chain Management. Six (6) hours of courses taken at the 500-level will apply towards both degrees. Upon completion of the BS degree, students have the option to apply to the graduate school and continue progress towards the MS SCM degree.

Overview

Objective:	This combined bachelor's/master's degree program is designed to provide qualified students the opportunity to complete both degree programs in under 5 years. A student will earn a Bachelor of Science in

	Business Administration (BSBA) with a concentration in Supply Chain Management and a Master of Science (MS) in Supply Chain Management. Students must apply for admission to the 4+1 program. Six (6) hours of courses taken at the 500-level will apply towards both degrees. Upon completion of the BS degree, students have the option to apply to the graduate school and continue progress towards the MS degree.
Requirements:	Completion of all degree requirements for both the BSBA. in Supply Chain Management and the M **Objective:** This combined bachelor's/master's degree program is designed to provide qualified students the opportunity to complete both degree programs in under 5 years. A student will earn a Bachelor of

		Science (BS) in Business Administration with a concentration (BSBA) in Economics and a Master of Science (MS) in Finance & Investment Management (MSF). BS of Business Administration Economics students must apply for admission to the 4+1 BS Economics/MS Finance program. Six (6) hours of courses taken at the 500-level will apply towards both degrees. Upon completion of the BS degree, students have the option to apply to the graduate school and continue progress towards the MSF degree.

	Requirements:	Completion of all degree requirements for both the BSBA. in Economics and the MS SCM with six credits of graduate-level courses that will count towards the supply chain concentration electives.
	with six credits of graduate-level courses that will count towards the finance concentration electives.	

Program Prerequisites and Admissions Requirements

- Admission to the Cameron School of Business as a supply chain management concentration student
- Minimum GPA: 3.0
- Completion of the B.S./M.S. Combined Program in Supply Chain Management form.
- Completion of the Undergraduate Request to Enroll in Graduate Courses Form
- Cover letter and resume

- Two letters of recommendation

Rationale for Proposed Plan

This program is an opportunity for students who excel in supply chain management to pursue a specialized master's program. The combined program will benefit students in several ways:

- Waiver of the graduate application fee and admission to the MS SCM program (pending completion of MS SCM program admission requirements)
- Allows six credit hours of graduate course work to satisfy six credit hours of undergraduate concentration requirements

Curriculum

Students must complete all requirements for the B.S. Business Administration with a Supply Chain Management Concentration as well as the requirements for the M.S. in Supply Chain Management.

B.S. Business Administration, Supply Chain Management Concentration Requirements

SCM 371 - Logistics and Distribution Management

This course provides an in-depth study of a wide range of logistics and distribution issues facing managers. Topics include an analysis of the following components of a typical logistics system: customer service, logisitics system analysis, network analysis, facility planning, warehouse operations, traffic and transportation management, and distribution planning. Attention is directed toward the establishment of sustainable competitive advantage based on transportation, logistics and distribution activities.

Credit Hours: 3

Prerequisite Courses: SCM 370
Additional Restrictions/Requirements: Prerequisite course and admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SCM 375 - Quality Management

This course introduces quantitative and qualitative concepts and applications of quality management in

manufacturing and service organizations. Topics include quality design, continuous improvement, cost of quality, employee involvement in quality, team building for quality, quality circles, service quality, statistical process control, and the relationship among quality, productivity, and competitiveness.

Credit Hours: 3

Prerequisite Courses: SCM 370
Additional Restrictions/Requirements: Prerequisite course and admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SCM 472 - Project Management

This course introduces the fundamentals of project management, beginning with project definition and culminating in the post-project review. Students will learn techniques, terms and guidelines that are used to manage costs, schedules, risk, group dynamics and technical aspects throughout the life cycle of the project.

Credit Hours: 3

Prerequisite Courses: SCM 370
Additional Restrictions/Requirements: Prerequisite course and admission to Cameron School of Business.
University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SCM 475 - Advanced Supply Chain Management

This course provides a detailed analysis of the materials planning and execution systems used to manage the flow of material in service and manufacturing organizations to facilitate all stages of the supply chain. Topics include systems for demand management and forecasting techniques, inventory control systems for distribution channels, materials and capacity requirements planning systems, scheduling and order dispatching systems.

Credit Hours: 3

Prerequisite Courses: SCM 370
Additional Restrictions/Requirements: Admission to Cameron School of Business
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3
Major Restriction BS Business Administration

M.S. Supply Chain Management Requirements

Timeline

- Students who successfully complete the two 500-level MS SCM courses and all remaining B.S. Business Administration degree requirements are awarded the B.S. in Business Administration with a Supply Chain Management concentration.
- In the final semester of their B.S. program, students will apply for admission to the MS SCM program. If admitted to the MS SCM, the six credits earned at the 500-level will count towards the degree requirements of the MS SCM degree.
- **Note: Students that receive acceptance into the combined degree program are still subject to the admission requirements for the MS SCM program. Admission to the combined degree**

program does not guarantee admission to the MS SCM program.

Frequently Asked Questions

Q: How many classes will students need to complete to earn the MS SCM?
A: Students must complete the full 30 credits of MS SCM courses, but six of those credits can be earned before they begin the program.

Q: Can students be admitted to the MS SCM program upon graduation from the BSBA if they earn Cs in their 500-level electives?
A: Graduate applications will be evaluated based on our existing admissions criteria. A student who meets the criteria can be admitted to the MS SCM program. Courses at the 500-level in which the student earned a grade of C will not count towards the MS SCM degree requirements and must be replaced or retaken after advising by the MS SCM Director.

Q: What if I have additional questions about this program?
A: Please direct questions to Dr. Drew Rosen, Director (rosenl@uncw.edu)

Tourism, Recreation and Sport and Applied Gerontology, Bachelor's/Master's Combined Program

Program Coordinator: Tina Newsham, Ph.D. l Program Coordinator & Professor

(4 +1 Combined Programs l UNCW)

Program Prerequisites and Admission Requirements

- Admission to the School of Health and Applied Human Sciences as a B. A. in Tourism, Recreation and Sport student
- Minimum GPA: 3. 0
- At least 75 completed undergraduate credit hours prior to starting graduate courses
- Completion of the application found at https://uncw.edu/chhs/shahs/academic/graduate/gerontology/index.html
- One letter of recommendation from a faculty member with whom the student has taken a 300 or 400-level course
- Cover letter describing interest in the program and career goals related to gerontology
- Unofficial UNCW transcript

Overview

Objective: This combined bachelor's/master's degree program is designed to provide qualified students the opportunity to complete both degree programs in as little as five years. The successful student will earn a Bachelor of Arts (B.A.) degree in Tourism, Recreation and Sport and a Master of Science (M.S.) in Applied Gerontology (MGRN).

Undergraduate students in Tourism, Recreation and Sport must apply for admission to the 4+1 B.A. in Tourism, Recreation and Sport / M.S. in Applied Gerontology Combined Program. Students should apply to the 4+1 combined program in the semester in which they are completing their 75th credit hour so that they can begin graduate coursework the semester thereafter; undergraduate students can begin the 4+1 combined program in the fall or spring semester. Twelve hours of courses taken at the 500-level will be dual counted towards both degrees. Students then have the option to apply to the graduate school and continue progress towards the MGRN degree upon completion of the bachelor's degree.

Requirements: Completion of all degree requirements for both the B.A. in Tourism, Recreation and Sport and the M.S. in Applied Gerontology, with twelve credits of graduate-level courses that will count toward undergraduate requirements.

Rationale for Program

This program is an opportunity for students interested in working with older adults to develop knowledge, skills, and experience with and about the most rapidly growing segment of the population. Drawing on the Academy for Gerontology in Higher Education's competencies as a framework, our goal is to educate gerontologists who will improve quality of life and promote well-being of persons as they age within their families, communities and societies through research, education and application of interdisciplinary knowledge of the aging process and aging populations.

The purpose of the combined Bachelor of Arts degree in Tourism, Recreation and Sport and Master of Science degree in Applied Gerontology is to offer an accelerated path toward a Master of Science degree that prepares graduates with knowledge, skills, and competencies related to the leisure industry and

gerontology. These educational experiences prepare graduates to serve as qualified professionals providing leisure opportunities and experiences for individuals of all ages and from all walks of life to enhance their overall health, well-being and quality of life. Furthermore, student outcomes emphasize critical thinking and evidence-based practices as means of assisting older adult and organizations that serve them in reaching their goals and maximizing quality of life for older adults.

The combined program will benefit students by:

- Providing invaluable knowledge and experience working with older adults
- Allowing 12 graduate credits to satisfy undergraduate and graduate requirements
- Reducing costs of graduate education due to the ability to enroll in graduate courses during an undergraduate degree program at the undergraduate tuition rate

Curriculum

Students must meet all requirements for the Tourism, Recreation, and Sport, B.A. Students may count 12

credits of 500-level courses in the MGRN curriculum toward requirements for their undergraduate program of study. The courses available are:

- GRN 501 Aging and Society
- GRN 503 Investigative Inquiry in Gerontology (Instead of REC 359 Research and Evaluation in Recreation, Sport Leadership and Tourism)
- GRN 525 Health and Aging
- PSY 525 Psychology of Aging

For students who are admitted to the MGRN program:

Remaining requirements for that degree can be found in the UNCW Graduate Catalogue.

Timeline

- Once students are enrolled in the Tourism, Recreation and Sport major and are completing their 75 th credit hour, they can apply for admission into the 4+1 combined program.
- After completing at least 75 undergraduate credit hours, those admitted to the 4+1 program can enroll in the 12 designated graduate courses.

- Students who successfully complete the 12, 500-level credits and all remaining Tourism, Recreation and Sport degree requirements are awarded a B. A. in Tourism, Recreation and Sport.
- In the final semester of their bachelor's program, students may apply to the MGRN program for summer or fall admission. Applicants must meet all Graduate School admissions requirements and submit their application by the stated deadline. Admission to the 4+1 combined program does not guarantee admission to the MGRN program upon completion of the bachelor's degree.
- If admitted to the MGRN, the 12 credits earned at the 500-level will count toward the degree requirements of the M. S. in Applied Gerontology degree.
- The following schedule details the progression to completion of the master's degree in one year (note that only one of the two summer terms is required):

Summer	Fall	Spring	Summer
• GRN Practicum	• GRN 590 Practicum	• GRN 540 Current	• GRN 59 Practicu

in Gerontology	in Gerontology (repeated for credit)	Issues in Gerontology	in Geronto
• Elective	• GRN 597 Project Proposal	• GRN 598 Final Project	• Elective
	• Elective	• Elective	

- Students who do not go on to the M. S. in Applied Gerontology program may apply for admission to the Post-Baccalaureate Certificate in Gerontology and have the 12 credits earned at the 500-level count toward the degree requirements of the certificate.

Joint Programs

Three-Plus-Two Computer Science and Electrical or Computer Engineering Program

The Three-Plus-Two Computer Science and Electrical or Computer Engineering Program is a cooperative agreement between the University of North Carolina

Wilmington (UNCW) Computer Science Program and the North Carolina State University (NCSU) Electrical and Computer Engineering Department. The program gives students the opportunity to earn a Bachelor of Science degree in computer science from the University of North Carolina Wilmington and a Bachelor of Science degree in electrical or computer engineering from North Carolina State University. Students must complete all course work listed below to satisfy the Three-Plus-Two Program requirements. The UNCW phase of study can be completed in three years. Students meeting NCSU's transfer admission requirements (see below) are accepted to either the Electrical or Computer Engineering degree programs. The engineering portion of the program can be completed in two years with possible summer sessions. UNCW will accept credits from NCSU to complete degree requirements at UNCW and NCSU will accept credits from UNCW to complete degree requirements at NCSU. Thus, the student receives a degree from UNCW and a degree from NCSU. The Three-Plus-Two program must be started in the fall of the freshman year if it is to be completed in 5 years.

To complete the Three-Plus-Two Program, a student must complete the following courses at UNCW:

- All UNCW university studies and graduation requirements.
- Computer Science General Core Course Requirements: CSC 131, CSC 133, CSC 231, CSC 242, CSC 331, CSC 340, CSC 342, CSC 355, CSC 360, CSC 380, CSC 385, CSC 434, CSC 450.
- B.S.Computer Science Systems Options Requirements: CHM 101, CHML 101, MAT 161, MAT 162; PHY 201, PHY 202
- Computer Science Oral Requirement: CSC 385, CSC 495 or any other approved oral communication intensive course (see list here).
- Computer Science Computer Requirement: CSC 131.
- Computer Science Elective Credits: 9 hours (may be Engineering courses taken at NCSU and transferred back to UNCW).
- Additional courses prescribed by the Electrical and Computer Engineering Department at NCSU. Of these, the following are taught on-site at UNCW as distance education classes: ECE 200 and E 115.

A student must finish the UNCW phase of study with an overall GPA of at least 3.00, earn at least a 2.00 overall GPA in any NCSU courses taken via distance education, and have at least a 2.50 GPA in the last two calculus courses attempted to meet NCSU's transfer admission requirements. Students in this program will be advised jointly by an advisor in the Department of Computer Science and the director of the Engineering Program at UNCW to assure completion of the correct requirements for both programs.

Three-Plus-Two Physics and Electrical Engineering Program

The Three-Plus-Two Physics and Electrical Engineering Program is a cooperative agreement between the University of North Carolina Wilmington (UNCW) Physics Program and the North Carolina State University (NCSU) Electrical Engineering Program. The program gives students the opportunity to earn a Bachelor of Science degree in physics from the University of North Carolina Wilmington and a Bachelor of Science degree in electrical engineering from North Carolina State University. Students must complete all coursework listed below to satisfy the Three-Plus-Two

Program requirements. The UNCW phase of study can be completed in three years. If the student meets the transfer admission requirements for NCSU listed below, the student is accepted into the Electrical Engineering Program. This program can be completed in two years. UNCW will accept credits from NCSU to complete degree requirements at UNCW and NCSU will accept credits from UNCW to complete degree requirements at NCSU. Thus, the student receives a degree from UNCW and a degree from NCSU. The Three-Plus-Two program must be started in the fall of the freshman year if it is to be completed in 5 years.

To complete the Three-Plus-Two Program, a student must complete the following courses at UNCW:

- All UNCW university studies and graduation requirements.
- Physics Computer Requirement: PHY 400.
- Physics Oral Requirement: PHY 495.
- Physics Applied Learning Requirement: PHY 495.
- Physics B.S. Degree Course Requirements: CHM 101, CHML 101, CHM 102 ; CHML 102 ; MAT 161, MAT 162, MAT 261; MAT 361, PHY 201, PHY 202, PHY 311, PHY 314, PHY 321, PHY 335, PHY 336,

PHY 400, PHY 411, PHY 444, PHY 455, and PHY 495.

- Additional courses prescribed by the Electrical Engineering Program at NCSU. Of these, the following are taught on-site at UNCW as distance education classes: ECE 109, ECE 200, E 115.

A student must finish the UNCW phase of study with an overall GPA of at least 3.00, earn at least a 2.00 GPA in any NCSU distance education courses taken, and have at least a 2.50 GPA in the last two calculus courses attempted to meet NCSU's transfer admission requirements. Students in this program will be advised jointly by an advisor in the Department of Physics and Physical Oceanography and the director of the Engineering Program at UNCW to assure completion of the correct requirements for both programs.

Two-Plus-Two Engineering Program

(http://www.uncw.edu/preeng/)

The Two-Plus-Two Engineering Program is offered jointly by the University of North Carolina Wilmington College of Science and Engineering and the North Carolina State University College of Engineering. It leads to a bachelor's degree from North Carolina State

University in one of the engineering disciplines listed below. The purpose of the Two-Plus-Two Program is to offer students the opportunity to complete the first two years of an engineering degree program at UNCW and then transfer to NC State University in Raleigh, NC to complete their undergraduate engineering degree. Courses offered at UNCW in the first two years include courses in mathematics, physics, and chemistry, as well as several basic engineering courses, which are delivered via distance education from NC State. At this time, registration for the distance education courses is completed through the Two-Plus-Two Program offices. An introductory engineering course, EGN 101, is offered at UNCW. See "Engineering" in the Course Descriptions section of this catalogue for a description of this course. Contact the director for the most recent information on courses offered, curricula, and the Two-Plus-Two program.

Engineering degree programs offered by NC State University include:

Aerospace	Electrical
Biological	Environmental
Biomedical	Industrial

Chemical	Materials Science
Civil	Mechanical
Construction	Nuclear
Computer	Paper Science
Computer Science	Textile

Minor

A student may elect a minor in any academic discipline listed below. The student must meet with the department chairperson or coordinator to define the requirements to complete the minor. Declaration of a minor program is done in the Registrar's Office. (Minors in jazz studies and music should be declared in the music department.) Minors will be awarded at the same time as the baccalaureate degree. Upon completion of requirements and attainment of a degree, the minor will be posted on the student's academic transcript.

Accountancy and Business Law Minor

The accountancy and business law minor will provide non-CSB majors a foundation of financial and legal knowledge that can be applied in a business in their chosen field of study. A strong understanding of financial and legal aspects of businesses will position students for growth and managment positions in their profession. The minor is open to all students outside the Cameron School of Business. Business majors, with the exception of students pursuing a Bachelor's of Arts degree in Economics, are not eligible for the minor.

The minor core curriculum will provide students a strong foundation for maintaining financial records, utilizing financial information for managerial decision making, and understanding the legal environment of business. The minor elective course will provide students with an understanding of either the income tax implications of personal and business decisions or the commercial legal environment covering topics such as contracts, sales and warranties, and debtor and creditor rights.

Requirements for the Accountancy and Business Law Minor

Core Courses

The following six core courses (16 credit hours) are required.

ACG 201 - Financial Accounting

An introduction to the basic framework of accounting for students majoring in accountancy or other disciplines. Includes preparation of financial records and external financial reports. Emphasis on the underlying accounting concepts and constraints. The lab for this course is ACGL 201.

Credit Hours: 3

Corequisite Courses: ACGL 201
Prerequisite Courses: MAT 111 or MAT 150 or MAT 160
Course Repeatability: Course may not be repeated.

ACGL 201 - Financial Accounting Lab

This course is the lab for ACG 201.

Credit Hours: 1

Corequisite Courses: ACG 201
Course Repeatability: Course may not be repeated.

ACG 203 - Managerial Accounting

An introduction to the concepts and techniques used by management to analyze and interpret accounting data in the organization.

Credit Hours: 3

Prerequisite Courses: ACG 201 and ACGL 201
Course Repeatability: Course may not be repeated.

ACG 301 - External Financial Reporting I

Analysis of traditional financial accounting topics and theory. Examines recent developments in accounting measurement and promulgations of the leading professional accounting organizations. ACG 301 emphasizes the development of accounting standards and theory, financial statements, and current assets.

Credit Hours: 3

Prerequisite Courses: ACG 201 with a minimum

grade of 'C' and ACG 203 with a minimum grade of 'C'.
Course Repeatability: Course may not be repeated.

ACG 306 - Accounting Information Systems

An introduction to the aggregation of data in an accounting information system with an emphasis on documentation, internal controls, and transaction cycles. Laboratory projects include advanced spreadsheet functions, an accounting software package and a database package.

Credit Hours: 3

Prerequisite Courses: ACG 201 with a minimum grade of 'C' and ACG 203 with a minimum grade of 'C'. Prerequisite or corequisite: ACG 301.
Course Repeatability: Course may not be repeated.

BLA 361 - Legal Environment of Business

Study of the organization and role of business enterprises in society and their relationships in government. Examines how the legal environment is influenced by changing social and ethical values. Topics include agency, antitrust, forms of business

organization, environmental regulation, equal opportunity, labor law, product liability, and property rights.

Credit Hours: 3

Additional Restrictions/Requirements: Junior or senior standing, or admission to the Cameron School of Business, or students in the Accountancy and Business Law minor, or consent of department chair.
Course Repeatability: Course may not be repeated.

Electives

One of the following two elective courses (3 credit hours) is required.

ACG 404 - Federal Income Taxes

The study of federal income taxation of individuals with emphasis on business income and expense items and property transactions.

Credit Hours: 3

Prerequisite Courses: ACG 301 with a grade of C or

better.
Additional Restrictions/Requirements: Prerequisite course and admission to Cameron School of Business, or prerequisite course for students in the Accountancy and Business Law minor, or consent of department chair. Grade of C in ACG 301 .
Course Repeatability: Course may not be repeated.

BLA 461 - Commercial Law

Study of the commercial legal environment in which business enterprises operate. Examines the law of contracts, sales and warranties, security interests, commercial paper, and debtor and creditor rights.

Credit Hours: 3

Additional Restrictions/Requirements: Junior or senior standing, or admission to the Cameron School of Business, or students in the Accountancy and Business Law minor, or consent of department chair.
Course Repeatability: Course may not be repeated.

Total: 19 Hours

Additional Information:

A "C" or better in ACG 201, ACGL 201 Lab, and ACG 203, and a "C-" or better in the remaining minor courses is required. A cumulative Accountancy and Business Law minor GPA of 2.0 is necessary to earn the minor.

Africana Studies Minor

The UNCW Africana Studies minor is an interdisciplinary field of study designed to foster and encourage critical and systematic inquiry into the historical, cultural, social, and political factors and forces that shape African, African American, Caribbean, and other peoples of African descent around the world. By centering knowledge of Africana Studies, the curriculum seeks to provide students with a nexus to today's world; bringing knowledge and awareness to the diversity of its African peoples and to cultivate a sense of global community.

Admission Requirements

Current UNCW Undergraduate Students

- See University Admission Requirements

Requirements for a Minor in Africana Studies

To earn a minor in Africana Studies requires 21 hours, including six (6) hours in core courses; one course from each of the three groups, A, B, and C for a total of nine (9) hours; and six 6) hours from any of the groups including the electives. At least (6) of the 21 hours must be at the 300-level or higher.

Core Courses (6 Credit Hours)

AFN 130 - Introduction to Africana Studies

Interdisciplinary exploration of the collective experiences of the African Diaspora, which includes Africans and people of African descent in various continents and countries in addition to the United States.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives, Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.

AFN 290 - Readings in Literatures of the African Diaspora

This course explores the literary expressions of Africans and peoples of African descent as they are found in the Caribbean, Latin America, and in the United States.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

or

ENG 232 - African American Literature

Introduction to the African American literary tradition through a focus on genre, historical era, or major themes, such as nationalism, religion, or urban culture. Topics/historical periods may vary according to instructor.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives, Approaches and Perspectives/Living in Our Diverse Nation, Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

Course Group A: Arts and Aesthetics (3 Credit Hours)

ARH 300 - Egyptian Art

A study of the art and culture of ancient Egypt, from 3000 BC to the third century BC. Emphasis on architecture, sculpture, and painting as related to Egyptian history, culture, and religion.

Credit Hours: 3

Prerequisite Courses: ARH 201 or ARH 202 or ARH 204 or consent of instructor.
Course Repeatability: Course may not be repeated.

ARH 320 - African Art

Study of sub-Saharan African art and architecture from prehistoric times to the present. Special emphasis placed on form, content, function, and meaning, as well as the impact of African art on modern and African American art.

Credit Hours: 3

Prerequisite Courses: ARH 201 or ARH 202 or ARH 204
Additional Restrictions/Requirements: Consent of Instructor can be given in place of prerequisites.
Course Repeatability: Course may not be repeated.

ENG 231 - Theory and Practice of Hip-Hop

A study of the theory and practice of hip-hop culture, with an emphasis on the four elements: turntablism, rap, graffiti, and dance. Students will be introduced to representative figures, periods, themes, and texts.

Credit Hours: 3

University Studies: Approaches and

Perspectives/Living in a Diverse Nation
Course Repeatability: Course may not be repeated.

ENG 357 - African American Literary Tradition to 1945

In-depth exploration of the African American literary tradition from its beginning to 1945.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
University Studies: Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.

ENG 358 - African American Literary Tradition Since 1945

In-depth exploration of the African American literary tradition since 1945.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
University Studies: Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.

FRH 421 - French Immigrant Narratives

Study of major immigrant groups in France and the relationship between French immigration and French national and cultural identity. Analysis of depictions of immigrants from all continents in novels, short stories, graphic novels, music, and cinema in their socio-cultural, historical and artistic contexts.

Credit Hours: 3

Prerequisite Courses: FRH 301 or FRH 302 or FRH 303 or by placement by exam
Additional Restrictions/Requirements: Permission of the instructor.
University Studies: Approaches and Perspectives/Living in a Global Society, Building

Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

MUS 116 - History of Jazz

A survey of the evolution of this American art form from its African roots and European influences to the present. Technical knowledge of music not required.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives, Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.

MUS 220 - African American Music

A survey of the eveolution of African American music from its African roots to current trends in jazz, gospel, R & B, and hip-hop. Technical knowledge of music not required.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthestic, Interpretive and Literary Perspectives, Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

MUS 344 - Class, Gender, and Sexuality in African American Music

Application of musical analysis and cultural studies to examine the intersections of race, class, gender and sexuality in African American musical traditions and among African American musicians. Technical knowledge of music not required.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

MUS 345 - Latin American Popular Music

Survey of popular music genres in Latin America, focusing on musical characteristics and components, instruments and performance techniques, and historical developments in their evolving musical forms. Music

will be presented with contextual information on the social, religious, and economic history of each region.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

THR 366 - Black American Theatre

Critical study of Black American theatre traditions and innovations from 1800 to present. May include various writers, dramatists, and performers from across the African Diaspora.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in a Diverse Nation
Course Repeatability: Course may not be repeated.

Course Group B: Health and Historical Contexts (3 Credit Hours)

AFN 222 - Introduction to Gullah-Geechee Culture

Exploration of several theoretical, historical and contemporary issues and themes of Gullah-Geechee Culture, history, language and politics, as a specific African American ethnic enclave within America.

Credit Hours: 3

University Studies: Approaches and Perspectives/Historical and Philosophical Approaches
Course Repeatability: Course may not be repeated.

HST 260 - African-American History

Survey of the major themes and events in the history of African-Americans from the colonial period to the present.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in Our Diverse Nation, Approaches and Perspectives/Historical and Philosophical

Approaches
Course Repeatability: Course may not be repeated.

HST 371 - History of Premodern Africa

History of Africa from the earliest times to 1800 with emphasis on the social structures, cultures, economy, and political organizations of African peoples and their relationships with forces outside of Africa. This course can have a geographical or a thematic approach. Course may be repeated for credit under different subtitles.

Credit Hours: 3

Additional Restrictions/Requirements: Any HST course or consent of instructor.
Course Repeatability: Course may not be repeated.

HST 372 - History of Modern Africa

Historical survey of African history from 1800 to the present with emphasis on the abolition of slavery and the slave trade; the scramble for Africa; establishment and operation of colonial rule; independence movements; and the post-colonial period.

Credit Hours: 3

Additional Restrictions/Requirements: Any HST course or consent of instructor.
Course Repeatability: Course may not be repeated.

HST 481 - Topics in African History

Intensive study of a selected theme in African history. Examples of topics: slavery, the slave trade and its abolition, pre-colonial Africa, colonial and post-colonial Africa, oral history in Africa. May be repeated under a different subtitle.

Credit Hours: 3

Prerequisite Courses: (HST 103 or HST 104) and HST 290
Additional Restrictions/Requirements: Prerequisite courses or consent of instructor.
University Studies: Building Competencies/Writing Intensive, Common Requirements/Critical Reasoning
Crosslisting: HST 581

Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6

INT 330 - Topics in Africa

Intensive study of a selected topic or theme about Africa. May be repeated under different subtitles.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

INT 331 - The New Scramble for Africa

Interdisciplinary overview of environmental history and development in Africa from the colonial era to the present.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Major Restriction None**Minor Restriction** None

INT 332 - Global Politics of Food: An African Perspective

An examination of the global political economy of food through interdisciplinary examples from Africa with an exploration of the evolution of the human diet and traditional food production systems; the importance of culture in assigning meaning to food and how it is consumed; relationships between population, nutrition, and health; standards in the international trade of foods; the history and politics of food aid; food sovreignity and sustainable development; and the relationship between the environment and food security.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

INT 333 - China in Africa

Examination of the historical and contemporary linkages between Africa and China. This course aims to provide students an opportunity to critically discuss and analyze China-Africa, or Africa-China, socioeconomic relations and their implications for future political relations.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

PAR 322 - Ritual Therapy and Health in Caribbean Religions

Explores the Caribbean religious understandings of health and healing, ethnomedical and ritual therapeutics, and other metaphysical healing techniques and spaces, including *Ebo* healing of *Ifa* divination, *Palo and Santeria (Lukumi)* Botanicas. Familiarizes students with the different health and healing approaches, techniques, and spaces in the Caribbean communities.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

PSY 365 - Psychology of Race and Racism

Examination of the construction and development of race and racial bias in the United States from a psychological lens. Topics include the processes that

underlie and motivate racial bias and how race and racism are maintained through social institutions and cultural ideologies. Scientifically-based means of addressing and reducing racism are considered.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.

Course Group C: Social Justice and Religion (3 Credit Hours)

AFN 235 - Battle for Justice: From the Boat to the Vote

Examination of the right to vote through a focus on the Constitution, legislation, and case law. Including, exploration of methods of voting restriction and dilution such as literacy tests, poll taxes, redistricting, violence, and intimidation. Centering the impacts on race and democracy in the United States.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.

AFN 322 - Wilmington 1898

Examination of Wilmington's 1898 massacre and coup d'état through the lens of Africana Studies. Includes studying the impact and strategies for repairing the harms that continue today and how this event shapes Black and African American communities in the region, in the state, and across the country. Student research required.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

AFN 353 - Black Feminisms: Survey of Black Feminist Thought

Exploration of the rich tradition of Black feminisms, womanisms, and queer theories, and the communities and institutions they speak of, for, and to. Includes the investigation of identities and identification, sexualities,

motherhood and family, womanisms, representation and citizenship, community building, and anger and activism.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in a Diverse Nation, Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

AFN 395 - Africana Studies and Community Engagement

Engagement in a service-learning project in Wilmington, NC region, and abroad related to communities of African descent. Emphasis on the African American communities' (and people of African descent) strengths, values, beliefs, attitudes, and ideals by the examination and application of community engagement and development concepts.

Credit Hours: 3

University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6 **Repeat Limit:** 1

PAR 233 - African Religions

Religions of Africa, including traditional and non-traditional religious systems, and their impact on African societies and Africanism in the Americas.

Credit Hours: 3

University Studies: Approaches and Perspectives/Historical and Philosophical Approaches, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

PAR 307 - Memoirs of Black Religion: Life-Narratives as Religious Sources

Study of memoirs and autobiographical texts by Black people from slavery through the twenty-first century, focusing on the intersection of religion and race. Complex exploration into the ways of religion and

spirituality in the history of Black communities in America, and their otherwise imaginaries of spiritual transformation, self-making, becoming, maturing, belonging, resisting, liberating, and dreaming.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.

PAR 377 - African American Religions

Study of the religious life and thought of Black American communities with concentration on independent traditions, sects, and a sampling of major thinkers and issues.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in a Diverse Nation
Course Repeatability: Course may not be repeated.

PAR 378 - Caribbean Religions

Religious diversity within the Caribbean, including established, non-traditional, and Afrocentric religious traditions, and their interaction with popular culture.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

PLS 330 - Political Systems of Africa

Governments and politics of selected sub-Saharan African states. A survey from colonial days to the present with emphasis on contemporary economic, social and political problems.

Credit Hours: 3

Prerequisite Courses: PLS 230
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

PLS 340 - The Black Experience in American Politics

American political institutions and processes through the eyes of Black America. This study will analyze the power structure in the black community, dissent and protest, black participation in the political system, black leaders and politicians and their politics, and the uniqueness of black politics as compared with the wider spectrum of the political system.

Credit Hours: 3

Prerequisite Courses: PLS 101 or consent of instructor.
Course Repeatability: Course may not be repeated.

SOC 325 - Racial and Ethnic Group Relations

An examination of race and ethnicity in modern societies and social, economic, and political inequalities among racial and ethnic groups. Major topics include political-economic causes and consequences of prejudice, racism and institutional discrimination; social history of intergroup relations in the United States; comparative intergroup relations.

Credit Hours: 3

Prerequisite Courses: SOC 105
University Studies: Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

Elective Courses (6 Credit Hours)

AFN 495 - Senior Seminar: Topics in Africana Studies

Intensive study of a selected theme in Africana Studies designed to foster and encourage critical and systematic inquiry into the historical, cultural, social, and or political factors that influence African, African American, Caribbean, and other peoples of African descent around the world.

Credit Hours: 3

University Studies: Building Competencies/Information Literacy
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 9 **Repeat Limit:** 2

COM 344 - Intercultural Communication

Theoretical and practical perspectives on communication effectiveness in dealing with people, groups, or organizations that are culturally different within and across national boundaries.

Credit Hours: 3

Prerequisite Courses: COM 105 with a grade of 'B' or better, or permission of instructor.
Additional Restrictions/Requirements: Restricted to Junior standing or higher.
University Studies: Approaches and Perspectives/Living in a Global Society, Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.

COM 346 - Interracial Communication

Explores communicative behaviors between individuals from various racial and ethnic groups and contextual dynamics unique to such interactions. Approaches to enhancing the content and quality of interracial relationships are also examined.

Credit Hours: 3

Additional Restrictions/Requirements: PCOM or COM Majors, or permission of instructor.
Course Repeatability: Course may not be repeated.
Major Restriction PCOM and COM Majors

CRM 370 - Racialization and the Criminal Justice System

Study of the relationships between racialization and criminalization. Exploration of the social, political and legal conceptions of "crime" and "justice" using critical perspectives and theories of crime.

Credit Hours: 3

Prerequisite Courses: CRM 105.
Additional Restrictions/Requirements: Prerequisite course plus 3 additional hours in CRM.
Course Repeatability: Course may not be repeated.

ENG 355 - American Multicultural Literature

Credit Hours: 3

Prerequisite Courses: ENG 103 or ENG 201
Additional Restrictions/Requirements: ENG 204 or ENG 205 recommended but not required.
University Studies: Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated

FRH 412 - The Francophone World

Study of representative literary and non-literary texts, films and sound recordings from French-speaking cultures in North America, the Caribbean, Africa, Asia, and elsewhere. Oral and written reports.

Credit Hours: 3

Prerequisite Courses: FRH 301 or FRH 302 or FRH 303 or placement by exam
Additional Restrictions/Requirements: Permission of the instructor.
University Studies: Building Competencies/Writing Intensive, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

Total Credit Hours: 21

Additional Information

Students must earn at least a "C" (2.00) average in courses counted for a minor in Africana studies. Courses taken to fulfill major requirements cannot be used to fulfill requirements for the Africana studies minor.

Anthropology Minor

Admission Requirements

Current UNCW Undergraduate Students

- See University Admission Requirements

Requirements for a Minor in Anthropology

Core Courses (9 Credit Hours)

ANT 206 - Cultural Anthropology

A presentation of the content and historical development of cultural anthropology. Deals with the cultural relativism, ethnocentrism, institutional analysis and cultural integration and shifts in theoretical perspectives by comparing ethnographies of selected cultures.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

ANT 207 - Archaeology

An exploration of the objectives, theories, methodologies and interpretive tools utilized in the study of humankind's past. Both prehistoric and historic cultures will be examined. The lab for this course is ANTL 207.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors, Approaches and Perspectives/Historical and Philosophical Approaches
Course Repeatability: Course may not be repeated.

ANT 210 - Biological Anthropology

Introduction to the study of human evolution. A dynamic exploration of nonhuman primates, fossilized human ancestors, and human biology. Examines the intersection of biology and culture.

Credit Hours: 3

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

Elective Courses (12 Credit Hours)

- 12 additional hours, at least 6 of which are at the 300-400 level.

Total Credit Hours: 21

Additional Information

ANTL 207 - Archaeology Lab may be taken as an elective but is not required.

In selecting the courses to fulfill the minor requirements, students are strongly encouraged to consult with the anthropology faculty.

A "C" (2.00) grade point average is required among anthropology courses used to satisfy the above requirements.

Applied Behavior Analysis and Developmental/Intellectual Disabilities Minor

The College of Science and Engineering and the Watson College of Education offer an interdisciplinary minor in Applied Behavior Analysis and Developmental/Intellectual Disabilities. This minor provides students with the opportunity to develop an understanding of the fundamentals of behavior analysis with an emphasis on how these principles are applied, for example, to individuals with intellectual disabilities such as autism, in schools, etc. The curriculum, reflecting the interdisciplinary nature of the field, will include coursework from the department of psychology and the special education program. Students should contact one of the Minor coordinators for more information.

Requirements for a Minor: All students must complete four required core courses (12 hrs), one required field experience course (3 hrs), a required advanced topic (3-4 hrs), and 3 hours of approved electives for a total

of 21-22 hours. At least 9 hours must come from courses outside the student's major.

Required Core Courses (12 hours):

PSY 105 - General Psychology

Principles of psychology with emphasis on scientific methods used in studying human behavior.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

PSY 217 - Learning and Behavior Change

Basic principles of conditioning, learning, and behavior change. Topics will include and introduction to classical and operant conditioning and the applications experimentally discovered principles to psychological interventions, as well as other fields such as education, business, and health.

Credit Hours: 3

Prerequisite Courses: PSY 105
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

PSY 317 - Applied Behavior Analysis: Challenging Behavior

Extension of the principles of learning and behavior analysis to socially significant human issues, focusing on the assessment and treatment of behavior in need of reduction and related ethical considerations. Topics include preference and reinforcer assessment, functional assessments, and function-based interventions. Areas of application include education, developmental and intellectual disabilities, health, and caregiver training.

Credit Hours: 3

Prerequisite Courses: PSY 217
Course Repeatability: Course may not be repeated.

SED 250 - Introduction to Special Education

Survey of major categories of exceptionality including intellectual disabilities, learning disabilities, behavioral and emotional disorders, attention deficits and hyperactivity, communication disorders, sensory impairments, multiple and severe disabilities, physical and health impairments, and giftedness. Includes study of definitions, characteristics, etiology, psycho-social implications, educational interventions, and current issues. At least 6 field experience hours required.

Credit Hours: 3

University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

Required Field Experience Course (3 hours):

PSY 419 - Applied Behavior Analysis Practicum

Supervision of student practice in applied behavior analysis in a variety of clinical programs. Students participate in supervised experiences related to

behavioral assessment and interventions for children diagnosed with learning and/or intellectual disabilities who display problematic behavior and/or experience deficits in feeding, social, or communication skills. Emphasis on practice of skills and regular consultation with the supervisor.

Credit Hours: 3

Prerequisite Courses: PSY 217, and PSY 317 or PSY 316
Additional Restrictions/Requirements: Permission of instructor.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6

SED 351 - Learning and Behavioral Disorders in a Diverse Society

Designed to examine the complex variety of learners with behavioral or emotional disorders and learning disabilities. Emphasis on etiology, assessment, diagnosis, characteristics, theories, historical

influences, teaching strategies, and current trends. At least 15 field experience hours required.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

SED 352 - Behavioral Development

Designed to develop an understanding of social/emotional development and effective principles and strategies to promote positive behavioral development. Focus will be on positive behavioral support, functional behavioral assessment, teaching pro-social behaviors and social skills, establishing affective environments, parent training and effective behavior change strategies. At least 15 field experience hours required.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

SED 356 - Severe Disabilities

Study of etiology, definitions, characteristics and programming needs of persons with moderate, severe, and profound intellectual disabilities, low functioning autism, and multiple disabilities. Current approaches to treatment and education of persons with severe disabilities in a variety of settings and across the life span will be included. Students will be expected to develop a basic knowledge of the various aspects of severe disabilities and use that knowledge to make informed decisions about appropriate practices in the education of this population. At least 15 field experience hours required.

Credit Hours: 3

Prerequisite Courses: SED 352.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3
Additional Course Fee Schedule

Note: **One** of these courses must be taken to meet the required field experience. Subsequent courses in this category may be used to meet elective requirements.

Required Advanced Topic (3-4 hours):

PSY 417 - Advanced Learning and Behavior Analysis

Advanced study of the empirical and conceptual principles of learning and behavior analysis and of the applications of these principles. Students help design and implement laboratory experiments, collect and analyze data, and communicate findings via oral presentations and laboratory reports. Students typically have hands-on laboratory experiences, including supervised, direct interactions with nonhumans.

Credit Hours: 6

Prerequisite Courses: PSY 217 and PSY 355
University Studies: Building Competencies/Writing Intensive, Building Competencies/Information Literacy, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

SED 374 - Applied Behavior Analysis for Teachers

Designed to provide a strong foundation and knowledge of basic principles of learning through the introduction of Behavior Analysis: the science and technology of behavior. The focus will be on empirically validated instructional strategies by which students learn academic, social and physical skills. At least 20 field experience hours required.

Credit Hours: 3

Additional Restrictions/Requirements: 9 hours of Curricular Foundations.
University Studies: Explorations Beyond the Classroom, Building Competencies/Information Literacy, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

Note: Either course may be used to meet elective requirements if both courses are taken.

Elective Courses (3 hours):

At least three credit hours from any of the following:

ASL 101 - Introductory American Sign Language I

Emphasis on achievement of an active command of the language and a strong foundation of ASL vocabulary and language structure. Students will be expected to demonstrate a basic/minimal level of competency in expressive and receptive skills of ASL. The basic cultural characteristics of the Deaf and Hard of Hearing communities will be introduced.

Credit Hours: 3

University Studies: Foundations/Foreign Language
Course Repeatability: Course may not be repeated.

PSY 220 - Child Psychology

Human psychological development through childhood and early adolescence. Normal development is emphasized.

Credit Hours: 3

Prerequisite Courses: PSY 105

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

PSY 316 - Applied Behavior Analysis for Behavior Technicians

Introduction to the methods and practice of applied behavior analysis as performed by registered behavior technicians (RBTs), typically with individuals diagnosed with learning and/or intellectual disabilities receiving services from certified behavior analysts. Topics include measurement, assessment, skill acquisition, behavior reduction, documentation and reporting, professional conduct and ethics, and score of practice.

Credit Hours: 3

Prerequisite Courses: PSY 217
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

PSY 318 - Applied Behavior Analysis: Skill Acquisition

Extension of the principles of learning and behavior analysis to socially significant human issues, focusing

on the assessment and treatment of behavioral deficits. Topics include differential reinforcement, shaping, stimulus control, chaining, verbal behavior, habit reversal, and token economies. Areas of application include education, developmental and intellectual disabilities, and other diverse populations.

Credit Hours: 3

Prerequisite Courses: PSY 217
Course Repeatability: Course may not be repeated.

PSY 491 - Directed Individual Study

Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Enrichment Courses and Programs section in this catalogue.

Credit Hours: 1 To 3

Additional Restrictions/Requirements: Junior or senior standing, overall GPA of at least 2.00, and consent of instructor, department chair and dean.
University Studies: Explorations Beyond the

Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 9 **Repeat Limit:** 2

PSY 495 - Topical Seminar

Discussion of selected topics in psychology. May be repeated for additional credit.

Credit Hours: 1 To 3

Prerequisite Courses: PSY 105
Additional Restrictions/Requirements: Prerequisite course and consent of instructor.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

PSY 499 - Honors Work in Psychology

Independent work for honors students.

Credit Hours: 2 To 3

Additional Restrictions/Requirements: Senior standing and eligibility for honors program.
University Studies: Explorations Beyond the

Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6

HFE 415 - Adapted Physical Activity

Provide students theoretical and practical knowledge to plan and implement appropriate physical activity programs for individuals with disabilities in integrated and inclusive settings.

Credit Hours: 0

Prerequisite Courses: (EXS 216 with a C- or better and EXSL 216 with a C- or better) or (BIO 240 with a C- or better and BIOL 240 with a C- or better).
Additional Restrictions/Requirements: Senior standing, prerequisite courses, or consent of instructor.
University Studies: Writing Intensive, Information Literacy
Course Repeatability: Course may not be repeated.
Additional Course Fees: Additional Fee - General Professional Internship Liability Insurance Additional Course Fee Schedule

Total: 21-22 hours

Art History Minor

Admission Requirements

Current UNCW Undergraduate Students

- See University Admission Requirements

Requirements for a Minor in Art History

Core Courses (9 Credit Hours)

ARH 201 - Ancient Art and Archaeology

Introduction to the art and cultures of ancient Egypt, the Near East, and the Mediterranean. Emphasis on architecture, painting, sculpture, and objects of daily life to inform the myths and histories of ancient civilizations connected to the broader Mediterranean basin.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives
Course Repeatability: Course may not be repeated.

ARH 202 - Medieval and Early Modern Art

Study of the major developments in global art, including painting, sculpture, and architecture from the late Medieval through the Early Modern period. Subject, style, formal qualities, patronage, significance, and the place of works of art in their respective religious, social, and political context.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives
Course Repeatability: Course may not be repeated.

ARH 204 - Art of the Modern World

Examination of major monuments, artists, and artistic developments from the 19th to the late 20th century, primarily in Europe and the Americas. Study of the relationship between works of art and the historical, political, religious, and philosophical context of the societies that produced and made use of them.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives
Course Repeatability: Course may not be repeated.

Elective Courses (9 Credit Hours)

- Choose 9 hours from the 300-400 level ARH courses.

Total Credit Hours: 18

Additional Information

No more than 3 hours of ARH 491 or 3 hours of ARH 498 may be counted toward the major. A grade of "C" (2.00) or better is required for each course counted toward the minor.

Asian Studies Minor

The College of Humanities, Social Sciences, and the Arts offers an interdisciplinary minor in Asian studies. The minor provides students with a multifaceted understanding of Asian societies, histories, languages, political systems, and geographies. For additional

information, students should contact the coordinator in the Department of World Languages and Cultures.

Admission Requirements

Current UNCW Undergraduate Students

- See University Admission Requirements

Requirements for a Minor in Asian Studies

A minor in Asian studies requires a total of 21 credit hours, distributed as 12 hours of core courses and 9 hours of designated electives.

Core Courses (12 Credit Hours)

HST 103 - Introduction to Global History 1500-1848

The political, economic, cultural, religious, and environmental processes that transformed the world between 1500 and 1848. Examines the Columbian (biological) Exchange, formation of colonial empires, expansion of global religions, and emergence of global trade and slave trade.

Credit Hours: 3

University Studies: Approaches and Perspectives/Historical and Philosophical Approaches, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

PAR 232 - Asian Religions

A survey of Hinduism, Buddhism, Taoism, and Confucianism; historical aspects, basic insights, contemporary relevance.

Credit Hours: 3

University Studies: Approaches and Perspectives/Historical and Philosophical Approaches, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

PLS 317 - Political Thought of Asia

Recommended: PLS 212. Critical assessment of philosophical responses to the political, economic, and social challenges faced by the Asian Region. Considers

Asian political thought comparatively, addressing recurring issues of politics and community life.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

or

PLS 337 - Chinese Politics

Political system of China with special emphasis on the challenges of development, democracy, and nation-building in the post-1949 period.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

or

PLS 339 - Asian Politics

Recommended: PLS 230. Political systems of selected Asian countries. Special emphasis on the challenges of development, democracy, and nation-building in the post-World War II period.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
and
3 hours of a foreign language (either JPN 101, CHN 101, or transfer credit of study of another Asian language).

Elective Courses (9 Credit Hours)

CHN 101 - Introductory Chinese I

Emphasis on achievement of an active command of the language. Aural-oral practice; intensive study of the basic pattern of spoken Mandarin; reading, writing, and basic conversation. For students with one unit or less of high school Chinese.

Credit Hours: 3

University Studies: Foundations/Foreign Language
Course Repeatability: Course may not be repeated.

CHN 102 - Introductory Chinese II

Emphasis on achievement of an active command of the language. Aural-oral practice; intensive study of the

basic pattern of spoken Mandarin; reading, writing, and basic conversation.

Credit Hours: 3

Prerequisite Courses: CHN 101
University Studies: Foundations/Foreign Language
Course Repeatability: Course may not be repeated.

FST 380 - Introduction to Bollywood Cinema

Survey of India's Bollywood cinema from the silent period to the present. Emphasizes historical and critical approaches to Bollywood cinema, as well as studies of censorship, cinephilia, and popular visual culture.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: FST 205, or permission of instructor.
Course Repeatability: Course may not be repeated.

FST 385 - Japanese Cinema

Japanese cinema from the classical period to the present day. Emphasizes critical and historical

approaches to Japanese cinema, as well as studies of key filmmakers, including Kurosawa, Mizoguchi, Ozu, Suzuki, and Kitano.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: FST 205, or permission of instructor.
Course Repeatability: Course may not be repeated.

HST 362 - History of Premodern East Asia

Survey of East Asian history from ancient times to the mid-nineteenth century, with emphasis on China and Japan and secondary attention to Korea and Vietnam. Course may be repeated for credit under different subtitles.

Credit Hours: 3

Additional Restrictions/Requirements: Any HST course or consent of instructor.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 9 **Repeat Limit:** 3

HST 363 - History of Modern East Asia

Survey of East Asian history from the mid-nineteenth century to the present, with emphasis on China and Japan and secondary attention to Korea and Vietnam. Course may be repeated for credit under different subtitles.

Credit Hours: 3

Additional Restrictions/Requirements: Any HST course or consent of instructor.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 9 **Repeat Limit:** 3

HST 364 - History of Premodern South Asia

An examination of history of South Asian history from ancient times to the mid-nineteenth century. Course may be repeated for credit under different subtitles including Mughal India, history of Pakistan, and colonialism in India.

Credit Hours: 3

Additional Restrictions/Requirements: Any HST course or consent of instructor.

Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 9 **Repeat Limit:** 3

HST 365 - History of Modern South Asia

An examination of history of South Asian history from the nineteenth century till the present. Course may be repeated for credit under different subtitles including India and Pakistan since 1947, and Ghandi and Ghandism.

Credit Hours: 3

Additional Restrictions/Requirements: Any HST course or consent of instructor.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 9 **Repeat Limit:** 3

HST 497 - Topics in Asian History

Intensive study of selected themes and events in Asian history not regularly covered in other courses. Examples of topics include: The Chinese Revolution, Meiji Japan, Gandhian thought, nationalist movements. May be repeated under a different subtitle.

Credit Hours: 3

Prerequisite Courses: (HST 103 or HST 104) and HST 290
Additional Restrictions/Requirements: Prerequisite courses or consent of instructor.
University Studies: Building Competencies/Writing Intensive, Common Requirements/Critical Reasoning
Crosslisting: HST 597
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6

INT 335 - Topics in Asia

Intensive study of a selected topic or theme about Asia. May be repeated under a different subtitle.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

INT 336 - Modern China through Film

Examination of the social, cultural, economic, and political issues confronting modern China as constructed in feature films produced inside the country

and the West including before and after the Communists came to power.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

INT 337 - China Encounters the World

Examination of how China has encountered the world since the 17th century, with emphasis on the late 19th and 20th centuries and how China has emerged as a major power in the 21st century.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

JPN 101 - Introductory Japanese I

Emphasis on achievement of an active command of the language. Aural-oral practice; intensive study of the basic pattern of spoken Japanese; reading, writing, and basic conversation. For students with one unit or less of high school Japanese.

Credit Hours: 3

University Studies: Foundations/Foreign Language
Course Repeatability: Course may not be repeated.

JPN 102 - Introductory Japanese II

Acquire basics of Japanese conversation, pronunciation, reading, and written composition with approximately 60 new kanji. Skills include self-introductions, make simple requests to do and not to do things, describe situations and people, and report what others think and say.

Credit Hours: 3

Prerequisite Courses: JPN 101 with a C or better or sufficient score on placement exam or approved credit hour equivalents.
University Studies: Foundations/Foreign Language
Course Repeatability: Course may not be repeated.

JPN 201 - Intermediate Japanese I

Able to sustain short conversations as well as create and understand short written compositions on familiar topics such as personal interests, preferences, future plans, and past experiences with about 140 kanji, while continuing to explore elements of Japanese material and nonmaterial culture.

Credit Hours: 3

Prerequisite Courses: JPN 102 with a C or better or sufficient score on placement exam or approved credit hour equivalents.
Additional Restrictions/Requirements: Sufficient score on placement exam or approved credit hour equivalents.
University Studies: Foundations/Foreign Language
Course Repeatability: Course may not be repeated.

JPN 202 - Intermediate Japanese II

Study of spoken and written Japanese, including expressing abilities and desires, making and responding to requests, offering suggestions, making apologies, conveying second-hand information, and expressing doubt, all the while broadening knowledge

of Japanese culture. Introduces new constructions, including volitional, conditional, and benefactive verbs, as well as about 70 new kanji.

Credit Hours: 3

Prerequisite Courses: JPN 201 with a C or better or sufficient score on placement exam or approved credit hour equivalents.
University Studies: Foundations/Foreign Language
Course Repeatability: Course may not be repeated.

JPN 294 - Japanese Study Abroad I

Please enter a description.

Credit Hours: 1 To 9

University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

JPN 311 - Perspectives on Contemporary Japanese Culture

Social, economic, and political issues in contemporary Japanese culture explored through a variety of sources with particular emphasis on comparing and contrasting Japanese and international perspectives on trends and issues of global significance including national identity, the family unit, rights and responsibilities of individuals, and sustainability. Course taught in English.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

PAR 370 - Tibetan Buddhism

Examination of the Buddhism of Tibet as seen in ethical and social thought, ritual and meditation practice, philosophy, and art.

Credit Hours: 3

Prerequisite Courses: PAR 232
Additional Restrictions/Requirements: Prerequisite

course or consent of instructor.
Course Repeatability: Course may not be repeated.

PAR 371 - Buddhism

Survey of the essentials of Buddhism as seen in ethical and social thought, mediation practices, philosophies, rituals and art.

Credit Hours: 3

University Studies: Building Competencies/Writing Intensive/Information Literacy
Course Repeatability: Course may not be repeated.

PAR 372 - Religions of India

Examination of the religions of India as seen in ethical and social thought, ritual and mediation practice, philosophy, and art. Includes Hinduism, Buddhism, Sikhism, and Jainism

Credit Hours: 3

Course Repeatability: Course may not be repeated.

PAR 373 - Chinese Religions

Examination of the history, philosophies, practices, and institutions of Chinese religions through both primary texts and secondary scholarship. Focus mainly on the indigenous religions of China - Confucianism, Daoism, and 'popular' or 'folk' traditions. Course will make use of texts, films, online resources, and images.

Credit Hours: 3

University Studies: Building Competencies/Writing Intensive/Information Literacy
Course Repeatability: Course may not be repeated.

PAR 374 - Japanese Religions

Examination of Japanese religions and their roles in Japanese culture and society. Course will make use of texts, literature, film, anime, manga, and other media.

Credit Hours: 3

University Studies: Building Competencies/Writing Intensive/Information Literacy
Course Repeatability: Course may not be repeated.

PAR 375 - Islam

Introduction to religious beliefs, rituals and traditions of Islam. Examination of its historical background and contemporary significance.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

PLS 337 - Chinese Politics

Political system of China with special emphasis on the challenges of development, democracy, and nation-building in the post-1949 period.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

PLS 317 - Political Thought of Asia

Recommended: PLS 212. Critical assessment of philosophical responses to the political, economic, and social challenges faced by the Asian Region. Considers Asian political thought comparatively, addressing recurring issues of politics and community life.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

PLS 339 - Asian Politics

Recommended: PLS 230. Political systems of selected Asian countries. Special emphasis on the challenges of development, democracy, and nation-building in the post-World War II period.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

Total Credit Hours: 21

Additional Information

At least six credits of the total 21 must be taken at the 300-level or above. No more than 9 hours in a single discipline may be counted towards the minor. Substitutions may be approved for topic courses, seminars, directed individual study, field work, and/or study abroad that focus primarily on Asia. Students must have a grade of "C-" or better for each course

counted towards the minor and an overall "C" (2.00) average or better for all courses counted for the minor.

Assistance Dog Training Minor

Program Coordinator: Brent Hawkins, Ph.D. | Program Coordinator & Associate Professor

(Assistance Dog Training Minor | UNCW)

The School of Health and Applied Human Sciences offers an interdisciplinary minor in assistance dog training. The minor is designed to prepare students to be assistance dog trainers and to use animal assisted interventions in a variety of settings, such as schools, hospitals, and long-term facilities. Course work requires field experience working with assistance dogs in-training and individuals with disabilities. Students are accepted into the minor after successfully completing RTH 378 Advanced Assistance Dog Training I. Students should contact the coordinator for more information.

Total hours for the minor: 18 credit hours.

Students completing the Assistance Dog Training Minor are expected to:

1. Demonstrate an understanding of the various roles, responsibilities, and laws related to assistance dogs and animal assisted-interventions, including animal-assisted activities, animal-assisted education, and animal-assisted therapy;
2. Demonstrate the ability to apply animal behavior theories to training assistance dogs;
3. Demonstrate the ability to train an assistance dog to perform public access skills;
4. Demonstrate the ability to apply the concepts used in the classroom to train an assistance dog, appropriately place an assistance dog with a client, and train an assistance dog recipient to handle his or her assistance dog.
5. Demonstrate knowledge of and ability to use a facility dog (or other animal) to work with individuals or groups in a healthcare facility or school to accomplish client/student-centered goals.

Requirements for a Minor in Assistance Dog Training

Core (15 credit hours):

RTH 286 - Assistance Dog Training I

Introduction of all aspects, roles and functions of assistance dogs in society and specifically to individuals with physical, neurological, psychiatric or emotional disabilities. Assistance dogs will be attending class on a regular basis. Service learning hours are required.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.

RTH 287 - Assistance Dog Training II

Students learn stage one training for assistance dogs, which includes assistance and therapy dogs, through hands-on demonstration and practice. Assistance and other dogs will be attending class on a regular basis. Service learning hours required.

Credit Hours: 3

Prerequisite Courses: RTH 286 with C- or better
Additional Restrictions/Requirements: Prerequisite

course and consent of instructor.
Course Repeatability: Course may not be repeated.

RTH 378 - Advanced Assistance Dog Training I

Advanced knowledge of animal behavior and training theories and how to apply these theories to training assistance dogs. Students will engage in practical and hands-on experience in the training of assistance dogs; and will be responsible for the 24/7 care and training of an assistance dog in-training. Requires participation outside of scheduled class time and UNCW liability insurance.

Credit Hours: 3

Prerequisite Courses: RTH 287 with C- or better
Additional Restrictions/Requirements: Prerequisite course and consent of instructor.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3
Additional Course Fees: Additional Fee - Liability Insurance

RTH 379 - Advanced Assistance Dog Training II

Knowledge of advanced theories of disability and behaviors that influence placement and use of assistance dogs. Students will engage in practical and hands-on experience in the advanced training of assistance dogs; and the training of a assistance dog to work specifically with a potential assistance dog recipient. Students will be responsible for the 24/7 care. Requires participation outside of scheduled class time and UNCW liability insurance.

Credit Hours: 3

Prerequisite Courses: RTH 378 with C- or better
Additional Restrictions/Requirements: Prerequisite course and consent of instructor.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 3 **Repeat Limit:** 2
Additional Course Fees: Additional Fee - Liability Insurance

RTH 290 - Facility Dog Training

Introduction to the implementation of animal assisted interventions (AAI) utilizing highly-trained facility dogs. Emphasis will be on the selection and preparation of a

facility dog to include topics of the: human animal bond, appropriate placement/screening of dog and facility, and the utilization of these dogs with multiple populations. Facility dogs and their handlers will be attending class on a regular basis.

Credit Hours: 3

Prerequisite Courses: RTH 286 with a C- or better and RTH 287 with a C- or better
Additional Restrictions/Requirements: Prerequisite courses or permission of Instructor.
Course Repeatability: Course may not be repeated.
Additional Course Fees: Additional Fee - Liability Insurance

Electives (3 credit hours):

Students must choose one of the following courses to complete the minor.

COM 220 - Interpersonal Communication

Introduction to the theory and practice of relational communication in face-to-face and social media situations and contexts. Focus is on improving

interpersonal communication skills through understanding verbal, nonverbal, and relational processes.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.

COM 246 - Communication with Deaf and Hearing-Impaired Persons

Exploration of communication challenges faced by deaf and hearing-impaired populations and those who seek to communicate with them. Introduction to (ASL) sign language.

Credit Hours: 3

Additional Restrictions/Requirements: Sophomore, junior, or senior standing.
Course Repeatability: Course may not be repeated.

EDN 204 - Introduction to Early Childhood Education

This introductory course is designed for students who are interested in early childhood education and early intervention as professional careers. It examines the theoretical bases for teaching and early intervention with young children birth through five and their families. Content includes an overview of the historical roots, current issues, program models, and goals of early childhood education as well as an introduction to professional standards and organizations. Particular emphasis is placed on environments and interactions that are responsive to children's developmental, individual, and cultural needs. Field experiences required.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

PSY 217 - Learning and Behavior Change

Basic principles of conditioning, learning, and behavior change. Topics will include and introduction to classical and operant conditioning and the applications experimentally discovered principles to psychological interventions, as well as other fields such as education, business, and health.

Credit Hours: 3

Prerequisite Courses: PSY 105
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

PSY 223 - Life Span Human Development

Variables and factors underlying human growth and development across the life span. Physical, cognitive, social, emotional, and sexual developments are emphasized.

Credit Hours: 3

Prerequisite Courses: PSY 105
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

PSY 247 - Abnormal Psychology

An introduction to the symptoms and sequelae of behavioral disorders and major theories of the science of psychopathology or abnormal psychology.

Credit Hours: 3

Prerequisite Courses: PSY 105
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

PSY 317 - Applied Behavior Analysis: Challenging Behavior

Extension of the principles of learning and behavior analysis to socially significant human issues, focusing on the assessment and treatment of behavior in need of reduction and related ethical considerations. Topics include preference and reinforcer assessment, functional assessments, and function-based interventions. Areas of application include education, developmental and intellectual disabilities, health, and caregiver training.

Credit Hours: 3

Prerequisite Courses: PSY 217
Course Repeatability: Course may not be repeated.

PSY 318 - Applied Behavior Analysis: Skill Acquisition

Extension of the principles of learning and behavior analysis to socially significant human issues, focusing on the assessment and treatment of behavioral deficits. Topics include differential reinforcement, shaping, stimulus control, chaining, verbal behavior, habit reversal, and token economies. Areas of application include education, developmental and intellectual disabilities, and other diverse populations.

Credit Hours: 3

Prerequisite Courses: PSY 217
Course Repeatability: Course may not be repeated.

PSY 324 - Psychology of Aging

A study of the psychological aspects of human aging. Topics include the effects of normal and diseased aging on perceptual and cognitive functioning,

personality and social relationships, and physical and emotional health.

Credit Hours: 3

Prerequisite Courses: PSY 220 or PSY 221 or PSY 223
Additional Restrictions/Requirements: Prerequisite courses or consent of the instructor.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

PSY 416 - Adult Development and Life Transitions

A course in human development. An exploration of the major normative and nonnormative changes that take place during adulthood. Operating from a lifespan perspective, includes examination of how adults initiate, understand, cope with and resolve life transitions (e.g. parenting, loss, illness, career change, relationships, change.)

Credit Hours: 3

Prerequisite Courses: PSY 220 or PSY 221 or PSY 223 or PSY 320 or PSY 324
University Studies: Explorations Beyond the Classroom
Crosslisting: PSY 516
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

RTH 303 - Inclusive Recreation Services

Designed to increase the awareness of and sensitivity to the recreation and leisure needs of persons with disabilities. Specific attention is given to programmatic and administrative strategies for inclusive services in a variety of recreation settings.

Credit Hours: 3

Additional Restrictions/Requirements: RTH, REC and RST majors and minors only or consent of instructor.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

RTH 370 - Recreation Therapy in Physical Rehabilitation

Etiology, functional and health implications of physically disabling conditions; selection of interventions; safety considerations pertinent to planning and delivery of recreation therapy services.

Credit Hours: 3

Prerequisite or Corequisite Courses: RTH 368 with a C- or better.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

RTH 372 - Recreation Therapy in Behavioral Health

Etiology, functional, and health implications of developmental disabilities; sensory impairments; and conditions related to emotional and behavioral health; selection of recreation therapy interventions; safety considerations pertinent to planning and delivery of recreation therapy services.

Credit Hours: 3

Prerequisite or Corequisite Courses: RTH 368 with a

C- or better.
University Studies: Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

RTH 384 - Recreation Therapy and Child Life with Hospitalized Children

An overview of practitioners' roles with children and families in hospitals - includes developmental milestones/issues; healthcare experiences; therapeutic interventions; family-centered care; diagnostic and treatment interventions; pain management; death and dying; interdisciplinary communication.

Credit Hours: 3

Prerequisite Courses: RTH 368
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SED 250 - Introduction to Special Education

Survey of major categories of exceptionality including intellectual disabilities, learning disabilities, behavioral and emotional disorders, attention deficits and hyperactivity, communication disorders, sensory impairments, multiple and severe disabilities, physical and health impairments, and giftedness. Includes study of definitions, characteristics, etiology, psycho-social implications, educational interventions, and current issues. At least 6 field experience hours required.

Credit Hours: 3

University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

SED 351 - Learning and Behavioral Disorders in a Diverse Society

Designed to examine the complex variety of learners with behavioral or emotional disorders and learning disabilities. Emphasis on etiology, assessment,

diagnosis, characteristics, theories, historical influences, teaching strategies, and current trends. At least 15 field experience hours required.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

SED 356 - Severe Disabilities

Study of etiology, definitions, characteristics and programming needs of persons with moderate, severe, and profound intellectual disabilities, low functioning autism, and multiple disabilities. Current approaches to treatment and education of persons with severe disabilities in a variety of settings and across the life span will be included. Students will be expected to develop a basic knowledge of the various aspects of severe disabilities and use that knowledge to make informed decisions about appropriate practices in the education of this population. At least 15 field experience hours required.

Credit Hours: 3

Prerequisite Courses: SED 352.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3
Additional Course Fee Schedule

SOC 336 - Sociology of Aging

Sociological theories and methods used to explain the aging process. Topics include demography, age stratification, aging and the life course, minority elderly, housing patterns, health, and social policy.

Credit Hours: 3

Prerequisite Courses: SOC 105 or GRN 101
University Studies: Approaches and Perspectives/Living in Our Diverse Nation, Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 365 - Social Psychology

A sociological analysis of human social interaction. Topics include symbolic interaction, socialization,

interpersonal relations. Focus is on social and cultural influences on individual and group behavior.

Credit Hours: 3

Prerequisite Courses: SOC 105
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 433 - Sociology of Mental Disorder

Examination of the influences of race, social class, gender, and age on the incidence and prevalence of mental disorder. Consideration of the institutions that help those with mental disorders. Review of mental health law, including definitions of dangerousness, insanity as defense, mental health courts, and the right to treatment.

Credit Hours: 3

Prerequisite Courses: SOC 105.
University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

Total: 18 credit hours

Biology Minor

The College of Science and Engineering offers a minor in biology that provides students with a broad foundation for understanding biological concepts from both basic and applied perspectives. The biology minor allows students from any major to pursue a focused exploration of biology across a range of analytical levels, from the molecule and cell to the organism and ecosystem. Students should contact the undergraduate coordinator in the Department of Biology and Marine Biology for additional information.

Requirements for a Minor in Biology:

BIO 201 - Principles of Biology: Cells

Introduction to principles governing living systems, especially the cellular and molecular basis of life and the transmission and utilization of genetic information. The lab for this course is BIOL 201.

Credit Hours: 3

Prerequisite or Corequisite Courses: BIOL 201
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.
credit hours **Credits / Units:** 3
and

BIOL 201 - Principles of Biology: Cells Laboratory

Introduction to basic cell biology sampling techniques and data analysis. Experience in laboratory approaches to introduce basic investigative skills and methods of biological inquiry. This course is the lab for BIO 201.

Credit Hours: 1

Prerequisite or Corequisite Courses: BIO 201
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

credit hours **Credits / Units:** 1

BIO 202 - Principles of Biology: Biodiversity

Evolution, classification, and diversity of life, stressing morphology, physiology, principles of adaptation, and relationships between biotic and abiotic components of ecosystems. The lab for this course is BIOL 202.

Credit Hours: 3

Prerequisite or Corequisite Courses: BIOL 202
University Studies: Building Competencies/Information Literacy, Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.
credit hours **Credits / Units:** 3
and

BIOL 202 - Principles of Biology: Biodiversity Laboratory

Introduction to basic biodiversity sampling techniques and data analysis. Experience in laboratory approaches to introduce major taxonomic groups and biotic

principles. This course is the lab for BIO 202.

Credit Hours: 1

Prerequisite or Corequisite Courses: BIO 202
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

credit hours **Credits / Units:** 1

- 13 hours of Biology courses numbered 300 and above.

Total: 21 hours

Additional Information:

A "C" (2.00) or better average is required on courses counted towards the Biology minor.

Business Minor

none

Requirements for a Minor in Business

The minor in business requires completion of 22 hours, including 19 hours of core courses and 3 hours of electives. The minor is open to all students outside the Cameron School of Business. Business majors, with the exception of students pursuing a Bachelor's of Arts degree in Economics, are not eligible for the minor.

Required (19 hours):

ACG 201 - Financial Accounting

An introduction to the basic framework of accounting for students majoring in accountancy or other disciplines. Includes preparation of financial records and external financial reports. Emphasis on the underlying accounting concepts and constraints. The lab for this course is ACGL 201.

Credit Hours: 3

Corequisite Courses: ACGL 201
Prerequisite Courses: MAT 111 or MAT 150 or MAT 160
Course Repeatability: Course may not be repeated.

ACGL 201 - Financial Accounting Lab

This course is the lab for ACG 201.

Credit Hours: 1

Corequisite Courses: ACG 201
Course Repeatability: Course may not be repeated.

ECN 221 - Principles of Economics-Micro

Analysis of decision-making processes and economic equilibrium for the individual firm and consumer at an introductory level.

Credit Hours: 3

Prerequisite Courses: MAT 111 or MAT 150 or MAT 151 or MAT 160 or MAT 161
University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

FIN - 235 - Personal Finance

MGT 350 - Principles of Management

Study of theories, research and concepts underlying the structure and processes of complex organizations. Emphasis on problem solving issues and applications in organization design, leadership, motivation and interpersonal communications.

Credit Hours: 3

Additional Restrictions/Requirements: Sophomore standing or admission to the Cameron School of Business.
University Studies: Approaches and Perspectives/Living in Our Diverse Nation, Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.

MKT 340 - Principles of Marketing

Introduction to the concepts, activities and decisions that relate to the marketing function in domestic and international business. Focus on development and implementation of marketing strategies through the use of marketing mix variables of product, price, distribution, and promotion.

Credit Hours: 3

Additional Restrictions/Requirements: Sophomore standing or admission to the Cameron School of Business.
Course Repeatability: Course may not be repeated.

SCM 370 - Principles of Operations Management

This course provides a study of the drivers of quality, customer satisfaction, efficiency and productivity in service and manufacturing enterprises. Topics include product and service design, forecasting, quality management, facility location and layout, materials management, scheduling, project management, and supply chain management. While topics are covered for both manufacturing and service operations, attention is directed to the study and analysis of the operations management function in service enterprises.

Credit Hours: 3

Prerequisite or Corequisite Courses: BAN 280 or

STT 215
University Studies: Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

Plus 3 hours from:

ACG 203 - Managerial Accounting

An introduction to the concepts and techniques used by management to analyze and interpret accounting data in the organization.

Credit Hours: 3

Prerequisite Courses: ACG 201 and ACGL 201
Course Repeatability: Course may not be repeated.

BAN - 305 - Introduction to Business Analytics

BLA 361 - Legal Environment of Business

Study of the organization and role of business enterprises in society and their relationships in government. Examines how the legal environment is influenced by changing social and ethical values.

Topics include agency, antitrust, forms of business organization, environmental regulation, equal opportunity, labor law, product liability, and property rights.

Credit Hours: 3

Additional Restrictions/Requirements: Junior or senior standing, or admission to the Cameron School of Business, or students in the Accountancy and Business Law minor, or consent of department chair.
Course Repeatability: Course may not be repeated.

CYBR - 201 - Fundamentals of Cybersecurity

EBD 280 - Entrepreneurship for Non-Business Majors

Primary focus on the entrepreneurial mindset and the process for starting a business. Specific areas include the characteristics of successful entrepreneurs, profiles of successful new businesses, identifying and evaluating new business opportunities, and developing the business plan. Social and developmental entrepreneurship are also addressed.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.

ECN 222 - Principles of Economics-Macro

Aggregate economic analysis examining the effects of fiscal and monetary policy upon aggregate employment, income and prices at an introductory level.

Credit Hours: 3

Prerequisite Courses: ECN 221
University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.

FIN 335 - Principles of Financial Management

An introduction to the finance function of business enterprise and to the analytical techniques used in

making investment and financing decisions.

Credit Hours: 3

Prerequisite Courses: Prerequisite ACG 201, ECN 222 and (BAN 280 or STT 215); or prerequisite STT 315 and corequisite MAT 381.
Course Repeatability: Course may not be repeated.

INB 300 - International Business

Survey course of the importance of global issues as firms attempt to compete across the world. Key topics include: anticipating and preparing for global competition, understanding international trade theory and differences in political economies, reviewing global and regional economic integration, considering international market entry processes, and examining key cross-cultural issues affecting business operations.

Credit Hours: 3

Prerequisite Courses: ECN 222
Additional Restrictions/Requirements: Junior or senior standing, prerequisite course, or admission to

the Cameron School of Business.
University Studies: Approaches and Perspectives/Living in a Global Society, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

MIS - 213 - Introduction to Management Information Systems

MKT 248 - Sales Essentials

Examination of the theory and practice of sales skills designed to provide a professional foundation to students who will be involved in professional selling careers. Includes fundamentals of professional selling with an emphasis on self-confidence, persuasive presentation of ideas and products, customer orientation, and other selling behaviors. Familiarize students with the role of selling in the promotional mix, practice presentation skills to be successful in professional selling, overcome objections, and close the sale.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

Total: 22 hours

Additional Information:

Students must earn a C- or above in all classes in the minor. Students may not double-count more than 2 courses from the Business Minor and another minor offered by the Cameron School of Business.

Campaign Management Minor

Admission Requirements

Current UNCW Undergraduate Students

See University Admission Requirements

Requirements for a Minor in Campaign Management

Core Courses (9 Hours)

COM 250 - Introduction to Political Communication

Examination of political communication theory and research. Content includes approaches to and history of political communication, roles of the media and public opinion, and the analysis of political messages. Application of course content to past and current

political events.

Credit Hours: 3

Prerequisite Courses: COM 105 or PLS 205
Additional Restrictions/Requirements: Prerequisite courses or consent of instructor.
Course Repeatability: Course may not be repeated.

PLS 205 - Campaign and Elections

Focuses on the electoral arena (history, financing, political environments), nominations (delegate selections and conventions), campaigns (organization, strategy, tactics, media), and the election (votes, policy, reforms). Special attention is given to recent and current presidential and congressional election campaigns.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.

PLS 404 - Campaign Management and Strategies

Internal mechanics of political campaigns, major areas of campaign management and strategy, campaign organization, voter contact, campaign research, finance and fund-raising, and communications. Special attention is given to recent and current presidential, congressional, and gubernatorial election campaigns.

Credit Hours: 3

Prerequisite Courses: PLS 205
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
University Studies: Building Competencies/Information Literacy, Explorations Beyond the Classroom/Certified Internship Program
Course Repeatability: Course may not be repeated.

Elective Courses (9 Hours)

Choose 3 courses

COM 256 - Persuasive Communication and Social Influence

Explores the power of social and symbolic influence as it relates to perceptions, values, and actions of others in both negative and positive ways.

Credit Hours: 3

Prerequisite Courses: COM 101 or COM 105 or PLS 205
Additional Restrictions/Requirements: Prerequisite courses or consent of instructor.
Course Repeatability: Course may not be repeated.

COM 351 - Media and Politics

History and theory of the relationships among the mass media, government, and the American public, and their implications for American democracy. Portrayal and effects of various media. Addresses the media's independence from government, the structure of media organizations, media bias, news practices, political campaigns, and effects on public opinion.

Credit Hours: 3

Prerequisite Courses: COM 105 or PLS 205

Additional Restrictions/Requirements: Prerequisite courses or consent of instructor.
Course Repeatability: Course may not be repeated.

COM 352 - Political Communication II

Application-based examination of management, strategy, and tactics within political campaigns and the media coverage of modern politics. Students will survey historical and contemporary politics at both the local and national levels.

Credit Hours: 3

Prerequisite Courses: COM 250
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.

COM 356 - Speech Writing

Theory and practice of speech writing with special emphasis on writing speeches for others.

Credit Hours: 3

Prerequisite Courses: ENG 201 and (COM 105 or PLS 205), or permission of instructor.
University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

PLS 303 - Political Behavior

The impact of citizen beliefs and preferences on election outcomes, and the factors that influence political participation. Structured around a critical examination of the assumptions, findings, and interpretations of the major studies of political behavior.

Credit Hours: 3

Additional Restrictions/Requirements: Sophomore, junior or senior standing or consent of instructor.
University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

PLS 316 - Women in Politics

Introduction to political perspectives on sex role differentiation. Among the topics to be discussed will be

political socialization of women in ancient and modern society; women's roles in politics and government; political consequences of women's entry into the work force; and contemporary issues in the women's movement. Emphasis will be placed throughout on comparative political analysis.

Credit Hours: 3

Prerequisite Courses: PLS 101 or PLS 111
Additional Restrictions/Requirements: Prerequisite courses or consent of instructor.
Course Repeatability: Course may not be repeated.

PLS 353 - American Parties and Interest Groups

Historical and analytical treatment of the appearance and realignment of political parties during the five successive 'national party systems' since the beginning of the republic. Special emphasis is given to the question of contemporary party disarray and potential realignment.

Credit Hours: 3

Additional Restrictions/Requirements: Sophomore, junior or senior standing or consent of instructor.
University Studies: Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

PLS 403 - Public Opinion

Origin, content, and policy impact of public opinion in democratic nations. Emphasis on the contemporary American experience and the genesis of mass movements.

Credit Hours: 3

Additional Restrictions/Requirements: Sophomore, junior or senior standing or consent of instructor.
University Studies: Building Competencies/Writing Intensive, Building Competencies/Information Literacy, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

PLS 498 - Internship in Political Science

Experiential learning with selected public or private agencies or with an individual which allows the student

to utilize academic training while learning from a practical field experience. (Formal research project is a major part of the internship.)

Credit Hours: 3

Prerequisite Courses: PLS 101 and PLS 201 and (PLS 300 or PLS 304 or PLS 308)
Additional Restrictions/Requirements: Prerequisite courses, junior or senior standing, overall 3.00 GPA or consent of instructor.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12 **Repeat Limit:** 1
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

Major Restriction Political Science**Minor Restriction** Pre-Law

Total Credit Hours: 18

Additional Information

Students must complete a minimum of 9 hours from outside their major. Students must earn a minimum of 'C' (2.0) average for all courses counted toward the minor.

Chemistry Minor

The minor in chemistry is designed for students who are majoring in other disciplines but would like additional coursework in chemistry. It can be used to round out majors in other sciences or to add skills that will be assets in other careers.

Requirements for a Minor in Chemistry:

CHM 101 - General Chemistry I

Overview of the fundamental laws, principles and theories of chemistry. A 'C' or better in CHM 101 is required to take certain advanced courses in chemistry.

Credit Hours: 3

Corequisite Courses: CHML 101.
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural

World
Course Repeatability: Course may not be repeated.

CHML 101 - General Chemistry Laboratory I

Introduction to general chemistry laboratory techniques. This course is the lab companion course for general chemistry lecture CHM 101.

Credit Hours: 1

Corequisite Courses: CHM 101.
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

CHM 102 - General Chemistry II

Study of the fundamental laws, principles and theories of chemistry. Introduction to inorganic chemistry. Interpretation of experimental results. A 'C' or better in CHM 102 is required to take certain advanced courses in chemistry.

Credit Hours: 3

Corequisite Courses: CHML 102.
Prerequisite Courses: CHM 101 and CHML 101.
Course Repeatability: Course may not be repeated.

CHML 102 - General Chemistry Laboratory II

Introduction to techniques and equipment used in the chemical laboratory. Interpretation of experimental results. This course is the lab for CHM 102 .

Credit Hours: 1

Corequisite Courses: CHM 102.
Prerequisite Courses: CHML 101, CHM 101.
Course Repeatability: Course may not be repeated.

CHM 211 - Organic Chemistry I

Introduction to the chemistry of carbon compounds, including structure, reactions, mechanisms, and the concepts of organic synthesis. It is strongly recommended that students take the lab (CHML 211) concurrently with the lecture. The lab for this course is CHML 211.

Credit Hours: 3

Prerequisite Courses: CHM 102
Course Repeatability: Course may not be repeated.

CHML 211 - Organic Chemistry Laboratory I

Introduction to reactions of organic compounds and basic laboratory techniques. This course is the lab for CHM 211.

Credit Hours: 1

Prerequisite or Corequisite Courses: CHM 211.
Prerequisite Courses: CHML 102
Course Repeatability: Course may not be repeated.

CHM 212 - Organic Chemistry II

Reactions and reaction mechanisms of organic compounds. A 'C' or better in CHM 212 is required to take certain advanced courses in chemistry. The lab for this course is CHML 212. It is strongly recommended that students take the lab (CHML 212) concurrently with the lecture.

Credit Hours: 3

Prerequisite Courses: CHM 211 with a minimum grade of C
Course Repeatability: Course may not be repeated.

CHML 212 - Organic Chemistry Laboratory II

Reactions of organic compounds and the use of spectroscopic methods in the laboratory. This course is the lab for CHM 212.

Credit Hours: 1

Prerequisite Courses: Prerequisite:CHML 211. Prerequisite or corequisite: CHM 212.
Course Repeatability: Course may not be repeated.

or

CHM 235 - Quantitative Analysis

Data analysis and statistical methods; chemical equilibrium and analytical applications; volumetric analysis and spectrophotometry; acid-base chemistry; activities and other topics as time permits. Normally taken concurrently with CHML 235. The lab for this

course is CHML 235.

Credit Hours: 3

Prerequisite Courses: CHM 101 and CHML 101, and CHM 102 and CHML 102 with a minimum grade of C.
Course Repeatability: Course may not be repeated.

CHML 235 - Quantitative Analysis Laboratory

Laboratory techniques in classical and modern chemical analysis, including volumetric analysis, chromatography, and spectrophotometry. Application of statistical methods to laboratory data. Chemical equilibrium. This course is the lab for CHM 235.

Credit Hours: 1

Prerequisite or Corequisite Courses: CHM 235.
Course Repeatability: Course may not be repeated.

- 6 additional hours in chemistry at the 300-400 level

Total: 22 hours

Additional Information:

An overall grade point average of "C" (2.00) is required in all chemistry courses counted toward the minor. A student may only count a total of 3 credit hours of CHM 491, CHM 498, and CHM 499 toward the minor.

Classical Studies Minor

The College of Humanities, Social Sciences, and the Arts offers an interdisciplinary minor in Classical Studies. The minor provides students with a multifaceted understanding of the civilizations of ancient Greece and Rome, as well as of the Western foundations of modern intellectual traditions. Students complement core requirements with studies in the fine arts, literature, political science, history and civilization, philosophy and religion, and ancient languages. Students should contact the coordinator in the Department of World Languages and Cultures for additional information.

Admission Requirements

Current UNCW Undergraduate Students

- See University Admission Requirements

Requirements for a Minor in Classical Studies

18 hours, of which at least 6 must be selected from the core courses.

Core Courses (6 Credit Hours)

ARH 201 - Ancient Art and Archaeology

Introduction to the art and cultures of ancient Egypt, the Near East, and the Mediterranean. Emphasis on architecture, painting, sculpture, and objects of daily life to inform the myths and histories of ancient civilizations connected to the broader Mediterranean basin.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives
Course Repeatability: Course may not be repeated.

CLA 210 - Mythology

The major mythological systems of Western society Greek, Roman and Norse. Mythology of other parts of the world and related material are also considered.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives, Approaches and Perspectives/Historical and Philosophical Approaches
Crosslisting: ENG 210
Course Repeatability: Course may not be repeated.

PAR 201 - History of Western Philosophy I

A survey of Western philosophical thought in ancient and medieval times. Emphasis on the Greek origins of the philosophical tradition. Readings from the Pre-Socratics, Plato, Aristotle, Roman philosophy and such Christian thinkers as Augustine and Thomas Aquinas.

Credit Hours: 3

University Studies: Approaches and Perspectives/Historical and Philosophical Approaches, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

Elective Courses (12 Credit Hours)

ARH 301 - Ancient Greek Art

A study of the art of the Aegean and ancient Greece, from 3000 B.C. to the first century B.C. Emphasis on architecture, painting, and sculpture as related to ancient history and culture.

Credit Hours: 3

Prerequisite Courses: ARH 201 or ARH 202 or ARH 204 or consent of instructor.
Course Repeatability: Course may not be repeated.

ARH 302 - Ancient Roman Art

A study of the art of Etruria and Rome from the sixth century B.C. to 350 A.D. Emphasis on architecture, painting, and sculpture as related to ancient history and culture.

Credit Hours: 3

Prerequisite Courses: ARH 201 or ARH 202 or ARH 204 or consent of instructor.
Course Repeatability: Course may not be repeated.

ARH 381 - Classical Myth in Western Art

Exploration of how Greek mythological stories have been used in the Western artistic tradition, following key mythological figures who regularly appear in art from the tenth century BCE to today, addressing changes in tradition, narrative, and intent.

Credit Hours: 3

Prerequisite Courses: ARH 201 or ARH 202 or ARH 204
Additional Restrictions/Requirements: Consent of Instructor can be given in place of prerequisites.
Course Repeatability: Course may not be repeated.

CLA 209 - Classical Literature in Translation: Topics

Major authors of ancient Greece and Rome. Emphasis on ancient literature in its social context and on classical themes in later literatures. May be repeated under a different subtitle.

Credit Hours: 3

Prerequisite Courses: ENG 201
University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives, Building Competencies/Writing Intensive
Crosslisting: ENG 209
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6

CLA 330 - Women in Ancient Greece and Rome

Women in ancient Greece and Rome through documentary, artistic and literary sources. Women's economy and community, medical issues, slavery, religion, construction of gender roles, and images of heroines in literature and the arts.

Credit Hours: 3

Additional Restrictions/Requirements: Sophomore, junior, or senior standing.
University Studies: Approaches and Perspectives/Historical and Philosophical Approaches, Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

CLA 345 - Topics in Mythology

The study of a selected theme in world mythologies. Content varies from semester to semester. May be repeated once under a different subtitle.

Credit Hours: 3

Additional Restrictions/Requirements: Six hours of literature at the 200 level or above, or consent of instructor.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 3

CLA 491 - Directed Individual Study

Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult Directed Individual Studies section in this catalogue.

Credit Hours: 1 To 3

Additional Restrictions/Requirements: Junior or senior standing, overall GPA of at least 2.00, and consent of instructor, department chair, and dean.

Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

HST 306 - Ancient Greece and Rome

A study of the civilization of ancient Greece and Rome with special emphasis on the Greek classical period and the Pax Romana.

Credit Hours: 3

Additional Restrictions/Requirements: Any HST course or consent of instructor.
Course Repeatability: Course may not be repeated.

LAT 102 - Introductory Latin II

The second course in a two-course sequence. Please see LAT 101 for description.

Credit Hours: 3

University Studies: Foundations/Foreign Language
Course Repeatability: Course may not be repeated.

LAT 201 - Intermediate Latin I

A review of the grammatical structure of the language. Emphasis on developing reading skills through readings from various Latin authors.

Credit Hours: 3

Prerequisite Courses: LAT 102
University Studies: Foundations/Foreign Language
Course Repeatability: Course may not be repeated.

LAT 202 - Intermediate Latin II

The second course in a two-course sequence. Please see LAT 201 for description.

Credit Hours: 3

University Studies: Foundations/Foreign Language
Course Repeatability: Course may not be repeated.

LAT 491 - Directed Individual Study

Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.

Credit Hours: 1 To 3

Additional Restrictions/Requirements: Junior or senior standing, overall GPA of at least 2.00, and consent of instructor, department chair and dean.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

PAR 141 - Research Tools for Historical and Textual Criticism--Greek

Basic study of the Greek language with special attention to that of the New Testament.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

PAR 142 - Intermediate Greek

Continued study of the Greek language with attention to texts from the Hellenistic world.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

PAR 302 - Plato

Study of the Dialogues of Plato. Analysis of texts; contemporary interpretations.

Credit Hours: 3

Prerequisite Courses: PAR 101 or PAR 201
Additional Restrictions/Requirements: Prerequisite courses or consent of instructor.
Course Repeatability: Course may not be repeated.

PAR 303 - Aristotle

An examination of Aristotle's philosophy through selected texts, supplemented with contemporary criticisms. Aristotle's criticisms of Plato; problems of interpretation.

Credit Hours: 3

Prerequisite Courses: PAR 101 or PAR 201
Course Repeatability: Course may not be repeated.

Total Credit Hours: 18

Additional Information

A "C" (2.00) or better average is required on courses counted toward the minor in Classical Studies.

Climate Change Sciences Minor

The Department of Earth and Ocean Sciences offers a minor in Climate Change Sciences. Because climate change science is a truly integrative and dynamic field which continues to become more technological and global in its approach, the climate change science minor requires students to develop basic proficiencies in several fields, while allowing students to focus on their specific interests through selection of appropriate elective courses.

Requirements for a Minor in Climate Change Sciences

Core Courses (6 Credit Hours)

Choose two of the following courses (only one of the Global Climate Change courses will count). The remaining courses can be used as an elective.

GGY 230 - Introduction to Weather and Climate

Examination of general climatic characteristics through space and time, especially as influenced by controls upon temperature, wind and moisture distributions, and by planetary, regional and local atmospheric disturbances.

Credit Hours: 3

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

OCN 250 - Coasts and Society

Variability of coastal landforms, the processes that shape them, problems brought about by natural and anthropogenic changes, and the role of culturally-based perceptions on valuation and management of coastal systems. Focus on coastal environments of populated continents and island nations including barrier islands, rocky coasts, dunes, estuaries, marshes and deltas.

Credit Hours: 3

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World, Approaches and Perspectives/Living in a Global Society, Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

Choose from one of the following Global Climate Change courses:

GGY 420 - Global Climate Change

Analysis of natural and anthropogenic global climate change with an emphasis on future global climate change. Topics include Earth's energy balance, the global carbon cycle, climate modeling, atmospheric composition and dynamics. Review of geographical variation in climate change.

Credit Hours: 3

Prerequisite Courses: GGY 230
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
University Studies: Building Competencies/Writing

Intensive
Crosslisting: GLY 420, PHY 420
Course Repeatability: Course may not be repeated.

GLY 420 - Global Climate Change

Analysis of natural and anthropogenic global climate change with an emphasis on future global climate change. Topics include Earth's energy balance, the global carbon cycle, climate modeling, atmospheric composition, and dynamics. Review of geographical variation in climate change.

Credit Hours: 3

Prerequisite Courses: GGY 230
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
University Studies: Building Competencies/Writing Intensive
Crosslisting: GGY 420, PHY 420
Course Repeatability: Course may not be repeated.

PHY 420 - Global Climate Change

Analysis of natural and anthropogenic global climate change. Historical and geological records of climate including sediment, tree ring, and ice core analysis. Physics and chemistry of climate, including Earth's energy balance, global carbon cycle, climate modeling, atmospheric composition and dynamics.

Credit Hours: 3

Prerequisite Courses: PHY 102 or (PHY 202 and CHM 102 and CHML 102 and MAT 162)
University Studies: Building Competencies/Writing Intensive
Crosslisting: GGY 420, GLY 420
Course Repeatability: Course may not be repeated.

Elective Courses (12 Credit Hours)

Choose 12 credit hours from the classes listed below. Courses not used in the core can be counted here as electives. Only one of the Global Climate Change courses will count toward the major. At least nine credit hours must be at the 300 level or above.

GGY 101 - Modern World Geography

The theory, techniques, and professional applications of modern geographic science. Examines geography as a broad interdisciplinary science focused on places, spatial patterns, and the intersection between human activities and the natural world. Includes discussion of the historical origins and modern relevance of geographic thought.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

GGY 130 - Geosystems

Spatial distribution of environmental elements and processes, including weather and climate, groundwater, soils, rocks, plate tectonics, landforms, and vegetation. Three lecture and two laboratory hours each week.

Credit Hours: 4

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World, Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

GGY 160 - Our Changing Climate

Basic introduction to global climate change science and the potential impacts of global climate change. Explores global climate change skepticism and related political behaviors.

Credit Hours: 3

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World, Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.

GGY 230 - Introduction to Weather and Climate

Examination of general climatic characteristics through space and time, especially as influenced by controls upon temperature, wind and moisture distributions, and

by planetary, regional and local atmospheric disturbances.

Credit Hours: 3

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

GGY 333 - Applied Climatology

The spatial distribution and character of climates, their relation to other elements of the environment and to human activities. Students work individually or in small groups to solve problems through applications of climate principles and data.

Credit Hours: 3

Prerequisite Courses: GGY 130 or GGY 230
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
University Studies: Building Competencies/Writing

Intensive
Course Repeatability: Course may not be repeated.

GGY 340 - Global Change: Population, Resources, and the Environment

Introduction to the four major driving forces of global change: demographic trends, natural resource use, climate change, and globalization. Explores the role of economic and cultural development and analyzes regional patterns that result in the unique manifestations of global change.

Credit Hours: 3

Prerequisite Courses: GGY 130 or GGY 101 or GGY 180, or consent of instructor.
Course Repeatability: Course may not be repeated.

GGY 420 - Global Climate Change

Analysis of natural and anthropogenic global climate change with an emphasis on future global climate change. Topics include Earth's energy balance, the global carbon cycle, climate modeling, atmospheric composition and dynamics. Review of geographical

variation in climate change.

Credit Hours: 3

Prerequisite Courses: GGY 230
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
University Studies: Building Competencies/Writing Intensive
Crosslisting: GLY 420, PHY 420
Course Repeatability: Course may not be repeated.

GGY 426 - Environmental Geographic Information Systems

Overview of environmental applications of GIS including planning, date development, and analysis of the data, and oral and written presentation of the results. Students work individually or in small groups to remediate an environmental problem. Two lecture and two laboratory hours each week.

Credit Hours: 3

Prerequisite Courses: GGY 321 or consent of

instructor
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Crosslisting: GGY 526
Course Repeatability: Course may not be repeated.

GGY 436 - Ice Age Earth

A review of the Quaternary Period, roughly the last two million years of earth history. Topics included the discovery of the ice age, climate change theory, glacial dynamics, geological and biological records of environmental change, and human evolution and migration during the Quaternary.

Credit Hours: 3

Prerequisite Courses: GGY 130 or GGY 230 or GLY 101 or OCN 150.
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

GGY 475 - Water Resources: Science and Policy

This multi-disciplinary approach to planetary water management includes the history of water resource issues; natural hydrospheric water processes; water quality constituents in ecosystems and human health; water project construction and management; environmental impact issues of water quality, quantity, and management; and applications of water laws, allocation, economics, and conflict resolution.

Credit Hours: 3

Prerequisite Courses: GGY 130 or EVS 195 or OCN 150
Crosslisting: GGY 575
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 3

GLY 125 - Natural Disasters

Examination of the causes, effects, and options available to mitigate actual disasters, such as earthquakes, volcanic eruptions, landslides, subsidence, flooding, severe weather, and meteorite

impacts. Case histories are used to demonstrate scientific principles and socioeconomic issues.

Credit Hours: 3

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

GLY 132 - The Earth Through Time

Geologic history of the earth and the fossil record. Methods of dating rocks and fossils, interpreting ancient environments and the age of the earth. Field trips.

Credit Hours: 4

Prerequisite Courses: GLY 101 or GLY 120 or GGY 130.
Course Repeatability: Course may not be repeated.

GLY 420 - Global Climate Change

Analysis of natural and anthropogenic global climate change with an emphasis on future global climate change. Topics include Earth's energy balance, the global carbon cycle, climate modeling, atmospheric composition, and dynamics. Review of geographical variation in climate change.

Credit Hours: 3

Prerequisite Courses: GGY 230
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
University Studies: Building Competencies/Writing Intensive
Crosslisting: GGY 420, PHY 420
Course Repeatability: Course may not be repeated.

GLY 439 - Paleoclimatology

Climatic change throughout geologic time, with an emphasis on Quatenary climate change. Topics include an overview of Earth's climate system, tectonic-scale, orbital-scale, millennial-scale, and future climate change.

Credit Hours: 3

Prerequisite Courses: GGY 130 or GGY 230 or GLY 101
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
University Studies: Building Competencies/Writing Intensive
Crosslisting: GLY 539
Course Repeatability: Course may not be repeated.

OCN 150 - Introduction to Oceanography

An introduction to the geology, physics, chemistry, and biology of the ocean; instruments and techniques of oceanography; resources of the ocean. The lab for this course is OCNL 150.

Credit Hours: 3

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

OCN 250 - Coasts and Society

Variability of coastal landforms, the processes that shape them, problems brought about by natural and anthropogenic changes, and the role of culturally-based perceptions on valuation and management of coastal systems. Focus on coastal environments of populated continents and island nations including barrier islands, rocky coasts, dunes, estuaries, marshes and deltas.

Credit Hours: 3

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World, Approaches and Perspectives/Living in a Global Society, Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

OCN 350 - Advanced Oceanography

An in-depth examination of the structure and formation of ocean basins, the role of oceans in the hydrological cycle, the physical properties of seawater, atmospheric and ocean circulation, waves, and tides. Emphasis on data analysis and quantitative problem solving.

Credit Hours: 3

Prerequisite Courses: OCN 150
University Studies: Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

OCN 474 - Ocean Acidification

Exploration of the dynamic nature of our oceans, including the causes and impacts of ocean acidification on marine life and biogeochemical cycles today, and throughout Earth's history. Lectures, interactive group tasks, and student-driven dialogues on this critical environmental issue.

Credit Hours: 3

Prerequisite Courses: OCN 150 or CHM 101 or GLY 101 or GLY 120 or permission from instructor.
Course Repeatability: Course may not be repeated.

OCN 475 - Marine Biogeochemistry

A geochemical perspective on the chemistry of the world's oceans with an emphasis on carbon cycling through the marine geosphere and biosphere. Topics

include introductions to chemical oceanography, stable isotope geochemistry, paleoceanography, and investigations into the role of the oceans in the global carbon cycle through time.

Credit Hours: 3

Prerequisite Courses: CHM 101 and CHML 101; and CHM 102 and CHML 102.
Additional Restrictions/Requirements: Prerequisite courses or consent of instructor.
Crosslisting: GLY 575.
Course Repeatability: Course may not be repeated.

OCN 485 - Relative Sea Level

Understanding relative sea level, sea-level fingerprints, and sea-level change to identify records of past coastal change, coastal dynamics, and coastal vulnerability at different timescales.

Credit Hours: 3

Prerequisite Courses: OCN 150, OCN 250, or GLYL

101
Course Repeatability: Course may not be repeated.

BIO 378 - Global Environmental Problems

Review and discussion of causes and effects of major environmental problems, with emphasis on ecosystem-level effects and interactions. Topics include extinction, deforestation, climate change, and pollution impacts.

Credit Hours: 3

Prerequisite Courses: BIO 201 and BIO 202 and CHM 101 and CHML 101.
Course Repeatability: Course may not be repeated.

EVS 205 - Global Environmental Issues

Interdisciplinary study of contemporary environmental issues at a global scale, such as climate change, human population, biodiversity loss, food and water scarcity, energy, stratospheric ozone depletion, acid rain, and environmental justice. Causes, effects, policy implications, international negotiations, and development of treaties will be examined.

Credit Hours: 3

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

EVS 305 - Environmental Impacts of Climate Change

Team-taught by Department of Environmental Sciences faculty, this course focuses on the current and predicted effects of climate change on Earth's abiotic and biotic environment. This course is intended to enhance students' abilities to address challenges in the 21st century by providing a multidisciplinary approach to problem solving using biological, physical, social, and economic perspectives.

Credit Hours: 3

Prerequisite Courses: EVS 205.
Additional Restrictions/Requirements: Junior/Senior

standing or permission of instructor.
Course Repeatability: Course may not be repeated.

PHY 107 - Introduction to Climate Physics

Topics in algebra-based physics as applied to the global climate system and global energy balance. Introduction to the physics of the atmosphere and ocean, including vertical and meridional structure, atmospheric circulation and convection, wind-driven and thermohaline ocean circulation, climate variability and global warming, climate modeling and the modern international climate science process.

Credit Hours: 0 To 4

Course Repeatability: Course may not be repeated.

PHY 420 - Global Climate Change

Analysis of natural and anthropogenic global climate change. Historical and geological records of climate including sediment, tree ring, and ice core analysis. Physics and chemistry of climate, including Earth's energy balance, global carbon cycle, climate modeling, atmospheric composition and dynamics.

Credit Hours: 3

Prerequisite Courses: PHY 102 or (PHY 202 and CHM 102 and CHML 102 and MAT 162)
University Studies: Building Competencies/Writing Intensive
Crosslisting: GGY 420, GLY 420
Course Repeatability: Course may not be repeated.

Total Credit Hours: 18

Clinical Research Minor

Program Coordinator: Annemarie Petroff, MS I Program Coordinator & Lecturer

(Clinical Research Minor I UNCW)

The Clinical Research Program offers a Minor in Clinical Research which focuses on fundamentals of clinical research methods, regulatory considerations, operational steps and clinical background involved in phases one through four of biopharmaceutical product development. The program content is relevant to employment in pharmaceutical companies, contract research organizations, clinical research service

providers, and clinical settings enrolling clinical trial subjects. The minor will allow students gaining expertise in other areas (e.g., statistics, chemistry, biology, etc.) to master the fundamental aspects of clinical research for careers in the clinical research industry or conducting clinical research as a clinician.

The Clinical Research Minor is not a nursing or laboratory based program.

Program Objectives for the Minor in Clinical Research

Upon completion of the Minor students should be able to: Discuss the foundational elements of clinical research methodologies described in study protocols with emphasis on study design, ethical aspects, operational aspects, and regulatory compliance. Explain scientific and regulatory concepts related to the development, design, and analysis of clinical studies for biopharmaceutical and medical device product development. Discuss clinical study operations in the context of Good Clinical Practice and other relevant guidelines and regulations Describe the collection, flow, and management of data through a clinical study and the role of statistics and informatics.

The Clinical Research minor is not a nursing or laboratory-based program.

Requirements for a minor in Clinical Research

Completion of a minor in Clinical Research requires 12-18 credit hours from the following core courses and up to 6 credit hours from the electives specified below. An application to the minor is not required.

Core Courses (12-18 credit hours):

CLR 301 - Introduction to Clinical Research

Provides overview of people, terminology, execution, and regulations involved in clinical research process. Focuses on phases of biopharmaceutical product development and protection of human subjects. Emphasis on FDA evaluation of new products for the pharmaceutical and biotechnology industries. Open to non-majors.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

At least three of the following Core Courses:

CLR 325 - Pharmacotherapeutics

Focuses on therapeutic uses and effects of drugs. Discusses drug classes that may be encountered in clincal protocols during new drug development. Reviews various medical conditions and summarizes basic pathophysiology, clinical presentation, diagnosis, desired outcome, disease prevention, pharmacologic and non-pharmocologic therapy.

Credit Hours: 3

Prerequisite Courses: CLR 301 with a C or better.
Additional Restrictions/Requirements: Restricted to Clincal Research majors and minors.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

CLR 330 - Fundamentals of Biopharmaceutical Product Development

This completely on-line course provides an overview of the development of pharmaceutical and biotechnology products for the marketplace. This course reviews the theoretical and practical aspects of the discovery of new entities, the preclinical process, chemistry

manufacturing and controls (CMC), manufacturing and scale-up of candidate products, over-the-counter and generic drugs, production and stability of marketed products as well as the overall costs of drug development.

Credit Hours: 3

Prerequisite Courses: CLR 301 with a C or better
Additional Restrictions/Requirements: Open only to students within the Clinical Research major or Clinical Research minors.
Course Repeatability: Course may not be repeated.
Major Restriction Restricted to Clinical Research majors**Minor Restriction** Restricted to Clinical Research minors

CLR 340 - Study and Site Management for Clinical Trials

Operational aspects of clinical trials at the site level, including financial, personnel, and legal considerations. Introduces relevant regulations and guidelines including ICH GCP. Includes discussion of roles, responsibilities, and perspectives of the subject, clinical study

coordinator, prinicipal investigator, sponsor, and contract research organization.

Credit Hours: 3

Prerequisite Courses: CLR 301 with a C or better.
Additional Restrictions/Requirements: Only open to students within the Clinical Research major.
University Studies: Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

CLR 350 - Understanding Medical Terminology and Clinical Endpoints

Audio-visual approach to study of medical terminology, body systems, diagnostic procedures, and pharmacology. Emphasizes word construction, spelling, usage, comprehension, pronunciation, abbreviations. Applies terminology to clinical study endpoints commonly used to measure safety and efficacy of a biopharmaceutical product.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

CLR 430 - Managing and Monitoring Clinical Trials

Reviews theoretical principles and practices guiding trial monitoring, project management, and trial phases including planning, initiation, monitoring and closing. Discusses roles and responsibilities of people and groups focusing on protocol development, site monitoring, quality assurance, data management and overall trial management.

Credit Hours: 3

Prerequisite Courses: CLR 301 with a C or better and CLR 330 with a C or better and CLR 340 with a C or better.
Additional Restrictions/Requirements: Restricted to Clinical Research majors.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

CLR 440 - Bioanalytics

Examines study designs and statistical analyses commonly used in biopharmaceutical clinical trials and post-marketing studies with focus on interpreting descriptive and inferential statistics. Explores techniques such as randomization, blinding, and placebo-control. Reviews industry processes for data analysis. Discusses basic concepts in epidemiology, pharmacoeconomics, psychometrics/patient-reported outcomes.

Credit Hours: 3

Prerequisite Courses: CLR 301 with a C or better and CLR 330 with a C or better and CLR 350 with a C or better.
Additional Restrictions/Requirements: Restricted to CLR majors and CLR minors.
University Studies: Building Competencies/Information Literacy, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

CLR 450 - Data Management

Examines role and responsibilities of data management in clinical research. Topics include organization, collection, review, and tracking of data; technology platforms; case report form design, and regulations. Includes an applied component to learn data structure and manipulation.

Credit Hours: 4

Prerequisite Courses: CLR 301 with a C or better.
Additional Restrictions/Requirements: Open only to students in the CLR major and CLR minor.
University Studies: Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 4

Electives (up to 6 credit hours):

Up to 6 credit hours from any of the following courses can be applied, but are not required if additional CLR courses are taken:

BIO 240 - Human Anatomy and Physiology I

Lecture must be taken concurrent with BIOL 240 . An introduction to the human organism with particular emphasis on maintenance of an internal steady state. Tissues, musculoskeletal, nervous, and endocrine systems are stressed. The lab for this course is BIOL 240.

Credit Hours: 3

Corequisite Courses: BIOL 240.
Prerequisite Courses: BIO 201 and CHM 101 and CHML 101.
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

BIO 241 - Human Anatomy and Physiology II

A comprehensive study of human organ systems as relates to the maintenance of homeostasis. Topics include cardiovascular, respiratory, digestive, urinary, and reproductive systems. The lab for this course is BIOL 241.

Credit Hours: 3

Corequisite Courses: BIOL 241
Prerequisite Courses: BIO 240
Course Repeatability: Course may not be repeated.

BIO 308 - Biology of Cancer

A comprehensive and multifaceted approach to studying cancer. Focus on research methods in three areas of investigation: basic cancer biology, cancer epidemiology, and clinical cancer research.

Credit Hours: 3

Prerequisite Courses: BIO 201 and BIO 202.
Course Repeatability: Course may not be repeated.

BIO 370 - Evolutionary Medicine

The scientific study of evolutionary principles as they apply to human health and disease. Topics include antibiotic resistance, pathogen virulence, aging, cancer, autoimmune disease, obesity, and mental illness.

Credit Hours: 3

Prerequisite Courses: BIO 201 and BIO 202.
Course Repeatability: Course may not be repeated.

CHM 211 - Organic Chemistry I

Introduction to the chemistry of carbon compounds, including structure, reactions, mechanisms, and the concepts of organic synthesis. It is strongly recommended that students take the lab (CHML 211) concurrently with the lecture. The lab for this course is CHML 211.

Credit Hours: 3

Prerequisite Courses: CHM 102
Course Repeatability: Course may not be repeated.

CHM 235 - Quantitative Analysis

Data analysis and statistical methods; chemical equilibrium and analytical applications; volumetric analysis and spectrophotometry; acid-base chemistry; activities and other topics as time permits. Normally taken concurrently with CHML 235. The lab for this course is CHML 235.

Credit Hours: 3

Prerequisite Courses: CHM 101 and CHML 101, and CHM 102 and CHML 102 with a minimum grade of C.
Course Repeatability: Course may not be repeated.

CSC 231 - Introduction to Data Structures

Study of basic data structures and their applications. Lists and trees; searching and sorting algorithms; hashing; analysis and design of efficient algorithms. Recommended for CSC majors only. A grade of 'C' (2.00) or better is required for taking courses for which CSC 231 is a prerequisite.

Credit Hours: 4

Corequisite Courses: CSC 133
Prerequisite Courses: CSC 131 with a minimum grade of C
Course Repeatability: Course may not be repeated.

CSC 385 - Professional and Ethical Issues in Computing

Professional and ethical issues arising from the impact of computer science and related technologies on society. Topics include ethical issues, obligations of professional practice, privacy and security, intellectual property, work and health issues, and the impact of emerging technologies. Students give both oral and written presentations and discuss case studies.

Credit Hours: 3

Prerequisite Courses: ENG 101, and (CSC 131 with a minimum grade of "C").
Additional Restrictions/Requirements: Junior or senior standing in computer science or information technology or Digital Arts or Software Engineering
University Studies: Building Competencies/Writing Intensive, Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.
Major Restriction Computer Science or Information Technology or Digital Arts or Software Engineering**Minor Restriction** Computer Science or Information Technology or Digital Arts or Software Engineering

ENG 312 - Writing Strategies for Business and Innovation

Advanced exploration of research and writing skills needed to plan and design texts for diverse audiences within organizational contexts. Projects include business plans, proposals, reports, and other genres developed using a variety of media. Includes instruction in graphically representing data and using social media for research and/or outreach.

Credit Hours: 3

University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

EXS 216 - Human Anatomy and Physiology I

Examines seven of the major organ systems that includes the human integumentary, skeletal, muscular, circulatory, and respiratory structures and functions as related to health and movement.

Credit Hours: 3

Corequisite Courses: EXSL 216
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural Word
Course Repeatability: Course may not be repeated.

EXS 217 - Human Anatomy and Physiology II

Examines six major organ systems that include the human nervous, endocrine, immune, digestive, urinary and reproductive systems as related to health and movement.

Credit Hours: 3

Corequisite Courses: EXSL 217
Prerequisite Courses: EXS 216
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

ENG 313 - Writing About Science, Medicine, and the Environment

Exploration of scientific discourse focusing on analyzing scientific texts and rewriting scientific and

technical information for a variety of audiences. Includes the development of relevant research skills.

Credit Hours: 3

University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

EXS 310 - Research Methods in Exercise Science

Methods of research in the field of exercise science. Identification of research problems, sampling methods, data analysis and interpretation, and planning of evaluation studies.

Credit Hours: 3

Prerequisite Courses: EXS 210 with a "C" or better or RSP 324
University Studies: Building Competencies/Writing Intensive, Building Competencies/Information Literacy, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

EXS 320 - Exercise Physiology

This course is designed to enhance knowledge with respect to the physiological considerations and associated mechanisms related to physical activity, exercise, and performance.

Credit Hours: 3

Corequisite Courses: EXSL 320.
Prerequisite Courses: BIO 201 with a "C" or better, CHM 101 with a "C" or better, CHML 101 with a "C" or better, MAT requirement with a "C" or better (MAT 111 or MAT 112 or MAT 115 or MAT 151 or MAT 161 or MAT 160 with a "C" or better), (EXS 216 with a "C" or better and EXSL 216 with a "C" or better) or (BIO 240 with a "C" or better and BIOL 240 with a "C" or better) and (EXS 310 with a "C" or better or CHHS 411 with a "C" or better).
Additional Restrictions/Requirements: Restricted to Preexercise Science (PEXS) or Exercise Science (EXS) majors only or permission of instructor at the time the course begins.
University Studies: Critical Reasoning

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

MGT 350 - Principles of Management

Study of theories, research and concepts underlying the structure and processes of complex organizations. Emphasis on problem solving issues and applications in organization design, leadership, motivation and interpersonal communications.

Credit Hours: 3

Additional Restrictions/Requirements: Sophomore standing or admission to the Cameron School of Business.
University Studies: Approaches and Perspectives/Living in Our Diverse Nation, Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.

MKT 340 - Principles of Marketing

Introduction to the concepts, activities and decisions that relate to the marketing function in domestic and

international business. Focus on development and implementation of marketing strategies through the use of marketing mix variables of product, price, distribution, and promotion.

Credit Hours: 3

Additional Restrictions/Requirements: Sophomore standing or admission to the Cameron School of Business.
Course Repeatability: Course may not be repeated.

PBH 310 - Social and Behavioral Determinants of Health

An overview of social and behavioral concepts related to public health with specific emphasis on behavioral theory and evidence-based practice. Examines the integration of health behavior, health theories and health promotion.

Credit Hours: 3

Additional Restrictions/Requirements: Minimum passing grade of "C-" or above required in each PBH

course to progress in the program. Open to PBH majors only.
Course Repeatability: Course may not be repeated.

PBH 320 - Foundations of Global Health

Overview of health around the world. The class will explore contemporary issues, problems, and controversies in global health and identify key global health challenges, their distributions, and prevention strategies.

Credit Hours: 3

Additional Restrictions/Requirements: Minimum passing grade of "C-" or above required in each PBH course to progress in the program. Open to PBH majors only.
University Studies: Building Competencies/Information Literacy
Crosslisting: HEA 320.
Course Repeatability: Course may not be repeated.

PBH 452 - Epidemiology

Epidemiology overview and history; distributions of disease by time, place and person; association and causality; epidemiological study designs; population and attributable risk; sensitivity, specificity and screening; public health practice and prevention; special issues in infectious and noninfectious disease epidemiology.

Credit Hours: 3

Prerequisite Courses: PBH 359 with a minimum grade of "C-".
Additional Restrictions/Requirements: Minimum passing grade of "C-" or above required in each PBH course to progress in the program. Open to PBH majors only.

University Studies: Building Competencies/Information Literacy, Building Competencies/Writing Intensive
Crosslisting: HEA 452.
Course Repeatability: Course may not be repeated.
Major Restriction PBH

PSY 245 - Drugs and Behavior

Psychological aspects of drug use and abuse. Emphasis on the effects of major psychoactive drugs (including alcohol) on behavior, the psychological determinants of drug use, and treatment of drug abuse.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

PSY 256 - PSY 256 - Brain and Behavior - Hungerford

An introductory survey of the functional anatomy of the nervous system and the roles which various neural systems play in normal and abnormal behavior.

Credit Hours: 3

Prerequisite Courses: PSY 105 and (BIO 105, BIO 140+BIOL 140, BIO 201, BIO 202, or BIO 240+BIOL 240)
Additional Restrictions/Requirements: Prerequisite courses or consent of the instructor.
University Studies: Approaches and

Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

PSY 355 - Introduction to Experimental Psychology

Basic principles of psychological research design and evaluation, including techniques of data collection and analysis, and conduct, interpretation, and reporting of various types of psychological research. Experimental research is emphasized.

Credit Hours: 6

Prerequisite Courses: PSY 225
University Studies: Building Competencies/Writing Intensive, Building Competencies/Information Literacy, Critical Reasoning
Course Repeatability: Course may not be repeated.

SCM 370 - Principles of Operations Management

This course provides a study of the drivers of quality, customer satisfaction, efficiency and productivity in

service and manufacturing enterprises. Topics include product and service design, forecasting, quality management, facility location and layout, materials management, scheduling, project management, and supply chain management. While topics are covered for both manufacturing and service operations, attention is directed to the study and analysis of the operations management function in service enterprises.

Credit Hours: 3

Prerequisite or Corequisite Courses: BAN 280 or STT 215
University Studies: Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

STT 215 - Introduction to Statistics

Methods of data collection; numerical and graphical analyses of univariate and bivariate data; axioms of probability; conditional probability; independence; distributions of random variables; introduction to confidence intervals and hypothesis testing; simple

linear regression and correlation; use of statistical software to analyze data and simulate random variables.

Credit Hours: 3

University Studies: Foundations/Mathematics and Statistics
Course Repeatability: Course may not be repeated.

STT 315 - Introduction to Probability

Introduction to calculus-based probability. Topics include: discrete and continuous random variables and probability distributions; mathematical expectation and variance; sampling distributions and the central limit theorem.

Credit Hours: 3

Prerequisite Courses: MAT 152 or MAT 162.
Course Repeatability: Course may not be repeated.

Some non-CLR courses require pre-requisites. Students are expected to complete the prerequisites outside the CLR minor.

Total: 18-19 total credit hours

Additional Information

A 'C' (2.00) or better average is required in all courses counted toward the minor.

Coastal and Environmental Writing Minor

The interdisciplinary minor in Coastal and Environmental Writing provides students the opportunity to develop skills in environmental writing that is informed by the study of relevant science and literature. The curriculum is designed to reflect the interdisciplinary nature of this writing specialty through coursework from several departments, allowing students to master the fundamentals by using traditional classroom courses and applied learning. 21 credit hours: 15 hours in core courses, including 3 hours of internship, and 6 hours in electives from two broad areas of study. At least 3 of the 6 elective hours must be taken in courses at the 300-400 level.

Admission Requirements

Current UNCW Undergraduate Students

- See University Admission Requirements

Requirements for the Minor in Coastal and Environmental Writing

21 hours - 15 hours in core courses, 6 hours in electives

Core Courses (15 Credit Hours)

The Minor in Coastal and Environmental Writing offers students the opportunity to develop writing skills that explore, explain, and advocate for the environment.

CRW 300 - Research for Creative Writers

Instruction for writers of creative nonfiction, fiction, and poetry in searching electronic, print, and physical archives; historical artifacts; the geographical and built environment; and living sources, with special emphasis on interviewing techniques and ethics, and on integrating research into artistic writing.

Prerequisite Courses: CRW 209
Additional Restrictions/Requirements: A grade of C- or higher is required for the course to count toward the Major in Creative Writing or the Minor in Coastal and

Environmental Writing. A grade point average of C (2.00) or higher is required for all courses counted toward the major or minor.
Course Repeatability: Course may not be repeated.
Major Restriction Pre-Creative Writing, Creative Writing**Minor Restriction** Coastal and Environmental Writing

ENG 202 - Introduction to Journalism

Introduction to news values, style, and writing. Focus is on writing news leads and news stories under deadline pressure. Also included: note taking, interviewing, and an introduction to feature writing.

Credit Hours: 3

Prerequisite Courses: ENG 103 or ENG 200 or ENG 201
Additional Restrictions/Requirements: Prerequisite courses or consent of instructor.
University Studies: Building Competencies/Writing Intensive, Building Competencies/Information Literacy, Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.

Choose either EVS 195 or EVS 205. The other course may be taken as a Natural Sciences elective.

EVS 195 - Introduction to Environmental Sciences

Interdisciplinary introduction to the scope and application of environmental sciences. Emphasis on integrated analysis of environmental principles and discussions centering on current environmental problems. The lab for this course is EVSL 195.

Credit Hours: 3

Additional Restrictions/Requirements: EVS 195 and EVSL 195 may be taken in different semesters.
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

EVS 205 - Global Environmental Issues

Interdisciplinary study of contemporary environmental issues at a global scale, such as climate change, human population, biodiversity loss, food and water scarcity, energy, stratospheric ozone depletion, acid rain, and environmental justice. Causes, effects, policy implications, international negotiations, and development of treaties will be examined.

Credit Hours: 3

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

OCN 250 - Coasts and Society

Variability of coastal landforms, the processes that shape them, problems brought about by natural and anthropogenic changes, and the role of culturally-based perceptions on valuation and management of coastal systems. Focus on coastal environments of populated continents and island nations including barrier islands, rocky coasts, dunes, estuaries, marshes and deltas.

Credit Hours: 3

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World, Approaches and Perspectives/Living in a Global Society, Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

CRW 498 - CRW 498 - Internship in Writing - Bass

Academic training and practical writing experience through work in a private company or public agency. Faculty supervision and evaluation of all study and on-site activity. Open to students of junior or senior standing in all majors who have been approved by the faculty internship advisor.

Credit Hours: 1

Prerequisite Courses: CRW 209
Additional Restrictions/Requirements: Prerequisite course and nine additional hours of CRW writing courses, of which at least three are at the 300-400

level. Open to students of junior or senior standing in all majors who have been approved by the faculty internship advisor.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6 **Repeat Limit:** 2

Elective Courses (6 Hours)

Arts and Humanities/Social Sciences

Choose one.

ANT 329 - Environmental Justice Ethnography

Ethnographic survey of the emergence of social movements organized around environmental issues. Through the writings of cultural anthropologists, students learn how communities around the world threatened by environmental destruction seek justice, accountability, and sustainability. Environmental crises are analyzed in terms of globalization, structures of poverty, and human rights.

Credit Hours: 3

University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

COM 268 - Principles of Multimedia Journalism

Concepts, principles and basic skills in writing and producing news content for multiple media platforms; including radio, television, and internet-based outlets. Emphasis on news gathering, story construction and effective storytelling, proper formatting and scriptwriting techniques, and responding effectively to news problems and potentials.

Credit Hours: 3

Prerequisite Courses: ENG 103 or ENG 201 or permission of instructor.
Additional Restrictions/Requirements: Restricted to PCOM and COM majors, or journalism minors.
Course Repeatability: Course may not be repeated.

COM 280 - Introduction to Digital Media Production

Introduction to the process, technologies, and aesthetics of digital video and audio production. Topics include field and studio TV production, editing, lighting, sound acquisition, project planning and writing, emerging technologies, and career preparation.

Credit Hours: 3

Prerequisite Courses: Prerequisite or Corequisite: COM 105, or consent of instructor.
Additional Restrictions/Requirements: Sophomore standing or higher.
Course Repeatability: Course may not be repeated.

COM 295 - Introductory Seminar in Communication Studies

Special topics in communication that are not explored in other courses. Additional restrictions based on topic.

Credit Hours: 1 To 3

Additional Restrictions/Requirements: PCOM and COM Majors or permission of instructor.
Course Repeatability: Course may be repeated.

Maximum Repeatable Hours: 9 **Repeat Limit:** 2
Major Restriction PCOM and COM Majors

COM 361 - Media Law and Ethics

Survey of laws and ethical principles that inform and regulate mediated communication including: freedom of speech and expression, defamation, invasion of privacy, intellectual property, the rights and responsibilities of journalists/reporters, and the regulation of journalism, advertising, public relations and multimedia industries.

Credit Hours: 3

Prerequisite Courses: COM 265 or COM 268, or permission of instructor.
Additional Restrictions/Requirements: COM Major or consent of instructor.
University Studies: Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.
Major Restriction COM Majors**Minor Restriction** Journalism Minors

COM 368 - Applications in Multimedia Journalism

Emphasis on long-form/feature reporting. Technical training in the operation of news gathering equipment; refinement of news gathering techniques; presentation and delivery skills; and producing news content for multiple broadcast and digital platforms.

Credit Hours: 3

Prerequisite Courses: COM 268 or COM 280.
Additional Restrictions/Requirements: Or Permission of instructor
Course Repeatability: Course may not be repeated.
Major Restriction COM Studies Majors, or journalism minors.

COM 380 - Field Video Production I

Hands-on field video production including project planning, script writing, filming, recording, and editing. Emphasis on mastery of digital camera operation, audio acquisition, lighting, and digital editing. Students complete a variety of short productions working individually and in small teams.

Credit Hours: 3

Prerequisite Courses: (COM 280 or FST 201) and COM 105 with a minimum grade of B
Additional Restrictions/Requirements: Prerequisite courses and consent of instructor. Restricted to PCOM and COM majors.
Course Repeatability: Course may not be repeated.
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

COM 383 - Audio Storytelling & Podcasting

Creation of audio-based projects in a variety of genres including IMC, news, sports, entertainment, and social media content. Topics include: voice development, project planning, scriptwriting, recording, editing, and promotion. Emphasis on proper audio acquisition, digital editing skills, and quality programming. Students complete a variety of productions working individually and in small groups.

Credit Hours: 3

Prerequisite or Corequisite Courses: COM 200 or permission of instructor.
Additional Restrictions/Requirements: PCOM or COM major or permission of instructor.
Course Repeatability: Course may not be repeated.
Major Restriction PCOM or COM Majors

CRW 209 - Creative Nonfiction I: Discovery and Story Craft

Instruction in writing creative nonfiction, including critical evaluation by instructor and class of students' original works. Students also critique and relate to their own work, the work of relevant professional authors.

Credit Hours: 3

Prerequisite Courses: Prerequisite: CRW 201; prerequisite or corequisite: CRW 203.
Course Repeatability: Course may not be repeated.

CRW 309 - Creative Nonfiction Writing II: Voice and Vision

Techniques of writing creative nonfiction and development of the creative process, including writing

exercises, editing, and workshop discussion.

Credit Hours: 3

Prerequisite Courses: CRW 209
Course Repeatability: Course may not be repeated.

CRW 420 - Advanced Manuscript Workshop: (Topic)

Advanced manuscript writing workshop in a single genre or mixed genres of creative writing.

Credit Hours: 3

Corequisite Courses: CRW 302, CRW 303, CRW 304, or CRW 306.
Prerequisite Courses: CRW 307 or CRW 308 or CRW 309.
Additional Restrictions/Requirements: CRW majors only.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

ENG 204 - Introduction to Professional Writing

An introductory survey of concepts in professional writing, including audience analysis, research methods, visual thinking, and composing processes. Includes a service-learning component.

Credit Hours: 3

University Studies: Building Competencies/Writing Intensive, Building Competencies/Information Literacy, Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.

ENG 302 - Journalism Workshop

Continuation of ENG 202. Focus is on gathering news from various community and campus sources and writing in news style under deadline pressure. Also included: some attention to feature and editorial writing.

Credit Hours: 3

Prerequisite Courses: ENG 202
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
University Studies: Explorations Beyond the

Classroom
Course Repeatability: Course may not be repeated.

ENG 303 - Reading and Writing Arguments

Instruction in rhetorical principles and their use in both analyzing and constructing persuasive texts.

Credit Hours: 3

University Studies: Building Competencies/Writing Intensive, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

ENG 308 - Grant and Proposal Writing

Study of grant and proposal writing for use in non-profit organizations, educational settings, and businesses. Emphasis on research methods, planning, developing funding relationships, and writing collaboratively. Includes a service-learning component.

Credit Hours: 3

University Studies: Building Competencies/Writing

Intensive, Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.

ENG 310 - Editing for Journalism and Mass Media

Instruction in revising, editing and copy editing. Techniques and strategies for getting prose ready for publication. Extensive practice in editing.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 204, or consent of instructor.
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
University Studies: Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

ENG 311 - Professional Magazine Writing

Writing of nonfiction prose intended for publication in newspapers, magazines, and journals.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 202, or consent of instructor.
Course Repeatability: Course may not be repeated.

ENG 318 - Writing and Activism

Study of visual and textual elements of documents generated in the service of activist causes. Themes may include propaganda, grassroots and electronic activism, and the negotiation of power.

Credit Hours: 3

University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

ENG 363 - Studies in Nonfiction

Types of nonfiction prose, including biography, autobiography, memoirs, journals, and various essay forms. Works from a variety of periods, writers, and traditions. May be repeated under a different subtitle.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6

ENG 376 - Environmental Literature

Study of a broad range of literature from multiple periods and genres, examining how humans define and engage the environment in terms of aesthetics and imagination, politics and policy, culture and identity, religion and science, and conservation and sustainability.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
University Studies: Building Competencies: Writing Intensive
Course Repeatability: Course may not be repeated.

ENG 384 - Studies in Popular Culture

Critical study of popular culture as an aesthetic and economic phenomenon that plays an integral role in everyday life. Includes a variety of primary texts in multiple media forms (which may include fiction, film, music, and television) as well as readings in cultural and critical theory.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
Course Repeatability: Course may not be repeated

ENG 392 - Protest Literature

An in-depth exploration of protest literature as a form of cultural resistance and agent of sociopolitical change. Works may be selected from a variety of writers, periods, nations, and traditions.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG

205 is strongly recommended.
University Studies: Building Competencies: Writing Intensive
Course Repeatability: Course may not be repeated.

ENG 393 - Writing in the Scientific Disciplines

Rigorous introduction to writing for academic science contexts. Critically examines the current state of academic science writing and explores the multiple practical strategies scientists use to communicate in professional settings.

Credit Hours: 3

University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

FST 398 - Practicum in Film Production

Selected topics in film production. May be repeated under different subtitles.

Credit Hours: 1 To 3

Prerequisite Courses: FST 201
Additional Restrictions/Requirements: Restricted to FST major or consent of instructor.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

FST 416 - Advanced Practicum in Film Production

Selected topics in advanced film production. May be repeated under different subtitles.

Credit Hours: 3

Prerequisite Courses: FST 301 or FST 302
Crosslisting: FST 516
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

HST 332 - American Environmental History

The significance of the environment in American history from the colonial period to the present. Emphasis on the relationship between the natural environment of

North America and the development of American culture and society, as well as changing attitudes toward the natural environment.

Credit Hours: 3

Additional Restrictions/Requirements: Any HST course or consent of instructor.
Course Repeatability: Course may not be repeated.

HST 456 - Seminar: U.S. Environmental History

Selected topics in U.S. environmental history. Examples of topics: nature and culture, the cult of the wilderness, conservation and preservation, resources and regions, gender and nature, the environmental movement. May be repeated under a different subtitle.

Credit Hours: 3

Prerequisite Courses: (HST 105 or HST 106) and HST 290
Additional Restrictions/Requirements: Prerequisite courses or consent of instructor.
University Studies: Building Competencies/Writing

Intensive, Common Requirements/Critical Reasoning
Crosslisting: HST 533
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6

PLS 329 - Ocean and Coastal Law and Policy

National and international laws and policies concerning the ocean. Topics include: fisheries management, marine mammal protection, shipping and navigation, oil and chemical pollution, coastal and wetlands protection, submerged lands, riparian rights, and public access to coastal lands and waters.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

PLS 370 - Global Environmental Governance

Explores international environmental negotiations and agreements of global environmental problems regarding overfishing, climate change, deforestation, biodiversity loss, trans-boundary pollutants, and water scarcity. Examines the debate surrounding sustainable development, ecological justice, and conflicts around

resource scarcity.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

Natural Sciences

Choose one. EVS 195 or EVS 205 may be taken in this category if not taken as part of the core requirements.

BIO 105 - Concepts of Modern Biology

Introduction to the diversity of life and the principles governing living systems, focusing on the role of humans in the natural world. Designed for the non-biology major. Employs multi-media instructional materials. The lab for this course is BIOL 105.

Credit Hours: 3

Prerequisite or Corequisite Courses: BIOL 105
University Studies: Building Competencies/Information Literacy, Approaches and Perspectives/Scientific Approaches to the Natural

World
Course Repeatability: Course may not be repeated.

BIO 150 - Humans and Ecology

Introduction to the principles of ecology including concepts of succession, biotic communities, biodiversity, limits on population growth and conservation of natural resources.

Credit Hours: 3

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

BIO 180 - Plants and the Environment

Introduction to the plant kingdom through study of plant diversity, structure, and function as they relate to environmental issues such as global carbon balance, deforestation, agricultural runoff, and the effects of the introduction of genetically engineered plants. Impact of plants on human culture, history, civilization, and economics will be discussed.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

BIO 205 - Biology of the Sea

Introduction to the organisms that live in marine environments and the role of humans in the use of marine resources. Explores the biological, physical, chemical, and geological characteristics of various marine habitats.

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

BIO 434 - Coastal Marine Ecology

An in-depth study of the major processes controlling populations and structuring coastal marine communities. Emphasis is on the review and discussion of important historical and recent scientific papers.

Credit Hours: 3

Prerequisite Courses: BIO 366 or BIO 362
Course Repeatability: Course may not be repeated.

BIO 487 - Introduction to Coastal Management

Interdisciplinary study of human impact on coastal environments and organisms. Physical and biotic settings of worldwide coastal regions, principles of coastal management, current topics in coastal management, and analysis of potential solutions to coastal problems.

Credit Hours: 0 Or 4

Additional Restrictions/Requirements: Junior or senior standing or consent of instructors.
Crosslisting: OCN 458, GLY 558
Course Repeatability: Course may not be repeated.

EGN 330 - Coastal Wave Mechanics

Examination of the mechanics of water wave motion using linear and non-linear wave theories. Exploration of wave generation, forecasting and measurement.

Covers wave propagation and transformation from offshore to the nearshore where waves interact with the bottom causing shoaling, breaking and initiating sediment movement.

Credit Hours: 3

Prerequisite Courses: MAT 361
Course Repeatability: Course may not be repeated.

EVS 195 - Introduction to Environmental Sciences

Interdisciplinary introduction to the scope and application of environmental sciences. Emphasis on integrated analysis of environmental principles and discussions centering on current environmental problems. The lab for this course is EVSL 195.

Credit Hours: 3

Additional Restrictions/Requirements: EVS 195 and EVSL 195 may be taken in different semesters.
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural

World, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

EVS 205 - Global Environmental Issues

Interdisciplinary study of contemporary environmental issues at a global scale, such as climate change, human population, biodiversity loss, food and water scarcity, energy, stratospheric ozone depletion, acid rain, and environmental justice. Causes, effects, policy implications, international negotiations, and development of treaties will be examined.

Credit Hours: 3

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

EVS 305 - Environmental Impacts of Climate Change

Team-taught by Department of Environmental Sciences faculty, this course focuses on the current and predicted effects of climate change on Earth's abiotic and biotic environment. This course is intended to enhance students' abilities to address challenges in the 21st century by providing a multidisciplinary approach to problem solving using biological, physical, social, and economic perspectives.

Credit Hours: 3

Prerequisite Courses: EVS 205.
Additional Restrictions/Requirements: Junior/Senior standing or permission of instructor.
Course Repeatability: Course may not be repeated.

EVS 321 - Analyzing and Communicating Environmental Issues

Studies how current environmental issues are discussed, communicated, and presented to a broad range of audiences. Students research current environmental topics and make presentations, which are peer-reviewed and critiqued.

Credit Hours: 3

Prerequisite Courses: EVS 195 or EVS 205.
Course Repeatability: Course may not be repeated.

EVS 426 - Island Ecology for Educators

A field-based exploration of plants and animals of coastal island ecosystems and related environmental issues. Students will develop readily-accessible, web-based materials appropriate for outreach and education. This course focuses on both science content and pedagogical resource development.

Credit Hours: 3

Crosslisting: EDN 426
Course Repeatability: Course may not be repeated.

EVS 472 - Coastal Protected Areas Management

Study of resource management focused on protected areas maintained by government agencies and by private non-profit organization. Emphasis will be on natural area significance, site selection, management plan development, policy formulation, protection

options, use conflicts, and public relations.

Credit Hours: 3

Prerequisite Courses: EVS 195 and EVS 360
Additional Restrictions/Requirements: Prerequisite courses or consent of the Instructor.
Course Repeatability: Course may not be repeated.

GGY 130 - Geosystems

Spatial distribution of environmental elements and processes, including weather and climate, groundwater, soils, rocks, plate tectonics, landforms, and vegetation. Three lecture and two laboratory hours each week.

Credit Hours: 4

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World, Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

GGY 230 - Introduction to Weather and Climate

Examination of general climatic characteristics through space and time, especially as influenced by controls upon temperature, wind and moisture distributions, and by planetary, regional and local atmospheric disturbances.

Credit Hours: 3

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

GGY 340 - Global Change: Population, Resources, and the Environment

Introduction to the four major driving forces of global change: demographic trends, natural resource use, climate change, and globalization. Explores the role of economic and cultural development and analyzes regional patterns that result in the unique manifestations of global change.

Credit Hours: 3

Prerequisite Courses: GGY 130 or GGY 101 or GGY 180, or consent of instructor.
Course Repeatability: Course may not be repeated.

GLY 101 - Earth Revealed

An introduction to Geology covering fundamental topics including plate tectonics, geologic time, and Earth materials with emphasis on how geology affects the natural environment, controls distribution of natural resources, and poses risks to humans. Contemporary issues covered include natural resource use (water, energy), geohazards, coastal processes, and climate change.

Credit Hours: 3

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World, Living in a Global Society
Course Repeatability: Course may not be repeated.

GLY 120 - Environmental Geology

Introduction to the relationships between man and his geologic environment. Concerned with the problems that people have in using the earth and the reaction of the earth to that use. Emphasis is placed on earth processes, earth resources, and properties of rocks and surficial deposits insofar as they are important to or affect human activities. The lab for this course is GLYL 120.

Credit Hours: 3

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

GLY 125 - Natural Disasters

Examination of the causes, effects, and options available to mitigate actual disasters, such as earthquakes, volcanic eruptions, landslides, subsidence, flooding, severe weather, and meteorite impacts. Case histories are used to demonstrate scientific principles and socioeconomic issues.

Credit Hours: 3

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

GLY 420 - Global Climate Change

Analysis of natural and anthropogenic global climate change with an emphasis on future global climate change. Topics include Earth's energy balance, the global carbon cycle, climate modeling, atmospheric composition, and dynamics. Review of geographical variation in climate change.

Credit Hours: 3

Prerequisite Courses: GGY 230
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
University Studies: Building Competencies/Writing Intensive

Crosslisting: GGY 420, PHY 420
Course Repeatability: Course may not be repeated.

OCN 150 - Introduction to Oceanography

An introduction to the geology, physics, chemistry, and biology of the ocean; instruments and techniques of oceanography; resources of the ocean. The lab for this course is OCNL 150.

Credit Hours: 3

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

OCN 365 - Written Communication in Oceanography

Development of written scientific communication skills for topics related to the oceanography discipline.

Credit Hours: 2

University Studies: Building

Competencies/Information Literacy, Building Competencies/Writing Intensive, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.
Major Restriction Geography and Geospatial Science, Geosciences, Geology, Oceanography

OCN 458 - Introduction to Coastal Management

Interdisciplinary study of human impact on coastal environments and organisms. Topics include the physical and biotic settings of worldwide coastal regions, principles of coastal management, current topics in coastal management, and analysis of potential solutions to coastal problems.

Credit Hours: 4

Additional Restrictions/Requirements: Junior or senior standing or consent of instructor.
Course Repeatability: Course may not be repeated.

PHY 350 - Fluid Mechanics

Emphasizes fundamental physical principles; fluid statics, fluid kinematics, integral and differential forms

of the conservation laws for mass, momentum and energy; Bernoulli equation; laminar flows; potential flows; vorticity dynamics; dyanamic similarity; boundary layers; turbulence.

Credit Hours: 3

Prerequisite Courses: PHY 321 or MAT 361
Course Repeatability: Course may not be repeated.

PHY 475 - Physical Oceanography

An introduction to the descriptive and dynamical features of ocean circulation. Topics include: the physical properties of seawater; oceanic heat budget; dynamics of ocean currents; descriptive oceanography; waves and tides.

Credit Hours: 3

Prerequisite Courses: (MAT 152 or MAT 162) and (PHY 102 or PHY 202)
Crosslisting: PHY 575
Course Repeatability: Course may not be repeated.

Total Credit Hours: 21

Additional Information

A grade of "C-" or better is required in each course counted toward the minor, and a grade point average of "C" (2.00) or better is required for all courses counted toward the minor.

Computer Science Minor

Requirements for a Minor in Computer Science:

CSC 131 - Introduction to Computer Science

Problem solving methods and algorithms in a modern high-level programming language. Introduces one or more programming environments. Emphasis on a programming style and the design, coding, and testing of complete programs. Recommended primarily for computer science majors.

Credit Hours: 4

Prerequisite Courses: MAT 112 or MAT 150 or MAT 160.
University Studies: Common Requirements/Critical Reasoning, Foundations/Mathematics and Statistics

Course Repeatability: Course may not be repeated. You must achieve a 'C' (2.00) or better if you intend to use this course as a prerequisite for another course.

CSC 133 - Discrete Mathematical Structures

Introduction to discrete mathematics applicable to computer science. Propositional and predicate logic, basic proof techniques, set algebra and Boolean algebra, recursion and induction, and introductory graphs and combinatorics.

Credit Hours: 3

Prerequisite Courses: MAT 112 or MAT 150 or MAT 160.
University Studies: Foundations/Mathematics and Statistics
Course Repeatability: Course may not be repeated.

CSC 231 - Introduction to Data Structures

Study of basic data structures and their applications. Lists and trees; searching and sorting algorithms; hashing; analysis and design of efficient algorithms. Recommended for CSC majors only. A grade of 'C'

(2.00) or better is required for taking courses for which CSC 231 is a prerequisite.

Credit Hours: 4

Corequisite Courses: CSC 133
Prerequisite Courses: CSC 131 with a minimum grade of C
Course Repeatability: Course may not be repeated.

CSC 331 - Object-Oriented Programming and Design

Object-oriented programming with a focus on software modeling of objects, classes, methods, inheritance, interfaces, polymorphism, and multi-threading. Completion of a team software project is required.

Credit Hours: 3

Prerequisite Courses: CSC 231 with a minimum grade of C.
Additional Restrictions/Requirements: A grade of 'C' (2.00) or better is required for taking courses for which

CSC 331 is a prerequisite.
Course Repeatability: Course may not be repeated.

- 6 additional CSC hours at the 200 level or above, including at least 3 at the 300-400 level

Total: 20 hours

Additional Information:

An overall quality point average of "C" (2.00) or better is required for all courses counted toward the minor.

Creative Writing Minor

The Department of Creative Writing offers a minor, which emphasizes development in the craft of writing. The 21-hour Minor in Creative Writing provides students with a foundation in creative writing classes, including an introductory course and a course in the historical development of the discipline. Minors in creative writing also take first-level workshops in the department's three writing genres: fiction, poetry, and creative nonfiction. The minor helps students develop basic proficiencies in creative writing, while allowing them to focus their interests through appropriate electives in related study. 21 hours: 15 core, 6 related study electives. The minor requires at least 6 credit

hours of course work at the 300–400 level.

Admission Requirements

Current UNCW Undergraduate Students

- See University Admission Requirements

Requirements for a Minor in Creative Writing

21 hours: 15 in core courses, 6 in Related Study electives.

Core Courses (15 Credit Hours)

CRW 201 is the appropriate first course to take in the creative writing minor. After completion of that course, students should take CRW 203, which may be taken before or at the same time as CRW 207, CRW 208, and CRW 209. (CRW 203 is a pre- or co-requisite.)

CRW 201 - Introduction to Creative Writing

Introduction to the principles and techniques of creative writing, aimed at developing the creative process. Includes lectures, reading, and writing exercises in poetry, fiction, and creative nonfiction.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives
Course Repeatability: Course may not be repeated.

CRW 203 - The Evolution of Creative Writing: Fiction, Poetry, and Creative Nonfiction

Introduction to the historical development of poetic, narrative, and other forms of creative writing. Analytical and creative assignments develop student understanding of techniques such as metrics, point of view, and narrative structure. This course is a core requirement for the CRW major and CRW minor.

Credit Hours: 3

University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

CRW 207 - Fiction Writing I: Invention and Story Craft

Instruction in writing fiction, including critical evaluation by instructor and class of students' original works. Students also critique and relate to their own work the fiction of relevant professional authors.

Credit Hours: 3

Prerequisite Courses: Prerequisite:CRW 201, or prerequisite/corequisite: CRW 203.
Course Repeatability: Course may not be repeated.

CRW 208 - Poetry Writing I: Image and Pattern

Instruction in writing poetry, including critical evaluation by instructor and class of students' original works. Students also critique and relate to their own work the poetry of relevant professional poets.

Credit Hours: 3

Prerequisite Courses: Prerequisite: CRW 201; prerequisite or corequisite: CRW 203.
Course Repeatability: Course may not be repeated.

CRW 209 - Creative Nonfiction I: Discovery and Story Craft

Instruction in writing creative nonfiction, including critical evaluation by instructor and class of students' original works. Students also critique and relate to their own work, the work of relevant professional authors.

Credit Hours: 3

Prerequisite Courses: Prerequisite: CRW 201; prerequisite or corequisite: CRW 203.
Course Repeatability: Course may not be repeated.

Elective Courses (6 Credit Hours)

6 hours chosen from:

CRW 302 - Creative Nonfiction: Reading for Craft

Study of the aesthetics and techniques of creative nonfiction and of the history of nonfictional forms such as the memoir and the literary essay, as developed by classic and contemporary writers.

Credit Hours: 3

Prerequisite Courses: CRW 209

Additional Restrictions/Requirements: Restricted to CRW majors, pre-CRW majors, CRW minors.
Course Repeatability: Course may not be repeated.

CRW 303 - Poetry: Reading for Craft

Study of the aesthetics of poetry, poetic technique, and the history of poetic forms such as the ballad, the sonnet, the ode, and free verse, as developed by classic and contemporary writers.

Credit Hours: 3

Prerequisite Courses: CRW 208
Additional Restrictions/Requirements: Restricted to CRW majors, pre-CRW majors, CRW minors.
Course Repeatability: Course may not be repeated.

CRW 304 - Forms of Dramatic Writing

Study of the aesthetics of dramatic writing, dramatic technique, and the history of dramatic forms such as tragedy, comedy, the screenplay, and the musical, as developed by classic and contemporary writers.

Credit Hours: 3

Prerequisite Courses: CRW 207 or CRW 208 or CRW 209
Additional Restrictions/Requirements: Restricted to CRW majors, pre-CRW majors, CRW minors.
Course Repeatability: Course may not be repeated.

CRW 305 - The Creative Process

Investigation through reading, lectures, discussions, writing, and exercises of the creative process in general and its particular application to literary art. Readings include studies of the creative process in a variety of other disciplines.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: CRW 207 or CRW 208 or CRW 209, or consent of instructor.
Course Repeatability: Course may not be repeated.

CRW 308 - Poetry Writing II: Voice and Vision

Techniques of writing poetry and development of the creative process, including writing exercises, editing,

and workshop discussion.

Credit Hours: 3

Prerequisite Courses: CRW 208
Course Repeatability: Course may not be repeated.

CRW 309 - Creative Nonfiction Writing II: Voice and Vision

Techniques of writing creative nonfiction and development of the creative process, including writing exercises, editing, and workshop discussion.

Credit Hours: 3

Prerequisite Courses: CRW 209
Course Repeatability: Course may not be repeated.

CRW 314 - Theory and Practice of Literary Translation

Introduction to the theory and practice of literary translation. Includes translation exercises, workshop discussion, reading on the history and theory of translation.

Credit Hours: 3

Prerequisite Courses: CRW 307 or CRW 308 or CRW 309
University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

CRW 315 - Special Topics in Creative Writing

An intensive study of a particular subject in creative writing. The course varies from semester to semester and to include such topics as the short story; contemporary poets and movements or writing and the visual arts.

Credit Hours: 3

Prerequisite Courses: CRW 207 or CRW 208 or CRW 209
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 9 **Repeat Limit:** 2

CRW 316 - Playwriting I

Intensive and imaginative exploration of playwriting through various exercises designed to foster and challenge personal creativity, ensure aesthetic understanding and application, while advancing fundamentals of craft. Concludes with the creation of a ten-minute play, or short form play.

Credit Hours: 3

Crosslisting: THR 316
Course Repeatability: Course may not be repeated.

CRW 318 - Screenwriting I: Introduction to Screenwriting

Theory and practice of screenwriting an emphasis on the fundamentals of narrative structure. Students write original scripts, including a short screenplay for possible use in FST 495.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: FST 201; or prerequisite:CRW 207 or CRW 208 or CRW 209; or consent of instructor.

Additional Restrictions/Requirements: Restricted to PCRW or CRW majors.
Crosslisting: FST 318
Course Repeatability: Course may not be repeated.

CRW 320 - Special Workshop in Writing

Workshop in one or more genres of creative writing.

Credit Hours: 1 To 3

Prerequisite Courses: CRW 207 or CRW 208 or CRW 209
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 9

CRW 321 - Introduction to Book Publishing

Introduction to the culture and commerce of books. Examines the life cycle of a book; the people and processes involved in book publishing including editorial practice and the issues involved in editorial decision-making; and the business, economics, and ethics of the publishing industry. Engagement in a variety of publishing activities, such as a book proposal and mock book auction.

Credit Hours: 3

Prerequisite Courses: CRW 201
University Studies: Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

CRW 322 - Editing for Publication

Intensive course in applied self-editing. Course content focuses on grammar, spelling, writing mechanics, usage, precision, and best practices to prepare manuscripts for critique and consideration for publication. This core is a requirement for both the CRW major and the Certificate in Publishing.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: CRW 207 or CRW 208 or CRW 209.
Additional Restrictions/Requirements: Restricted to CRW and Pre-CRW majors and CRW minors.
University Studies: Building Competencies/Writing

Intensive
Course Repeatability: Course may not be repeated.

CRW 323 - Bookbuilding

Introduction to principles of effective graphic design and typography for book publishing, using desktop publishing applications in a computer lab setting and including hands-on production of several publications. Includes survey history and future trends in printing and publishing.

Credit Hours: 3

Prerequisite Courses: CRW 207 or CRW 208 or CRW 209
Additional Restrictions/Requirements: Prerequisite courses or consent of instructor.
Course Repeatability: Course may not be repeated.

CRW 324 - Special Topics in Publishing

Intensive examination of a special area of publishing, such as electronic publishing, editing poetry, or history of the book.

Credit Hours: 3

Prerequisite Courses: CRW 207 or CRW 208 or CRW 209
Additional Restrictions/Requirements: Prerequisite courses or consent of instructor.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 9

CRW 325 - Literary Magazine Practicum

Applied course in the publication of a literary journal. The practical business of running a literary magazine, including editorial, marketing, and sales decisions. Assignments include reading submissions, proofreading and fact-checking, assisting in the creation and production of promotional materials, commenting on design decisions, selecting artwork/illustrations, and meeting production deadlines.

Credit Hours: 3

Prerequisite Courses: CRW 201
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6

CRW 418 - Screenwriting II: Writing the Feature Film

The craft of screenwriting applied to the feature form.

Credit Hours: 3

Prerequisite Courses: FST 318
Additional Restrictions/Requirements: Prerequisite course, restricted to CRW or FST majors, or consent of instructor.
Crosslisting: FST 418, FST 518
Course Repeatability: Course may not be repeated.

CRW 419 - Screenwriting III: Film Adaptation

Writing, revision, and completion of screen adaptation of literary work.

Credit Hours: 3

Prerequisite Courses: FST 318
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Crosslisting: FST 419, FST 519
Course Repeatability: Course may not be repeated.

CRW 425 - Advanced Topics in Publishing

Intensive examination of an advanced area of publishing, such as an area of specialization within book editing, book arts or design, the history of independent book or magazine publishng, or for a course taught by a guest instructor.

Credit Hours: 3

Prerequisite Courses: CRW 321 and CRW 323
Crosslisting: CRW 525
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

CRW 498 - CRW 498 - Internship in Writing - Bass

Academic training and practical writing experience through work in a private company or public agency. Faculty supervision and evaluation of all study and on-site activity. Open to students of junior or senior standing in all majors who have been approved by the faculty internship advisor.

Credit Hours: 1

Prerequisite Courses: CRW 209
Additional Restrictions/Requirements: Prerequisite course and nine additional hours of CRW writing courses, of which at least three are at the 300-400 level. Open to students of junior or senior standing in all majors who have been approved by the faculty internship advisor.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6 **Repeat Limit:** 2

Total Credit Hours: 21

Additional Information

A grade of "C-" or better is required in each course counted toward the minor, and a grade point average of "C" (2.00) or better for all courses counted toward the minor.

Criminology Minor

Admission Requirements

Current UNCW Undergraduate Students

- See University Admission Requirements

Requirements for a Minor in Criminology

including CRM 105 and 18 additional hours of criminology courses. A maximum of 6 hours below the 300 level (including CRM 105) may be used to satisfy the above requirements.

Core Courses (18 Credit Hours)

including CRM 105 and 18 additional hours of criminology courses. A maximum of 6 hours below the 300 level (including CRM 105) may be used to satisfy the above requirement.

Elective Courses (3 Credit Hours)

Students may also fulfill criminology elective hours with any of the following courses:

SOC 256 - Criminology: Writing Intensive

May not be taken for credit if student has already completed SOC 255 or CRM 255. The scientific study of the nature, extent, correlates, and etiology of crime, with an emphasis on sociological theories of crime. Topics include crimes against persons and property,

public order crimes, and both informal and formal reactions to crime. This course will require students to submit formal written work as well as informal writing assignments.

Credit Hours: 3

Prerequisite Courses: CRM 105 or SOC 105
University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors, Building Competencies/Writing Intensive
Crosslisting: CRM 256
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 335 - The Sociology of Deviant Behavior

Analysis of certain behavior in terms of deviations from norms. Application of sociological and psychological concepts and theory to deviant behavior, and critical evaluation of non-sociological research and theories.

Credit Hours: 3

Prerequisite Courses: SOC 105

Crosslisting: CRM 335
Course Repeatability: Course may not be repeated.

SOC 376 - Juvenile Delinquency

The analysis and description of the problem of juvenile delinquency as it exists in a changing contemporary society.

Credit Hours: 3

Prerequisite Courses: SOC 105
Crosslisting: CRM 376
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 449 - Sociology of Law

Analysis of the role of law in society. Special emphasis given to the relationship between law and social organization and the relation of sociocultural changes to substantive and procedural aspects of law. Law viewed as a collectivistic-individualistic process and as a reflection of sociocultural values.

Credit Hours: 3

Prerequisite Courses: SOC 105.
Additional Restrictions/Requirements: Junior or senior standing.
Crosslisting: CRM 449
Course Repeatability: Course may not be repeated.

Total Credit Hours: 21

Additional Information

A grade of "C" or better is required in CRM 105, and no more than one course with a grade of "D" may count toward the requirements for the major (or minor) in criminology. An overall grade point average of 2.0 or better is required among courses used to satisfy the major (and minor).

Cybersecurity Minor

Program Coordinator: Ulku Clark

The minor in Cybersecurity is open to all UNCW students, except B.S. Cybersecurity majors and B.S. Business Administration majors. No more than 6 hours can be counted towards the minor and a student's

major. To earn a minor in Cybersecurity, the completion of 18 hours is required, including 6 hours of core courses and 12 hours of electives, with a minimum 6 hours at the 300 level or higher. Students must earn a "C" or above average in all classes in the minor, and grade of at least "C-" in each course.

Requirements for the Cyber Security Minor:

Program Coordinator: Ulku Clark

The minor in Cybersecurity is open to all UNCW students, except Cybersecurity majors. No more than 6 hours can be counted towards the minor and a student's major. To earn a minor in Cybersecurity, the completion of 18 hours is required, including 6 hours of core courses and 12 hours of electives, with a minimum 6 hours at the 300 level or higher. Students must earn a "C" or above average in all classes in the minor, and grade of at least "C-" in each course.

Core Courses:

CYBR 201 - Fundamentals of Cybersecurity

Introduction to fundamental cybersecurity concepts. Exploration of the basic security design principles

needed to create systems worthy of trust. Introduction to IT system components and their roles in system operation. Consideration of the processes and regulations associated with operational analysis and evaluation, including approval authorities and processes.

Credit Hours: 3

University Studies: Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

CYBR 202 - Cyber Policy, Legal, Ethics, Compliance

Exploration of the intersection between cybersecurity and policy, law, ethics, privacy, compliance, and law enforcement. Examination of applicable laws and policies related to cyber defense. Topics include privacy and the internet, the effectiveness of cybersecurity applications in preventing crime and abuse, and the application of ethical concepts in cybersecurity.

Credit Hours: 3

Prerequisite or Corequisite Courses: CYBR 201.
University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.

Electives:

Select four electives. Talk to Cybersecurity Minor Coordinator Dr. Ulku Clark if you need help selecting electives. All CYBR courses could be used in this category.

CIT 225 - Linux Administration

Install, configure, securely administer Linux operating system platforms. Topics include Linux operating systems concepts, system installation and configuration, introduction to networking (protocols, IP addressing, ports, subnetting), security, firewalls, packet filtering, networked file systems, lightweight directory access protocol, virtualization, Linux-Windows integration, and Linux shell programming.

Credit Hours: 3

Prerequisite Courses: CSC 121 or CSC 131 with a grade of "C-" or better in either course, or instructor approval.
Course Repeatability: Course may not be repeated.

CIT 301 - Cloud Computing & Virtualization

Survey, configuration, and deployment of cloud computing technologies and services, including but not limited to: virtualization environments, SaaS, PaaS, DaaS, IaaS, mass storage, virtualization compute resources, SQL and non-SQL databases, cloud development tools, deployment models, load balancing, automatic provisioning, Internet of Things, VPNs, firewalls, security, two-factor authentication, legal/privacy issues.

Credit Hours: 3

Corequisite Courses: Co-requisite: CSC 344 or MIS 320.

Prerequisite Courses: Prerequisite: CIT 225.
Course Repeatability: Course may not be repeated.

CRM 110 - Crime and Justice Issues

Critical issues and contemporary debates in crime and justice.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.

CRM 255 - Criminology

May not be taken for credit if student has already completed SOC 256 or CRM 256. The scientific study of the nature, extent, correlates and etiology of crime, with an emphasis on sociological theories of crime. Topics include crimes against persons and property, public order crimes, and both informal and formal reactions to crime.

Credit Hours: 3

Prerequisite Courses: CRM 105or SOC 105
University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Crosslisting: SOC 255
Course Repeatability: Course may not be repeated.

SOC 255 - Criminology

May not be taken for credit if student has already completed SOC 256 or CRM 256. The scientific study of the nature, extent, correlates and etiology of crime, with an emphasis on sociological theories of crime. Topics include crimes against persons and property, public order crimes, and both informal and formal reactions to crime.

Credit Hours: 3

Prerequisite Courses: SOC 105 or CRM 105
University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Crosslisting: CRM 255

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

CRM 310 - White Collar Crime

Study of crimes of the powerful and the privileged. Topics include: corporate crime; environmental crime; antitrust violations; political bribery; corruption; tax evasion; fraud; embezzlement; conflict of interest.

Credit Hours: 3

Prerequisite Courses: CRM 105
Course Repeatability: Course may not be repeated.

CRM 390 - Media, Crime, and Justice

Examination of the relationship between mass media, crime, and criminal justice with special emphasis on how media images affect crime and justice attitudes, ideology, and policy. Includes examination of entertainment and news media in both electronic and print forms.

Credit Hours: 3

Prerequisite Courses: CRM 105
Course Repeatability: Course may not be repeated.

CSC 131 - Introduction to Computer Science

Problem solving methods and algorithms in a modern high-level programming language. Introduces one or more programming environments. Emphasis on a programming style and the design, coding, and testing of complete programs. Recommended primarily for computer science majors.

Credit Hours: 4

Prerequisite Courses: MAT 112 or MAT 150 or MAT 160.
University Studies: Common Requirements/Critical Reasoning, Foundations/Mathematics and Statistics
Course Repeatability: Course may not be repeated. You must achieve a 'C' (2.00) or better if you intend to use this course as a prerequisite for another course.

GGY 215 - The Digital Globe

Introduction to the maps, data, and methods commonly used by geographers to investigate spatial relationships

from local to global scales. Includes the examination of geography as a discipline whereby human and physical environments are spatially explored.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in a Global Society, Building Competencies/Information Literacy, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

GGY 321 - Introduction to Geographic Information Systems

Introduces fundamental concepts and principles of Geographic Information Systems (GIS). Tools, functions, and capabilities of GIS desktop software (e.g. ArcGIS or QGIS) are explained and used to visualize and manipulate geospatial data.

Credit Hours: 3

Prerequisite Courses: GGY 130 or GGY 215 or GLY 101 or GLY 120 or OCN 150 or EVS 195 or EGN 102.

Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

GGY 322 - Introduction to Remote Sensing

Theory and application of remote sensing techniques and software applications for environmental sciences, geography, earth sciences, hydrology, archaeology, forestry, and public health. Includes satellite data collection, digital image processing, multispectral image analysis, introduction to thermal infrared and microwave data through laboratory exercises. Students work in small groups to apply remote sensing concepts to solve complex problems. Two lecture and two laboratory hours each week.

Credit Hours: 3

Prerequisite Courses: GGY 130 or GGY 215 or GLY 101 or GLY 120 or OCN 150 or EVS 195 or consent of instructor.
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

GGY 421 - Spatial Programming

Introduction to GIS programming. The course will focus on how to customize applications and streamline spatial analysis, and is designed to improve students' skills in conducting sophisticated spatial analysis and adapting to new technologies and programming languages. Two lecture and two laboratory hours each week.

Credit Hours: 3

Prerequisite Courses: GGY 321 or consent of instructor
Course Repeatability: Course may not be repeated.

GGY 424 - Advanced Geographic Information Systems

Advanced theory and application of the use of Geographic Information Systems (GIS), spatial data collection, data structures, data management, and relational databases, spatial analysis, and display of geographic information in a computer-based environment. Lectures, demonstrations, and lab exercises. Two lecture and two laboratory hours each

week.

Credit Hours: 3

Prerequisite Courses: GGY 321 or consent of instructor
University Studies: Explorations Beyond the Classroom
Crosslisting: GGY 524
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

MIS 320 - Network Fundamentals

Introduction to the OSI model, network topologies, IP addressing and subnet masks, simple routing techniques, and basic switching terminology. Topics include the basic functions of the seven layers of the OSI model, different classes of IP addressing and subnetting, router login scripts.

Credit Hours: 3

Prerequisite or Corequisite Courses: CIT 110 or CYBR 201 or MIS 213

Additional Restrictions/Requirements: Admission to Cameron School of Business or declared BS Cybersecurity major or declared BS Information Technology major or declared Cybersecurity minor
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3
Major Restriction BS Business Administration or BS Cybersecurity or BS Information Technology**Minor Restriction** Cybersecurity Minor

MIS 352 - Windows Systems Administration

Provides students with skill to perform basic operations involved in system administration of Microsoft Windows based systems. Provides students with the ability to apply methods such as managing applications, services, and network ports to improve the robustness of operating systems.

Credit Hours: 3

Prerequisite Courses: MIS 320 or MIS 323 or CSC 344 with a minimum grade of C-
Additional Restrictions/Requirements: Admission to Cameron School of Business or declared BS

Information Technology major or declared BS Cybersecurity major or declared BS Intelligent Systems Engineering major or declared Cybersecurity minor.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3
Major Restriction BS Business Administration or BS Information Technology or BS Cybersecurity or BS Intelligent Systems Engineering**Minor Restriction** Cybersecurity Minor

MIS 363 - Advanced Telecommunications

The architecture, components, operations, and security of routers and switches in small networks, introduction to wireless local area networks (WLAN) and to scale for large, complex networks, including wide area network (WAN) technologies are described. The course emphasizes network security concepts and introduces network virtualization and automation. Students learn how to configure, troubleshoot, and secure enterprise network devices and understand how application programming interfaces (API) and configuration management tools enable network automation.

Credit Hours: 3

Prerequisite Courses: MIS 320
Additional Restrictions/Requirements: Admission to Cameron School of Business or declared BS Information Technology major or declared BS Cybersecurity major or declared Cybersecurity minor.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3
Major Restriction BS Business Administration or BS Information Technology or BS Cybersecurity**Minor Restriction** Cybersecurity Minor

MIS 367 - Emerging Network Technologies

This course investigates cloud computing models, techniques, and architectures. Cloud computing has evolved as a very important computing model, which enables information, software, and other shared resources to be provisioned over the network as services in an on-demand manner. Students will be exposed to the current practices in cloud computing. Topics may include distributed computing models and technologies, Infrastructure-as-a-Service (IaaS), Platform-as-a-Service (PaaS), Software-as-a-Service (SaaS), virtualization, security and privacy issues,

performance and system issues, capacity planning, disaster recovery, Cloud OS, federated clouds, challenges in implementing clouds, data centers, hypervisor CPU and memory equipment, cloud-hosted applications, and other advanced and research topics in cloud computing. Course work will include homework assisgnments, presentations, and a term project that will provide exposure to scientific research in cloud computing.

Credit Hours: 3

Prerequisite Courses: MIS 320
Additional Restrictions/Requirements: Admission to Cameron School of Business or declared BS Information Technology major or declared Cybersecurity minor.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3
Major Restriction BS Business Administration or BS Information Technology**Minor Restriction** Cybersecurity Minor

PSY 275 - Forensic Psychology

Investigation of psychological factors relevant to the legal system including: eyewitness identification and false memories, confessions, jury decision making, the insanity defense and mental health law, expert psychological testimony in court, criminal profiling, risk management, treatment of the mentally ill in corrections.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

PSY 336 - Industrial-Organizational Psychology

Psychological techniques in job analysis, personnel selection and placement, training, performance appraisal, employee motivation, employee health and satisfaction, organizational productivity and communication, group decision making, and leadership.

Credit Hours: 3

Prerequisite Courses: PSY 246 or PSY 264

Additional Restrictions/Requirements: Prerequisite courses or consent of instructor.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

> All CYBR courses other than the ones used to complete the minor core requirements. At least 6 credits must be at 300 level or higher. The following courses are approved by the program coordinator on a case by case basis (Cybersecurity focus):

CYBR 491 - Directed Individual Study

Investigation under faculty supervision beyond what is offered in existing courses. Written experience report and oral presentation required. For further information, consult the Enrichment Courses and Programs section in this catalogue.

Credit Hours: 1 to 3

Additional Restrictions/Requirements: Junior or senior standing, overall GPA of at least 2.50, GPA in CYBR courses of at least 2.80, and consent of instructor, program coordinator, and dean.

University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6 **Repeat Limit:** 1

CYBR 495 - Seminar in Cybersecurity

Individual reports and group discussions of field, laboratory and/or library research on selected topics in cybersecurity. May only be taken once for credit in the major.

Credit Hours: 3

University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 9 **Repeat Limit:** 3
Major Restriction For cybersecurity majors only.

CYBR 498 - Internship in Cybersecurity

Academic training and practical experience through work in a private company or public agency. Faculty supervision and evaluation of all study and on-site activity. Written experience report and oral presentation

required.

Credit Hours: 3

Additional Restrictions/Requirements: Open to students of junior or senior standing who have been approved by the faculty supervisor, department chair, and dean.
Admission to the Cameron School of Business or declared BS Cybersecurity or declared BS Information Technology or declared BS Computer Science or declared BS Intelligent Systems Engineering or declared Cybersecurity minor
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 9 **Repeat Limit:** 3
Major Restriction BS Cybersecurity or BS Information Technology or BS Computer Science or BS Intelligent Systems Engineering or BS Business Administration**Minor Restriction** Cybersecurity

CYBR 499 - Honors in Cybersecurity

Individual study for honors students.

Credit Hours: 3

Additional Restrictions/Requirements: Instructor approval for honors students only.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6 **Repeat Limit:** 2

Total: 18 Hours

Additional Information:

Students must earn a 'C' or above in all classes in the minor and a grade of at least 'C-' in each course.

Dance Minor

The dance minor at UNCW was created to provide a strong technical dance base along with an opportunity to explore dance in the community, giving students an appreciation of dance as an art form with a strong cultural and social perspective. The Wilmington dance community is vibrant and strong, allowing students to experience dance in many forms in both the studio and

in performance, including ballet, modern, musical theatre, opera, hip hop, and global dance forms including African, Latin, Indian, or other international dance styles.

A total of 19 credit hours are required for the completion of the minor.

Admission Requirements

Current UNCW Undergraduate Students

- See University Admission Requirements

Requirements for a Dance Minor

Core Courses (4 Credit Hours)

THR 112 - Dance Appreciation

Appreciation of dance as an art form. The study of dance as a reflection and expression of various cultures from pre-history to present. Includes exposure to contemporary concert dance through films and televised or live performance. Introductory experience in selected dance techniques.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

THR 349 - Dance in the Community

Opportunity for students to connect with the community, through performance, teaching, or creating choreographic works in a variety of settings. Developing skills to network with other dance organizations or studios.

Credit Hours: 1

Additional Restrictions/Requirements: Approval of Dance Coordinator required.
Course Repeatability: Course may not be repeated.
Additional Course Fees: Additional Fee - Liability Insurance

Minor Restriction Dance Minor Only

Dance Technique Courses (9 Credit Hours)

Choose 3 from the following classes:

THR 134 - Ballet I

Basic and comprehensive Ballet Technique at a beginning level. Accumulative credit limited to six semester hours.

Credit Hours: 3

Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6

THR 135 - Modern Dance I

A beginning level modern dance class focusing on dance as an art form. Provides students with the opportunity to explore modern dance technique through floor work, center floor work, combinations moving through space, and strength and flexibility training.

Credit Hours: 3

Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6

THR 136 - Movement Exploration

Study through creative dance techniques of the body's potential as a tool for creative expression. Exploration of the relationship of dance to other art forms. Solo and group work using basic art concepts and the individual's own experience as materials for movement improvisation and composition. No dance training necessary.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives
Crosslisting: PED 136
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

THR 234 - Ballet II

Basic Ballet Technique at an intermediate level. Accumulative credit limited to six semester hours.

Credit Hours: 3

Prerequisite Courses: THR 134 or PED 134

Additional Restrictions/Requirements: Prerequisite courses or consent of instructor.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6

THR 235 - Modern Dance II

An intermediate level modern dance class. Provides students with the opportunity to explore the modern dance technique through floor work, center floor work, combinations moving through space, and strength and flexibility training. Combinations will be more complex, requiring more fully articulated techniques, as introduced in THR 135.

Credit Hours: 3

Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6

THR 236 - Tap Dance

The foundations of tap, including traditional vocabulary and improvisation, with an emphasis on musical theatre forms.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

THR 237 - THR 237 - Musical Theatre Dance - Sorensen

Development of body awareness in dance practice and performance utilizing traditional and contemporary musical theatre styles.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

Elective Courses (6 Credit Hours)

Choose 2 of the following classes:

THR 341 - Dance for the Camera

Introduction to creating choreography for the screen, using technology to create creative dance works through both lecture and lab-based instruction.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

THR 342 - Dance Improvisation and Composition

Foundations of guided improvisation and the necessary tools for creating dance choreography.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

THR 343 - Dance and Popular Culture

Exploration into the historical and social perspective of dance in popular culture, including screen, social media, club dancing, etc., and its effect on contemporary society.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

THR 344 - Dance and Social Issues

Exploration of dance as it relates to cultural and social issues from an artistic and historical perspective.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

THR 345 - Hip Hop

Fundamentals of the varying styles of Hip Hop with a focus on street dance styles, freestyle, and dancing in the commercial industry.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

THR 346 - Global Dance Forms

Exploration of traditional dance forms from around the world, including African, Latin, Indian, or other international dance styles. Each semester focuses on the choreography and traditions of one global dance

form from both technical and historical perspectives in a studio class format.

Credit Hours: 3

Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6 **Repeat Limit:** 1

THR 347 - Partnering for Dance

Contemporary partnering practice, utilizing weight sharing and resistance, balance, lifting, etc.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

THR 348 - Music for Dance

An exploration of musical styles, global music forms, and rhythm fundamentals for dance artists, including choreographer and teacher.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

Total Credit Hours: 19

Additional Information

Data Science Minor

The data science minor is an interdisciplinary program that emphasizes computational-based applications of traditional data analysis methods and current trends in data mining and machine learning. The program is a collaborative effort between departments, the larger academic community and the business community that emphasizes computational-based applications.

Requirements for a Minor in Data Science

STT 215 - Introduction to Statistics

Methods of data collection; numerical and graphical analyses of univariate and bivariate data; axioms of probability; conditional probability; independence;

distributions of random variables; introduction to confidence intervals and hypothesis testing; simple linear regression and correlation; use of statistical software to analyze data and simulate random variables.

Credit Hours: 3

University Studies: Foundations/Mathematics and Statistics
Course Repeatability: Course may not be repeated.

PSY 225 - Introductory Statistics for the Behavioral Sciences

Introduction to the statistical techniques most often used by behavioral scientists for either descriptive purposes or hypothesis testing. Parametric techniques are emphasized, but nonparametric tests are included.

Credit Hours: 6

Prerequisite Courses: PSY 105 and (MAT 101 or higher [excluding MAT 105, MAT 141, and MAT 142], STT 210, or STT 215) and (BIO 105 or BIO 140+BIOL

140, BIO 201, BIO 202, or BIO 240+BIOL 240)
Additional Restrictions/Requirements: Class is restricted to students with Junior standing (or above).

University Studies: Critical Reasoning
Course Repeatability: Course may not be repeated.
Major Restriction Psychology

BAN 280 - Statistical Analysis for Business and Economics

Classification and presentation of business and economics data, probability and expected value, statistical inference, simple linear regression and correlation analysis.

Credit Hours: 3

Prerequisite Courses: MAT 111 or MAT 150.
University Studies: Foundations/Mathematics and Statistics
Course Repeatability: Course may not be repeated.
or other approved statistics course

MAT 151 - Basic Calculus with Applications I

Intended for majors that emphasize techniques and applications. Study of linear and nonlinear functions, differentiation with applications, Riemann sums, integration, and the Fundamental Theorem of Calculus.

Credit Hours: 3

Prerequisite Courses: MAT 111 or MAT 150 or MAT 160, or satisfactory performance on the UNCW mathematics placement test.
University Studies: Foundations/Mathematics and Statistics, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

MAT 161 - Calculus with Analytical Geometry I

Calculus of a single variable intended for students in the mathematical and natural sciences. Functions and limits; differentiation with applications including maxima and minima, related rates, and approximations; theory of integration with applications; and transcendental functions.

Credit Hours: 4

Prerequisite Courses: MAT 112 or MAT 160, or satisfactory performance on the UNCW mathematics placement test.
University Studies: Foundations/Mathematics and Statistics, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

STT 305 - Statistical Programming

Introduction to statistical programming in SAS with emphasis on data step programming; applications to data management and report generation, simulation, graphical and numerical analysis of univariate and multivariate data. Comparison of current statistical software.

Credit Hours: 3

Prerequisite Courses: STT 215
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

or

DSC 303 - R for Data Science

Introduction to data science with an overview of the basic techniques for making informed, data-driven decisions using the R statistical software. Students learn the basics of R programming and use it to visualize, wrangle, manipulate, and explore data of many types and sizes.

Prerequisite Courses: STT 215, or PSY 225, or BAN 280
Course Repeatability: Course may not be repeated.

or

STT 303 - R for Data Science

Introduction to data science with an overview of the basic techniques for making informed, data-driven decisions using the R statistical software. Students learn the basics of R programming and use it to visualize, wrangle, manipulate, and explore data of many types and sizes.

Prerequisite Courses: STT 215, or PSY 225, or BAN 280
Course Repeatability: Course may not be repeated.

CSC 131 - Introduction to Computer Science

Problem solving methods and algorithms in a modern high-level programming language. Introduces one or more programming environments. Emphasis on a programming style and the design, coding, and testing of complete programs. Recommended primarily for computer science majors.

Credit Hours: 4

Prerequisite Courses: MAT 112 or MAT 150 or MAT 160.
University Studies: Common Requirements/Critical Reasoning, Foundations/Mathematics and Statistics
Course Repeatability: Course may not be repeated. You must achieve a 'C' (2.00) or better if you intend to use this course as a prerequisite for another course.

DSC 301 - Introduction to Machine Learning

Introduction to machine learning, including necessary linear algebra topics, such as vectors, matrices, eigenvalues, eigenvectors, symmetric matrices and singular value decompositions. Considers gradient descent methods to optimize predictive and

classification models, dimension reduction, clustering, cross validation, grid search, data visualization and dashboards.

Credit Hours: 3

Prerequisite Courses: MAT 151 or MAT 161.
Course Repeatability: Course may not be repeated.

CSC 340 - Scientific Computing

Introduction to the design, application, and performance of numerical algorithms fundamental to scientific computation. Topics may include error and error propagation; matrix applications such as finding solutions to linear systems, finding eigenvalues and eigenvectors, or finding linear principal components; optimization; basic Markov modeling; Fourier processing; and curve fitting. Emphasizes relative merits and implementations of algorithms.

Credit Hours: 3

Prerequisite Courses: CSC 231 with a minimum

grade of C and MAT 162
Course Repeatability: Course may not be repeated.

DSC 302 - Foundations of Data Science

Foundational topics in the field of Data Science Topics to include data cleaning, Structured Query Language (SQL), data manipulation, visualizations, elementary classification, and machine learning.

Credit Hours: 3

Prerequisite Courses: MAT 151 or MAT 161.
Course Repeatability: Course may not be repeated.

Total 19-21 hours

Additional Information

An overall quality point average of "C" (2.00) or better is required for all courses counted toward the minor.

Digital Arts Minor

Admission Requirements

Current UNCW Undergraduate Students

- See University Admission Requirements

Requirement for a Minor in Digital Arts

A minor in digital arts requires completion of 24 hours, including 18 hours of core courses and 6 hours of electives. At least 3 elective hours must be at the 300 level or above, and at least 3 elective hours must be chosen from outside a student's major department.

Core Courses (18 Credit Hours)

ARH 202 - Medieval and Early Modern Art

Study of the major developments in global art, including painting, sculpture, and architecture from the late Medieval through the Early Modern period. Subject, style, formal qualities, patronage, significance, and the place of works of art in their respective religious, social, and political context.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives
Course Repeatability: Course may not be repeated.

ART 101 - Two-Dimensional Design

Study of the principles of two-dimensional design and introduction to color theory.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

ART 260 - Introduction To Graphic Design

Basic principles of graphic design and communication. Projects focus on the graphic expression of form through two-dimensional composition to communicate information, concepts, and emotions, and combine development of computer software skills with off-line creative processes and production methods.

Credit Hours: 3

Prerequisite Courses: ART 101
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

MIS 310 - Web Development Languages

Study of the design and creation of web pages that support traditional screens, tablets, and smart devices. Topics include page structure, human-computer interface design, style sheets, reusability, and design concepts. Best industry practices in web development, such as client-side scripting languages and Search Engine Optimization (SEO) techniques, will also be considered.

Credit Hours: 3

Prerequisite or Corequisite Courses: or (CSC 112 or CSC 131 or MIS 216)
Prerequisite Courses: CIT 110 or MIS 213
Additional Restrictions/Requirements:

One prerequisite or corequisite course is required: Choose CIT 110 or MIS 213 as a prerequisite course or one of CSC 112, CSC 131, or MIS 216 as a pre- or corequisite course.

Admission to Cameron School of Business or declared BS Information Technology major or declared BS Cybersecurity major or declared BS Computer Science or declared BA Digital Arts or declared Cybersecurity minor or declared Digital

Arts minor.
Course Repeatability: Course may not be repeated. **Maximum Repeatable Hours:** 3
Major Restriction BS Business Administration or BS Information Technology or BS Cybersecurity or BS Computer Science or BA Digital Arts**Minor Restriction** Cybersecurity Minor or Digital Arts Minor

CSC 112 - Introduction to Computer Programming

Introduction to programming in a high-level language. Algorithms, computer systems, data representation, survey of computer applications, elementary programming techniques, debugging and verification of programs. The language to be used will be specified in the schedule of classes. Recommended primarily for non computer science majors.

Credit Hours: 3

Prerequisite Courses: MAT 112 or MAT 150 or MAT 160.
University Studies: Foundations/Mathematics and

Statistics
Course Repeatability: Course may not be repeated.

CSC 131 - Introduction to Computer Science

Problem solving methods and algorithms in a modern high-level programming language. Introduces one or more programming environments. Emphasis on a programming style and the design, coding, and testing of complete programs. Recommended primarily for computer science majors.

Credit Hours: 4

Prerequisite Courses: MAT 112 or MAT 150 or MAT 160.
University Studies: Common Requirements/Critical Reasoning, Foundations/Mathematics and Statistics
Course Repeatability: Course may not be repeated.
You must achieve a 'C' (2.00) or better if you intend to use this course as a prerequisite for another course.

ART 220 - 3-D Computer Graphics Tools and Literacy

Project-based approach to learning fundamental principles of 3D computer graphics using high-level software tools. Modeling of objects, geometrical transformations, surface algorithms, lighting and shading, alternative rendering techniques, and providing background skills necessary to create animated movies.

Credit Hours: 3

Prerequisite Courses:
Prerequisite: CSC 112 or CSC 131. Prerequisite or corequisite: ART 260 or ART 282. **Additional Restrictions/Requirements:** Prerequisite courses or consent of instructor. **Crosslisting:** CSC 220, FST 220 **Course Repeatability:** Course may not be repeated.

CSC 220 - 3-D Computer Graphics Tools and Literacy

Project-based approach to learning fundamental principles of 3-D computer graphics using high-level software tools. Modeling of objects, geometrical transformations, surface algorithms, lighting and

shading, alternative rendering techniques, and providing background skills necessary to create animated movies.

Credit Hours: 3

Prerequisite Courses: Prerequisite: CSC 112 or CSC 131. Prerequisite or corequisite: ART 260 or ART 282.
Crosslisting: ART 220, FST 220
Course Repeatability: Course may not be repeated.

FST 220 - 3-D Computer Graphics Tools and Literacy

Project-based approach to learning fundamental principles of 3-D computer graphics using high-level software tools. Modeling of objects, geometrical transformations, surface algorithms, lighting and shading, alternative rendering techniques, and providing background skills necessary to create animated movies.

Credit Hours: 3

Prerequisite Courses: Prerequisite: CSC 112 or CSC

131. Prerequisite or corequisite: ART 260 or ART 282.
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Crosslisting: ART 220, CSC 220
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 3

Elective Courses (6 Credit Hours)

ARH 201 - Ancient Art and Archaeology

Introduction to the art and cultures of ancient Egypt, the Near East, and the Mediterranean. Emphasis on architecture, painting, sculpture, and objects of daily life to inform the myths and histories of ancient civilizations connected to the broader Mediterranean basin.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives
Course Repeatability: Course may not be repeated.

ARH 204 - Art of the Modern World

Examination of major monuments, artists, and artistic developments from the 19th to the late 20th century, primarily in Europe and the Americas. Study of the relationship between works of art and the historical, political, religious, and philosophical context of the societies that produced and made use of them.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives
Course Repeatability: Course may not be repeated.

ARH 386 - History of Photography

Introduction to the history of photography from its invention in 1839 until the present day. Emphasis on the development of techniques, imagery, and aesthetics of photography as art and documentation.

Credit Hours: 3

Prerequisite Courses: ARH 201 or ARH 202 or ARH 204

Additional Restrictions/Requirements: Consent of Instructor can be given in place of prerequisites.
Course Repeatability: Course may not be repeated.

ART 273 - Digital Illustration

Introduction to the practice and theory of digital art & illustration. Exploration of the core concepts and techniques in digital image making, photo manipulation, and content production using industry-standard software applications.

Credit Hours: 3

Prerequisite Courses: ART 101 and ART 111.
Course Repeatability: Course may not be repeated.

ART 280 - Introduction to Darkroom Photography

Basic darkroom processes for developing and printing black and white photographic film. Introduction to aesthetics of fine art photography, including visual problem solving, critical thinking, and development of a personal imagery.

Credit Hours: 3

Prerequisite Courses: ART 101 or ART 105.
Additional Restrictions/Requirements: Prerequisite courses or consent of instructor.
Course Repeatability: Course may not be repeated

ART 282 - Introduction to Digital Photography

Introduction to digital photography concepts and methods. Considers the design, processing, critiquing, and display of images created with digital cameras and printed with digital media.

Credit Hours: 3

Prerequisite Courses: ART 101 or ART 105 or consent of instructor.
Course Repeatability: Course may not be repeated.

ART 311 - Intermediate Life Drawing

Drawing from the model: structure, composition, and development of personal expression.

Credit Hours: 3

Prerequisite Courses: ART 211
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

ART 320 - Computer Animation

Basic principles of animation using 3-D computer-generated animation and basic processes for animating synthetic objects through structured exercises. Principles of designing and producing 3-D computer-generated animation through the creation of advanced motion studies. Projects focus on developing higher-level skills in model building, animation and color and lighting.

Credit Hours: 3

Prerequisite Courses: ART 220
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Crosslisting: CSC 320, FST 320
Course Repeatability: Course may not be repeated.

ART 341 - Intermediate Painting

Further investigation of materials and visual concepts, with attention to expanding the fundamentals of painting.

Credit Hours: 3

Prerequisite Courses: ART 242
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

ART 343 - Figure Painting

Oil and acrylic painting from the model. Investigates representational and abstract interpretations of the figure. Emphasizes spatial strategies, color, and paint application techniques.

Credit Hours: 3

Prerequisite Courses: ART 211 or ART 242
Additional Restrictions/Requirements: Prerequisite courses or consent of instructor.
Course Repeatability: Course may not be repeated.

ART 360 - Intermediate Graphic Design

Further investigation into graphic design creative processes and study of graphic communication through lectures, projects, and readings. Continuing development of software proficiency, critical and analytical skills. Emphasis on both practical and speculative approaches to design problems and their synthesis into formal solutions.

Credit Hours: 3

Prerequisite Courses: ART 260
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

ART 365 - Typography

Overview of the conceptual, formal, and technical issues of typography. The history of typography, the anatomy of letter forms, classifications of type, visual syntax, legibility, and technology. Exercises and projects emphasize production of visual communication for print using typography as the dominant element.

Credit Hours: 3

Prerequisite Courses: ART 260
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

ART 370 - 3D Printing and Laser Cutting

Exploration of 3D printing and laser cutting for art and design. Study of digital art culture including contemporary artistic, political, and ethical issues in the field.

Credit Hours: 3

Prerequisite Courses: ART 101 or consent of instructor.
Course Repeatability: Course may not be repeated.

ART 371 - Video Art & Projection Mapping

An exploration of time-based media, video art and projected light, with instruction on the history and use of analog and digital methods, including a variety of video projection mapping software to create immersive environments or to add moving textures and images to

sculpture, installation, performance, and architecture.

Credit Hours: 3

Prerequisite Courses: ART 101 or consent of instructor.
Course Repeatability: Course may not be repeated.

ART 372 - Digital Printmaking

This course will focus on the creation of digitally processed and handprinted images. Projects will explore the development of visual and narrative ideas using digital tools, and hand-printing the digital images using traditional printmaking methods.

Credit Hours: 3

Prerequisite Courses: ART 101.
Course Repeatability: Course may not be repeated.

ART 380 - Intermediate Darkroom Photography

Further exploration of darkroom processes for developing and printing black and white photographic films. Larger images, addictional formats, independent

creative projects, and further development of personal imagery.

Credit Hours: 3

Prerequisite Courses: ART 280
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

ART 382 - Intermediate Digital Photography

Further exploration of digital fine art photography concepts and methods. Further development of personal imagery through independent creative projects, discussions, and critiques of images created with digital cameras and printed with digital media.

Credit Hours: 3

Prerequisite Courses: ART 282
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

ART 411 - Advanced Life Drawing

Drawing from the model: drawing as a finished product, exploration of drawing techniques.

Credit Hours: 3

Prerequisite Courses: ART 311 or consent of instructor.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6 **Repeat Limit:** 1

ART 475 - Professional Practices

Preparation for graduate school, business practices, portfolio presentation, grant applications, publicity, and professional studio practice.

Credit Hours: 3

Additional Restrictions/Requirements: Junior or senior standing.
Course Repeatability: Course may not be repeated.

ART 491 - Directed Individual Study

Involves investigation under faculty supervision beyond what is offered in existing courses. For further

information, consult the Directed Individual Studies section in this catalogue.

Credit Hours: 1 To 3

Additional Restrictions/Requirements: Junior or senior standing, overall GPA of at least 2.00, and consent of instructor, department chair and dean.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

ART 495 - Seminar In Art

Consideration of special subjects not covered in detail in regular course offerings. More than one topic may be taken for credit.

Credit Hours: 1 To 3

Additional Restrictions/Requirements: Junior or senior standing.
Course Repeatability: Course may not be repeated.

CIT 410 - Web Application Development

Structured approach to building and maintaining dynamic and interactive Web sites. Emphasis on application, design and development. Students gain a thorough understanding of server-side scripting, form validation, and Web-site security while advancing their understanding of database design principles and SQL. Students create a database-driven Website.

Credit Hours: 3

Prerequisite Courses: MIS 310 or CSC 365.
Course Repeatability: Course may not be repeated.

COM 160 - Engaging Contemporary Media

Exploration of the structures, systems, effects, conventions, and genres of contemporary media. Emphasis on improving media literacy to foster informed, critical, and discerning interaction with media.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and

Behavior
Course Repeatability: Course may not be repeated.

COM 211 - Storytelling and Culture

Exploration of stories as the production and communication of culture. Emphasis on storytelling as performance with attention to personal stories, stories of others, shared cultural stories including fairy tales, myths, and folktales.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in Our Diverse Nation, Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.

COM 280 - Introduction to Digital Media Production

Introduction to the process, technologies, and aesthetics of digital video and audio production. Topics include field and studio TV production, editing, lighting, sound acquisition, project planning and writing, emerging technologies, and career preparation.

Credit Hours: 3

Prerequisite Courses: Prerequisite or Corequisite: COM 105, or consent of instructor.
Additional Restrictions/Requirements: Sophomore standing or higher.
Course Repeatability: Course may not be repeated.

COM 380 - Field Video Production I

Hands-on field video production including project planning, script writing, filming, recording, and editing. Emphasis on mastery of digital camera operation, audio acquisition, lighting, and digital editing. Students complete a variety of short productions working individually and in small teams.

Credit Hours: 3

Prerequisite Courses: (COM 280 or FST 201) and COM 105 with a minimum grade of B
Additional Restrictions/Requirements: Prerequisite courses and consent of instructor. Restricted to PCOM and COM majors.

Course Repeatability: Course may not be repeated.
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

COM 480 - Field Video Production II

Application of advanced field video and editing techniques in the completion of substantial video projects in two or more of these areas: artistic/experimental, documentary, informational, promotional, news, or sports. Emphasis on development of creativity, and video storytelling, planning and technical skills. All projects are intended for festival submission, regional telecast, or produced for campus and regional clients.

Credit Hours: 3

Prerequisite Courses: COM 380 and permission of instructor.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.
Major Restriction COM

COM 491 - Directed Individual Study

Involves investigation under faculty supervision beyond what is offered in existing upper-division courses. For further information, consult the Directed Individual Studies section in this catalogue.

Credit Hours: 1 To 6

Additional Restrictions/Requirements: Restricted to junior and senior COM majors, with overall GPA of at least 2.50 and consent of instructor, department chair, and dean.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 9 **Repeat Limit:** 2-8
Major Restriction COM

CRW 210 - Writing for Digital Media

Instruction in writing narrative as a foundation for digital-arts projects. Focus will be on the writing process, from story ideas to revised drafts, with the aim of applying the written works to digital-arts projects.

Credit Hours: 3

Prerequisite Courses: CRW 201 or CRW 203
Course Repeatability: Course may not be repeated.

CSC 315 - Mobile Application Development

Concepts and technologies for developing applications on mobile devices, including mobile-platform programming, memory-management, object-oriented paradigms, model-view-controller design, mobile-centric frameworks for networking, multimedia, location-based services, and interface design. Application design, programming, and implementation for a current mobile platform.

Prerequisite Courses: CSC 331 with a minimum grade of "C".
Course Repeatability: Course may not be repeated.

CSC 320 - Computer Animation

Basic principles of animation using 3-D computer-generated animation and basic processes for animating synthetic objects through structured exercises. Principles of designing and producing 3-D computer-generated animation through the creation of advanced

motion studies. Projects focus on developing higher-level skills in model building, animation and color, and lighting.

Credit Hours: 3

Prerequisite Courses: CSC 220
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Crosslisting: ART 320, FST 320
Course Repeatability: Course may not be repeated.

CSC 368 - Visual Design for Multi-Media

Combined studio/lecture course that examines technologies and basic principles of the Internet specific to visual interface design and interactivity. Topics covered include technical, functional, and aesthetic issues related to basic graphic design and page design principles; site planning and implementation; graphic production using software and designing for user experience.

Credit Hours: 3

Prerequisite Courses: CSC 231 with a minimum grade of "C" and ART/CSC/FST 220
University Studies: Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

CSC 370 - Computer Graphics

Introduction to geometric modeling for graphic programming. Topics include transformations for modeling, viewing, and projection; geometric modeling of curves and surfaces; hidden-surface removal; clipping; graphical buffers; material simulation; texture mapping; and lighting.

Credit Hours: 3

Prerequisite Courses: CSC 231 with a minimum grade of C and MAT 162
Course Repeatability: Course may not be repeated.

CSC 421 - Game Development

Design and implementation of computer games, including design, modeling, and animation of meshes for game characters and environments using 3D

software, scene and object representation, graphics pipeline, collision detection, picking, graphics optimization, basic physics and Artificial Intelligence for games, and code modifications and additions for a game engine.

Credit Hours: 3

Prerequisite or Corequisite Courses: CSC 320 or CSC 370.
Prerequisite Courses: CSC 220 and (CSC 331 with a minimum grade of C).
Course Repeatability: Course may not be repeated.

CSC 430 - Digital Visual Effects

Exploration of digital image and video representation and manipulation for motion-picture visual effects. Topics include image storage and compression, film and video formats, compositing, filtering, scripting for graphics and visual effects, photorealistic lighting and rendering, virtual cinematography, camera tracking, and particle effects.

Credit Hours: 3

Prerequisite Courses: (CSC 370 or ART 320 or FST 320), or CSC 370.
Crosslisting: FST 430
Course Repeatability: Course may not be repeated.

CSC 475 - Topics in Computer Science

Topics of current interest in computer science not covered in existing courses. May be repeated under a different subtitle.

Credit Hours: 1 to 4

Additional Restrictions/Requirements: Senior standing and consent of instructor.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 8 **Repeat Limit:** 2

CSC 491 - Directed Individual Study

Investigation under faculty supervision beyond what is offered in existing courses. Written experience report and oral presentation required. For further information, consult the Enrichment Courses and Programs section in this catalogue.

Credit Hours: 1 To 3

Additional Restrictions/Requirements: Junior or senior standing, overall GPA of at least 2.50 and a GPA in CSC courses of at least 2.80, and consent of instructor, department chair, and dean.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6 **Repeat Limit:** 5

FST 301 - Film Tools and Techniques

Instruction in the techniques and technologies of digital filmmaking, including camera, lenses, lighting, grip, sound, and set protocol.

Credit Hours: 3

Prerequisite Courses: FST 201
Additional Restrictions/Requirements: Restricted to FST majors, or consent of instructor.
Course Repeatability: Course may not be repeated.

Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

FST 302 - Intermediate Film Production

A comprehensive practicum in motion picture preproduction, production, and post-production, concentrating on documentary, narrative or experimental cinema. May be repeated under different subtitles.

Credit Hours: 3

Prerequisite Courses: FST 201
Additional Restrictions/Requirements: Restricted to FST majors or consent of instructor.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

FST 318 - Screenwriting I: Introduction to Screenwriting

Theory and practice of screenwriting with an emphasis on the fundamentals of narrative structure. Students

write original scripts, including a short screenplay for possible use in FST 495.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: FST 201; or CRW 207 or CRW 208 or CRW 209.
Additional Restrictions/Requirements: Restricted to FST majors, PCRW or CRW majors, or consent of instructor.
Crosslisting: CRW 318
Course Repeatability: Course may not be repeated.

FST 320 - Computer Animation

Basic principles of animation using 3-D computer-generated animation and basic processes for animating synthetic objects through structured exercises. Principles of designing and producing 3-D computer-generated animation through the creation of advanced motion studies. Projects focus on developing higher-level skills in model building, animation and color, and lighting.

Credit Hours: 3

Prerequisite Courses: FST 220
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Crosslisting: ART 320, CSC 320
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 3

FST 330 - Producing

Focuses on duties of a producer through a project "life cycle": development, financing, pre-production, production, post-production, marketing, and distribution. Emphasizes production management, budgeting, and scheduling. May be repeated under a different subtitle.

Credit Hours: 3

Prerequisite Courses: FST 201
Additional Restrictions/Requirements: Restricted to FST majors or consent of instructor.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6

Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

FST 331 - Introduction to Editing

An introduction to the techniques and aesthetics of non-linear motion picture editing.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: FST 201, or permission of instructor.
Course Repeatability: Course may not be repeated.
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

FST 368 - Studies in Film Styles and Genres

Study of a film style or genre, such as film noir, the western, or the musical. May be repeated under different subtitles.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: FST 205, or permission of instructor.

Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

FST 393 - Sound Recording

Instruction in the techniques, aesthetics, and equipment for recording sound for motion pictures.

Credit Hours: 3

Prerequisite Courses: FST 201
Additional Restrictions/Requirements: Restricted to FST majors or consent of instructor.
Course Repeatability: Course may not be repeated.
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

FST 394 - Sound Design

Instruction in creating motion picture soundtracks and in techniques and aesthetics of sound editing and mixing.

Credit Hours: 3

Prerequisite Courses: FST 201

Additional Restrictions/Requirements: Restricted to FST majors or consent of instructor.
Course Repeatability: Course may not be repeated.

FST 398 - Practicum in Film Production

Selected topics in film production. May be repeated under different subtitles.

Credit Hours: 1 To 3

Prerequisite Courses: FST 201
Additional Restrictions/Requirements: Restricted to FST major or consent of instructor.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

FST 430 - Digital Visual Effects

Exploration of digital image and video representation and manipulation for motion-picture visual effects. Includes image storage and compression, film and video formats, compositing, filtering, scripting for graphics and visual effects, photorealistic lighting and

rendering, virtual cinematography, camera tracking, and particle effects.

Credit Hours: 3

Prerequisite Courses: CSC 320, or ART 320, or FST 320.
Crosslisting: CSC 430, FST 522.
Course Repeatability: Course may not be repeated.
Additional Course Fee Schedule

FST 432 - Expanded Cinema

Modes of media production in expanded cinema. Topics may include video installation, video mapping, building interactive media environments, creating experimental animations, and live cinema. May be repeated under different subheadings.

Credit Hours: 3

Prerequisite Courses: FST 201
Additional Restrictions/Requirements: Junior or Senior standing, permission of instructor

Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 9 **Repeat Limit:** 2

FST 433 - Modes of Animation Production

Applied instruction in selected animation forms and techniques. Topics might include motion graphics, gif animation and character animation. May be repeated under different subtitles.

Credit Hours: 3

Prerequisite Courses: FST 201.
Additional Restrictions/Requirements: Junior or Senior standing, permission of instructor
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 9 **Repeat Limit:** 2

FST 491 - Directed Individual Study

Investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Study section in this catalogue.

Credit Hours: 1 To 3

Additional Restrictions/Requirements: Junior or senior standing; nine hours of film studies courses, at least six of which are at the 300-400 level; overall GPA of at least 2.50; and consent of instructor, department chair and dean.
University Studies: Explorations Beyond the Classroom/Certified Internship Program
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

FST 495 - Senior Seminar in Film Production

Collaborative production of a short experimental, documentary, narrative, or animated motion picture. May be repeated under different subtitles.

Credit Hours: 3

Prerequisite Courses: FST 301 or FST 302
Additional Restrictions/Requirements: Prerequisite course and consent of the chair of Film Studies.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

FST 497 - Applied Post Production

Hands-on application of editing theory and post-production techniques, practices, and technology. Students create a finished film using raw footage from previousFST 495 projects; exceptions upon approval.

Credit Hours: 3

Prerequisite Courses: FST 331
Additional Restrictions/Requirements: Prerequisite course and consent of the chair of Film Studies.
Course Repeatability: Course may not be repeated.
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

MUS 110 - Introduction to Music Technology

Overview of music technology for the music major. Introduction to Digital Audio Workstation environments, basic MIDI sequencing, and traditional notation software.

Credit Hours: 1

Course Repeatability: Course may not be repeated.

MUS 210 - Digital Music Production

Applications of music technology software for digital music production in Digital Audio Workstation environments, including non-traditional notation systems, intermediate-level work with MIDI sequencing, DAW signal flow, stereo mixing techniques, software-based virtual instruments, and intermediate sampling techniques.

Credit Hours: 2

Prerequisite Courses: MUS 110.
Course Repeatability: Course may not be repeated.

MUS 310 - Film Scoring and Video Game Music

Intermediate study of digital sound synthesis, sampling, and MIDI sequencing, with an emphasis on scoring for film and video games.

Credit Hours: 3

Prerequisite Courses: MUS 214.
Course Repeatability: Course may not be repeated.

MUS 491 - Directed Individual Study

Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.

Credit Hours: 1 To 3

Additional Restrictions/Requirements: Junior or senior standing, overall GPA of at least 2.00, and consent of instructor, department chair and dean.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

THR 211 - Introduction to CAD

A study of theatre drafting conventions and software-related techniques. Topics include line-use, dimensions, text, notation, and symbols for use in creating floor plans, elevations, shop drawings, pictorials, and lighting plots.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

THR 305 - Scene Design I

An intermediate study of set design development and presentation building upon coursework begun in THR 125, and focusing specifically upon the art, history, methodology, and practice of theatrical design. 20 lab hours of applied experiential learning required.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

THR 306 - Light Design I

Basic techniques of lighting design. Includes fundamentals of lighting production techniques and equipment, and the use of color. Requires lab participation in University Theatre productions.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

THR 411 - Three-Dimensional Computer Modeling

A study of software to develop models of scene designs for the stage. Topics include shape and texture generation; light handling; rendering; scanning; and output.

Credit Hours: 3

Prerequisite Courses: THR 211
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

THR 491 - Directed Individual Study

Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.

Credit Hours: 1 To 3

Additional Restrictions/Requirements: Junior or senior standing, overall GPA of at least 2.00, and consent of instructor, department chair and dean.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

Total Credit Hours: 24

Additional Information

Students must earn at least a "C" (2.00) average in courses counted for a digital arts minor.

Digital Humanities Minor

The College of Humanities, Social Sciences, and the Arts offers an interdisciplinary minor in Digital Humanities. The minor provides students with an understanding of the study of digital technologies with a focus on their impact on diverse human experiences, cultures, and cultural expression. Students complement core requirements with classes on the development, application, and implications of digital technologies from the perspective of different sciences (CSC, GGY, CIT), humanities (PAR, ENG, HST, WLC, COM) and

arts disciplines (ART). Students should contact the coordinator in the English department, Jennifer Lozano (lozanoj@uncw.edu), for additional information.

Admission Requirements

Current UNCW Undergraduate Students

- See University Admission Requirements

Requirements for a Minor in Digital Humanities

Core Courses (6 Credit Hours)

Students must take these core courses (6 credits) in order to complete the Digital Humanities minor. Introduction to Digital Humanities (ENG 104) must be taken before enrolling in Applications in Digital Humanities (ENG 367).

ENG 104 - Introduction to Digital Humanities

Introduction to the application of digital tools for humanities research. Students explore interdisciplinary definitions of Digital Humanities (DH) and DH research methods; investigate and critique DH projects; and plan and execute their own collaborative DH projects.

Course Repeatability: Course may not be repeated.

ENG 367 - Digital Humanities Applications

Project-based exploration of a real world problem (social, cultural, interpretive/aesthetic). Students conduct primary and/or secondary research using digital and non-digital methods and present findings using a relevant digital medium that aligns with the project's values, goals, and audience.

Prerequisite Courses: ENG 104
Course Repeatability: Course may not be repeated.

Elective Courses (12 Credit Hours)

Students must take 12 credit hours from the Electives list of classes. Elective credits must come from at least 2 different prefixes and 6 credits must be taken at the 300-level or higher.

ART 220 - 3-D Computer Graphics Tools and Literacy

Project-based approach to learning fundamental principles of 3D computer graphics using high-level

software tools. Modeling of objects, geometrical transformations, surface algorithms, lighting and shading, alternative rendering techniques, and providing background skills necessary to create animated movies.

Credit Hours: 3

Prerequisite Courses:
Prerequisite: CSC 112 or CSC 131. Prerequisite or corequisite: ART 260 or ART 282.
Additional Restrictions/Requirements: Prerequisite courses or consent of instructor.
Crosslisting: CSC 220, FST 220
Course Repeatability: Course may not be repeated.

CIT 110 - Fluency in Information Technology

Information representation, the Internet and HTML, algorithmic thinking and programming, language translation, modeling and abstraction, algorithmic complexity and non-computability, machine architecture and parallel computation, networks and communication, database principles, multimedia, social impacts of computing.

Credit Hours: 3

University Studies: Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

COM 280 - Introduction to Digital Media Production

Introduction to the process, technologies, and aesthetics of digital video and audio production. Topics include field and studio TV production, editing, lighting, sound acquisition, project planning and writing, emerging technologies, and career preparation.

Credit Hours: 3

Prerequisite Courses: Prerequisite or Corequisite: COM 105, or consent of instructor.
Additional Restrictions/Requirements: Sophomore standing or higher.
Course Repeatability: Course may not be repeated.

COM 283 - Digital Audio I

Audio production experience including project analysis, planning, script writing, recording, and editing. Emphasis on audio acquisition and digital editing. Students complete a variety of short productions working individually and in small teams.

Credit Hours: 3

Additional Restrictions/Requirements: Restricted to PCOM and COM majors.
Course Repeatability: Course may not be repeated.

COM 383 - Audio Storytelling & Podcasting

Creation of audio-based projects in a variety of genres including IMC, news, sports, entertainment, and social media content. Topics include: voice development, project planning, scriptwriting, recording, editing, and promotion. Emphasis on proper audio acquisition, digital editing skills, and quality programming. Students complete a variety of productions working individually and in small groups.

Credit Hours: 3

Prerequisite or Corequisite Courses: COM 200 or permission of instructor.
Additional Restrictions/Requirements: PCOM or COM major or permission of instructor.
Course Repeatability: Course may not be repeated.
Major Restriction PCOM or COM Majors

COM 387 - Visual Communication: Digital and Print Design and Production

Learn the fundamental rhetorical principles and theories of graphic and layout design for effective communication. Students create artifacts using current technologies and available materials to meet diverse creative and rhetorical goals. Projects include technical documents, posters, magazines, and newsletters and other digital and print deliverables.

Credit Hours: 3

Additional Restrictions/Requirements: Or permission of instructor.
Course Repeatability: Course may not be repeated.
Major Restriction COM Studies Majors

CSC 112 - Introduction to Computer Programming

Introduction to programming in a high-level language. Algorithms, computer systems, data representation, survey of computer applications, elementary programming techniques, debugging and verification of programs. The language to be used will be specified in the schedule of classes. Recommended primarily for non computer science majors.

Credit Hours: 3

Prerequisite Courses: MAT 112 or MAT 150 or MAT 160.
University Studies: Foundations/Mathematics and Statistics
Course Repeatability: Course may not be repeated.

CSC 302 - Introduction to Artificial Intelligence

Introduction to foundational topics on Artificial Intelligence and mathematical foundation suitable for the studies of AI. Topics include modern historical perspectives of AI, intelligent agents, search algorithms, machine learning, knowledge

representation, ethical and societal implications of AI.

Credit Hours: 3

Prerequisite Courses: CSC 231 with a minimum grade of "C" and MAT 161, or instructor approval.
Course Repeatability: Course may not be repeated.

ENG 313 - Writing About Science, Medicine, and the Environment

Exploration of scientific discourse focusing on analyzing scientific texts and rewriting scientific and technical information for a variety of audiences. Includes the development of relevant research skills.

Credit Hours: 3

University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

ENG 314 - Digital Composing

Study of the intersection between writing and technology, including Web page creation,

documentation, usability, desktop publishing, and the use of graphics with text.

Credit Hours: 3

Prerequisite Courses: ENG 204 or ENG 205 or permission of instructor.
University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

ENG 319 - Document Design

Study of effective design of print and electronic documents. Emphasis on browsing patterns, usability, the interaction of text and graphics, and visual rhetoric. Includes a service-learning component.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 204, or consent of instructor.
University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

ENG 384 - Studies in Popular Culture

Critical study of popular culture as an aesthetic and economic phenomenon that plays an integral role in everyday life. Includes a variety of primary texts in multiple media forms (which may include fiction, film, music, and television) as well as readings in cultural and critical theory.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
Course Repeatability: Course may not be repeated

GGY 215 - The Digital Globe

Introduction to the maps, data, and methods commonly used by geographers to investigate spatial relationships from local to global scales. Includes the examination of geography as a discipline whereby human and physical environments are spatially explored.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in a Global Society, Building Competencies/Information Literacy, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

GGY 321 - Introduction to Geographic Information Systems

Introduces fundamental concepts and principles of Geographic Information Systems (GIS). Tools, functions, and capabilities of GIS desktop software (e.g. ArcGIS or QGIS) are explained and used to visualize and manipulate geospatial data.

Credit Hours: 3

Prerequisite Courses: GGY 130 or GGY 215 or GLY 101 or GLY 120 or OCN 150 or EVS 195 or EGN 102.
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

HST 112 - History of Science II: Modern Science

Growth and development of modern science. Topics include Darwin's theory of evolution, Einstein's special and general relativity, quantum mechanics, wartime science, the discovery of DNA, and the impact of science and technology on modern society.

Credit Hours: 3

University Studies: Approaches and Perspectives/Historical and Philosophical Approaches
Course Repeatability: Course may not be repeated.

HST 329 - History of Science and Technology in the Modern World

Examination of themes in the history of science and technology since the Scientific Revolution, such as controversies in science and technology, history of technology/biotechnology, history of American Science, and science and technology since 1900. Course may be repeated for credit under different subtitles.

Credit Hours: 3

Additional Restrictions/Requirements: Any HST

course or consent of instructor.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 9

HST 334 - Public History

A study of the ways in which historians practice outside of the academy. Topics include historic preservation, museum interpretation, cultural resource management, media, and archives. Class may include guest speakers and field trips.

Credit Hours: 3

Additional Restrictions/Requirements: Any HST course or consent of instructor.
Course Repeatability: Course may not be repeated.

INT 315 - Topics in Globalization

Intensive study of a selected topic or theme in globalization. May be repeated under different subtitles.

Credit Hours: 3

Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

PAR 230 - Judaism, Christianity, and Islam

Survey of the history of Judaism, Christianity, and Islam from their origins in the Middle East over 3,500 years ago to their diverse practices, scriptures, art, and communities around the world today.

Credit Hours: 3

University Studies: Approaches and Perspectives/Historical and Philosophical Approaches, Approaches and Perspectives/Living in a Global Society, Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

PAR 390 - Religion and Technology

Explores how religions in the past and present are necessarily and inherently technological. Evaluates modern assumptions about the secular (i.e., non-religious) nature, digital nature, and passive work of technology. Topics vary by instructor.

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives, Critical Reasoning, Approaches and Perspectives/Historical and Philosophical Approaches
Course Repeatability: Course may not be repeated.

SPN 215 - Intermediate Spanish for Bilingual Speakers

An introduction to the grammatical structure of the language designed for students whose home language is Spanish (in lieu of SPN 202). Application of the language in composition, conversation, and reading (fiction and non-fiction) with the goals of applying effective reading techniques and strategies, increasing vocabulary, and improving general and oral communication skills. Analysis of linguistic variation as it pertains to Spanish in its U.S. context and abroad.

Credit Hours: 3

Additional Restrictions/Requirements: Placement testing. This course cannot be taken if a student is receiving credit for SPN 202.
University Studies: Foundations/Foreign Language,

Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.

SPN 490 - Service Learning and Research

Study of the Spanish-speaking population in a specific region. Each student completes 30 volunteer hours with a local agency that works with the Spanish-speaking community. A research project related to the Spanish-speaking population of a specific region or community is also required.

Credit Hours: 3

Prerequisite Courses: SPN 305 with a 'C' or better.
Additional Restrictions/Requirements: Junior or senior standing.
University Studies: Approaches and Perspectives/Living in Our Diverse Nation, Building Competencies/Information Literacy, Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.

Total Credit Hours: 18

Economics Minor

Requirements for a Minor in Economics:

The minor in economics requires completion of 18 hours, including 9 hours of core courses and 9 hours of electives, with a minimum overall grade point average of 2.00 in courses counted for the minor. The minor is open to all students outside of the Cameron School of Business. Business majors, including students pursuing a Bachelor's of Arts degree in Economics, are not eligible for the minor.

Core Courses:

ECN 221 - Principles of Economics-Micro

Analysis of decision-making processes and economic equilibrium for the individual firm and consumer at an introductory level.

Credit Hours: 3

Prerequisite Courses: MAT 111 or MAT 150 or MAT 151 or MAT 160 or MAT 161
University Studies: Approaches and

Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

ECN 222 - Principles of Economics-Macro

Aggregate economic analysis examining the effects of fiscal and monetary policy upon aggregate employment, income and prices at an introductory level.

Credit Hours: 3

Prerequisite Courses: ECN 221
University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.

ECN 324 - Financial Markets and Institutions

An introduction to the financial and economic environment within which a firm must operate. Analysis of the sources and the cost and availability of funds in a domestic and international setting; analysis of

international monetary flows; financial decision making in an integrated world economy.

Credit Hours: 3

Prerequisite Courses: ECN 222
Crosslisting: FIN 324
Course Repeatability: Course may not be repeated.

ECN 328 - Public Finance

Study of state, local, and federal government revenue and expenditures; theory of taxation, tax shifting and incidence; theory of public goods, fiscal neutrality and government regulation; methods of achieving efficiency in government benefit-cost analysis, program budgeting (PPB), and pricing of government services.

Credit Hours: 3

Prerequisite Courses: ECN 222.
Additional Restrictions/Requirements: Prerequisite courses and either admission to Cameron School of Business or declared minor in economics
University Studies: Approaches and

Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.

Electives:

Nine hours of any economics courses numbered above 299 for which one has the necessary prerequisite. Elective courses used to fulfill the requirements for the economics minor may not additionally be used to satisfy the requirements for other majors.

Total: 18 hours

Educational Studies Minor

Watson College of Education offers an interdisciplinary minor in Educational Studies for students in all majors who are interested in issues of education but do not wish to pursue teacher licensure. The minor draws on a wide range of disciplines such as history, philosophy, sociology, anthropology, political science, gender and cultural studies, and comparative and international studies. Students will develop a knowledge base that encourages their development into informed and socially engaged stakeholders who have essential skills to critically engage in research, education, and diverse communities. Students will complete 21 hours for the

minor - 12 hours in Education and 9 hours of elective credit.

Requirements for a Minor in Educational Studies

Required Courses (12 hours)

EDN 200 - Teacher, School and Society

This course examines historical, sociological, and philosophical foundations of education as well as issues of diversity. The course engages students' knowledge, research, and analytical skills in relation to the goals and purposes of education. Students are challenged to critically reflect on personal and educational experiences as preservice professionals. The course is designed to provide opportunities to observe and engage in reflective discussion of curriculum and instructional practices, school governance and organization, and school-community relationships, inclusive of field experience. **Additional liability insurance expense may be necessary.** The lab for this course is EDNL 200.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in Our Diverse Nation, Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.

EDN 425 - Educational Policy and Advocacy

In this course students will study local, state, national, and international policies related to education. Students will examine the causes and effects of specific policies for teachers, students, and communities. Students will complete an in-depth study of a group or agency that advocates for children, youth, families, and/or schools. A capstone project is included in this course.

Credit Hours: 3

University Studies: Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

Additional Required Courses

Choose 2 from the following list:

EDN 203 - Psychological Foundations of Teaching

A study of the major psychological variables that influence learning in schools and their applications to teaching. Addresses theories and systems of learning (behavioral, cognitive, constructivist, and humanistic); major developmental processes and typical characteristics; and principles of motivation. Variables explaining and accounting for individual differences will be examined, including cultural aspects of learning and special needs learners. Students will learn about practices associated with effective teaching, including classroom management, and standards for valid assessment of student learning.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

EDN 304 - Creativity, Imagination, and Innovation in Education

This course will examine the creative process in teaching, curriculum design, and educational spaces. Students will explore the ways that individuals develop, implement and evaluate new ideas, processes, and programs related to education. Students will also study the cultivation of imagination and the nurturing of innovation using real-world examples.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

EDN 370 - Gender and Education

This course will investigate the historical and contemporary issues related to gender, sexuality, and sex education. Specific topics will include: the construction of gender identity in educational settings, educational practices that reinforce or challenge gendered identities, single-sex education, and sexuality education. Students in the course will also explore laws and policies related to gender and sexuality in education.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

EDN 400 - Immigration, Demographics, and Justice in Education

This course will consider immigration, changing demographics in the United States, the effects of these changes on schools and communities, and power structures that support and/or hinder school and community responses to changing demographics. Specific attention will be given also to differences in rural and urban demographic shifts and the effects of those shifts on education.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

Electives (9 hours)

Choose 3 courses from the following list:

ANT 206 - Cultural Anthropology

A presentation of the content and historical development of cultural anthropology. Deals with the cultural relativism, ethnocentrism, institutional analysis and cultural integration and shifts in theoretical perspectives by comparing ethnographies of selected cultures.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

ANT 327 - Globalization & Culture Change

Explores processes of globalization in local communities by addressing issues and dynamics of culture change in the contemporary world. Themes include: economic development and underdevelopment; legacies of colonialism; immigration; transnational culture; market and meaning exchanges in media and the arts; and organized resistance to globalization.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

ANT 330 - The Immigrant Experience

Through ethnographic accounts and personal narratives from a variety of global settings, the course examines the economic, social and political factors that prompt migration and explores the cultural adaptations, ethical questions, human rights issues, and public policy debates of immigration and resettlement.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in Our Diverse Nation, Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

COM 344 - Intercultural Communication

Theoretical and practical perspectives on communication effectiveness in dealing with people, groups, or organizations that are culturally different

within and across national boundaries.

Credit Hours: 3

Prerequisite Courses: COM 105 with a grade of 'B' or better, or permission of instructor.
Additional Restrictions/Requirements: Restricted to Junior standing or higher.
University Studies: Approaches and Perspectives/Living in a Global Society, Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.

GGY 340 - Global Change: Population, Resources, and the Environment

Introduction to the four major driving forces of global change: demographic trends, natural resource use, climate change, and globalization. Explores the role of economic and cultural development and analyzes regional patterns that result in the unique manifestations of global change.

Credit Hours: 3

Prerequisite Courses: GGY 130 or GGY 101 or GGY 180, or consent of instructor.
Course Repeatability: Course may not be repeated.

HST 270 - Global Issues in Historical Perspective

Selected themes and events in international or global history, with particular attention to cultural, intellectual, and/or economic exchanges between the 'West' and the wider world. Topics include: Society and the Supernatural, International Slave Trade. May be repeated under different subtitles.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in a Global Society, Approaches and Perspectives/Historical and Philosophical Approaches
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

INT 200 - Global Capitalism and its Discontents

An introduction to the history of capitalism, its alternatives, and its benefits and drawbacks in the era of globalization.

Credit Hours: 3

University Studies: Approaches and Perspectives/Historical and Philosophical Approaches, Approaches and Perspectives/Living in a Global Society, Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

INT 300 - Interdisciplinarity and International Studies

An introduction to the rationale and application of interdisciplinarity to International Studies.

Credit Hours: 3

Prerequisite Courses: INT 105
Additional Restrictions/Requirements: Restricted to International Studies majors or minors.
University Studies: Building Competencies/Writing Intensive, Information Literacy, Common

Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

PBH 290 - Foundations of Public Health

An overview of the public health profession with emphasis on the foundations of public health such as definitions, history, philosophy, ethics, evidence-based principles, and determinants of health.

Credit Hours: 3

Additional Restrictions/Requirements: Minimum passing grade of "C-" or above required in each PBH course to progress in the program. Open to PBH majors only.
Course Repeatability: Course may not be repeated.

PBH 320 - Foundations of Global Health

Overview of health around the world. The class will explore contemporary issues, problems, and controversies in global health and identify key global health challenges, their distributions, and prevention strategies.

Credit Hours: 3

Additional Restrictions/Requirements: Minimum passing grade of "C-" or above required in each PBH course to progress in the program. Open to PBH majors only.
University Studies: Building Competencies/Information Literacy
Crosslisting: HEA 320.
Course Repeatability: Course may not be repeated.

PLS 202 - Contemporary American Political Issues

Important political issues and their relationship to the overall American political process. Topics are selected from, but not limited to: education policy; health care policy; federal deficit and debt policy; and minorities and politics.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and

Behaviors
Course Repeatability: Course may not be repeated.

PLS 222 - Contemporary International Political Issues

Important international political issues and their impact on the political processes among the nations of the world. Topics are selected from, but not limited to: the role of the United Nations; environmental policy; separatism and nationalism; religious conflict and international order; terrorism; and economic development.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

PLS 313 - Early Political Thought

Introduction to the origin and development of political theory from the 5th Century B.C. through the medieval era. Emphasis will be placed on the political ideas of Plato, Aristotle, the Epicureans, the Stoics, Cicero, Augustine, medieval philosophers, and Aquinas in order to discover the recurring themes of political

inquiry.

Credit Hours: 3

Prerequisite Courses: PLS 212
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

PLS 316 - Women in Politics

Introduction to political perspectives on sex role differentiation. Among the topics to be discussed will be political socialization of women in ancient and modern society; women's roles in politics and government; political consequences of women's entry into the work force; and contemporary issues in the women's movement. Emphasis will be placed throughout on comparative political analysis.

Credit Hours: 3

Prerequisite Courses: PLS 101 or PLS 111
Additional Restrictions/Requirements: Prerequisite

courses or consent of instructor.
Course Repeatability: Course may not be repeated.

SOC 240 - Individuals and Societies in a Global World

Introduction to globalization as an ongoing socio-economic process and as an analytical concept. Examines various aspects of globalization of economies and societies.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 347 - Sociology of Education

Historical-comparative sociological analysis of formal education systems in modern societies. Examination of sociological theories of education as they apply to political economy, stratification, social selection, cultural reproduction, and social change.

Credit Hours: 3

Prerequisite Courses: SOC 105.
University Studies: Approaches and Perspectives/Living in a Diverse Nation, Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 350 - Gender and Society

Focus on gender in social life. Theoretical explanations of gender differentiation, with an emphasis on socialization, stratification, family, work, education, politics, and social change.

Credit Hours: 3

Prerequisite Courses: SOC 105
University Studies: Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 380 - Social Classes

Examination of social stratification as the system of distribution of privilege, power and prestige in modern and traditional societies. Discussion of major theories and theorists of stratification; the structure and process of systems of social inequality; the causes, correlates and consequences of socially structured inequality.

Credit Hours: 3

Prerequisite Courses: SOC 105
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

Total: 21 hours

English Minor

Admission Requirements

Current UNCW Undergraduate Students

- See University Admission Requirements

Requirements for a Minor in English

Core Courses (3 Credit Hours)

ENG 204 - Introduction to Professional Writing

An introductory survey of concepts in professional writing, including audience analysis, research methods, visual thinking, and composing processes. Includes a service-learning component.

Credit Hours: 3

University Studies: Building Competencies/Writing Intensive, Building Competencies/Information Literacy, Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.

Or

ENG 205 - Introduction to Literary and Cultural Studies

An immersive introduction to literary and cultural studies, focusing on a single text. Students will learn how to write literary and cultural criticism, with an emphasis on interpretative methods, practical research skills, and discipline-specific conventions of citation.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite:

ENG 103 or ENG 201, or consent of instructor.
University Studies: Building Competencies/Writing Intensive, Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

Elective Courses (15 Credit Hours)

- plus 15 hours of English classes at the 200 level or above (excluding 200 and 201), with at least 9 hours at the 300-400 level

Courses in Other Departments

- Up to 6 hours of appropriate courses from outside the department may be counted toward the major or minor.

Total Credit Hours: 18

Additional Information:

An overall average of "C" (2.00) or better is required among courses taken to satisfy the requirements of the minor.

Environmental Sciences Minor

Requirements for a Minor in Environmental Sciences:

A minor in environmental sciences requires a total of 24 credit hours with a minimum overall quality point average of “C” (2.00) in courses counted toward the minor.

A maximum of 12 credit hours counted toward a student’s major will be counted toward completion of core and/or elective minor requirements in environmental sciences.

Students selecting the environmental sciences minor are strongly encouraged to meet with an environmental sciences coordinator to determine a specific course of study.

Requirements for a Minor in Environmental Sciences:

A minor in environmental sciences requires a total of 24 credit hours with a minimum overall quality point average of "C" (2.00) in courses counted toward the minor.

A maximum of 12 credit hours counted toward a student's major will be counted toward completion of core and/or elective minor requirements in environmental sciences.

Students selecting the environmental sciences minor are strongly encouraged to meet with an environmental sciences coordinator to determine a specific course of study.

Core Requirements:

Seven hours:

EVS 195 - Introduction to Environmental Sciences

Interdisciplinary introduction to the scope and application of environmental sciences. Emphasis on integrated analysis of environmental principles and discussions centering on current environmental problems. The lab for this course is EVSL 195.

Credit Hours: 3

Additional Restrictions/Requirements: EVS 195 and EVSL 195 may be taken in different semesters.

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

EVSL 195 - Environmental Sciences Lab

Laboratory analysis of environmental principles, resources, and problems. Application of scientific and social principles to solving current environmental problems. This course is the lab for EVS 195.

Credit Hours: 1

Prerequisite or Corequisite Courses: EVS 195
Additional Restrictions/Requirements: EVSL 195 may be taken in the same semester as EVS 195 or in a semester subsequent to EVS 195.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.

EVS 205 - Global Environmental Issues

Interdisciplinary study of contemporary environmental issues at a global scale, such as climate change, human population, biodiversity loss, food and water scarcity, energy, stratospheric ozone depletion, acid rain, and environmental justice. Causes, effects, policy implications, international negotiations, and development of treaties will be examined.

Credit Hours: 3

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

And 8 additional hours selected from:

BIO 366 - Ecology

An introduction to basic ecological principles as they pertain to individual organisms, populations, communities and systems. The lab for this course is BIOL 366.

Credit Hours: 3

Prerequisite Courses: BIO 201 and BIO 202
Course Repeatability: Course may not be repeated.

BIOL 366 - Ecology Laboratory

Introduction to ecological sampling techniques and data analysis. Experience in field sampling, laboratory and computer modeling of sampling approaches, and scientific writing is also included. This course is the lab for BIO 366. This course is the lab for BIO 366.

Credit Hours: 1

Prerequisite or Corequisite Courses: BIO 366
University Studies: Building Competencies/Writing Intensive, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

CHM 377 - Environmental Chemistry

Introduction to the chemistry of air, soil, and natural waters. Processes of environmental degradation, cleanup, and pollution prevention. Selected current topics. The lab for this course is CHML 377.

Credit Hours: 3

Prerequisite Courses: CHM 102 and CHML 102.
Course Repeatability: Course may not be repeated.

CHML 377 - Environmental Chemistry Laboratory

Laboratory analysis of environmental samples, including applications of standard EPA methods. This course is the lab for CHM 377.

Credit Hours: 1

Corequisite Courses: CHM 377
Course Repeatability: Course may not be repeated.

EVS 325 - Environmental Economics

Application of basic economic principles to help understand environmental problems and evaluate alternative solutions. Economic principles used to analyze fundamental environmental issues such as property rights, externalities, conservation, public good, environmental protection, natural resource damage assessment, and pollution control. Specific focus on

methods for non-market valuation.

Credit Hours: 3

Prerequisite Courses: ECN 125 or ECN 221
Crosslisting: ECN 325
Course Repeatability: Course may not be repeated.

EVS 330 - Natural Resource Economics

Economic principles developed and applied to evaluate public and private decisions involving the use and allocation of natural resources. Optimal control theory developed and applied to the management of natural resources. Attention to specific resource management areas such as forests and fisheries. Feasibility of alternatives for public policy.

Credit Hours: 3

Prerequisite Courses: ECN 125 or ECN 221
Crosslisting: ECN 330
Course Repeatability: Course may not be repeated.

EVS 360 - Human Dimensions of Natural Resource Management

Examines the interrelationships between the biological sciences, physical sciences, and social sciences within the human dimensions of natural resource management framework in the context of current environmental issues. Uses contemporary management processes to solve real-world environmental problems.

Credit Hours: 3

Prerequisite Courses: EVS 195
University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors, Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.

EVS 361 - History and Philosophy of Natural Resources Management

Development of natural resources management in the United States. Specific attention to historical development of natural resources management policy, and the philosophical stance of individuals who are instrumental in creation of those policies.

Credit Hours: 3

Prerequisite Courses: EVS 195
Course Repeatability: Course may not be repeated.

EVS 364 - Natural Resource Policy

Existing natural resource laws, institutions and programs are summarized in their historical context and in relation to current natural resource issues. Philosophical underpinnings of policy positions are examined and discussed. Models of policy creation, implementation, and reform, with specific examples focusing on natural resource management.

Credit Hours: 3

Prerequisite Courses: EVS 195 or permission of instructor.
Additional Restrictions/Requirements: Junior or senior standing, or permission of instructor.
Course Repeatability: Course may not be repeated.

Total: 15 hours

Elective Requirements:

Students may select 9 hours of EVS numbered courses at the 300-400 level not used in the core requirements.

Total: 9 hours

European Studies Minor

The College of Humanities, Social Sciences, and the Arts offers an interdisciplinary minor in European studies which focuses on Europe since 1650. The minor provides students with a broad foundation for understanding modern Europe through the study of geography, history, language, and literature. Students complement core requirements with studies in the fine arts, literature, history and civilization, and political science. Students should contact the program coordinator, Dr. Mark Spaulding, for additional information.

Admission Requirements

Current UNCW Undergraduate Students

- See University Admission Requirements

Requirements for a Minor in European Studies

Core Courses (12 Credit Hours)

ENG 370 - European Literature to 1900

A study of representative writers of Europe prior to 1900, such as Boccaccio, Cervantes, LaFayette, Goethe, and Flaubert.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

ENG 371 - European Literature Since 1900

A study of representative writers of Europe after 1900. May include such writers as Hesse, Brecht, Camus, Sartre, and Lorca.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite:

ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

HST 101 - Europe in the World I

Introduction to pre-modern European history, from the development of the first city-states in the Near East, through the rise of Athens and Rome, and concluding with the Middle Ages and Early Modern Period. Specific attention is given to the globally interconnected nature of European history.

Credit Hours: 3

University Studies: Approaches and Perspectives/Historical and Philosophical Approaches, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

HST 394 - Europe in the Age of Absolutism and Enlightenment

Europe from the Thirty Years War to the French Revolution. Topics include mercantilism; social transformation; colonialism; English constitutional government; Scientific Revolution; enlightened despotism, and changing balance of power.

Credit Hours: 3

Additional Restrictions/Requirements: Any HST course or consent of instructor.
Course Repeatability: Course may not be repeated.

HST 396 - Europe from French Revolution to World War I

The French and Industrial Revolutions and their social and political impact; the rise of nationalism and empires; capitalism and its critics; the changing balance of powers and the First World War.

Credit Hours: 3

Additional Restrictions/Requirements: Any HST course or consent of instructor.
Course Repeatability: Course may not be repeated.

HST 398 - Europe in the Age of War and Dictatorship

Europe from the First World War to 1945. Topics include both world wars, Great Depression, nationalisms, communisms and fascisms.

Credit Hours: 3

Additional Restrictions/Requirements: Any HST course or consent of instructor.
Course Repeatability: Course may not be repeated.

And a course in FRH, GER, PRT, or SPN (chosen from offerings numbered 201 or higher, excluding those taught in English and those designated Spanish American or Latin American).

Elective Courses (9 Credit Hours)

Nine additional credits from

ARH 202 - Medieval and Early Modern Art

Study of the major developments in global art, including painting, sculpture, and architecture from the late Medieval through the Early Modern period. Subject,

style, formal qualities, patronage, significance, and the place of works of art in their respective religious, social, and political context.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives
Course Repeatability: Course may not be repeated.

ARH 304 - Northern Renaissance Art

Study of the art in Northern Europe, exclusive of Italy, from 1200 to 1600 A.D. Emphasis on architecture, painting, sculpture, and graphics as related to the history and culture of the period.

Credit Hours: 3

Prerequisite Courses: ARH 201 or ARH 202 or ARH 204
Additional Restrictions/Requirements: Consent of instructor can be given in place of prerequisites.
Course Repeatability: Course may not be repeated.

ARH 305 - Italian Renaissance Art

Study of art in Italy from 1200 to 1600 A.D. Emphasis on architecture, painting, sculpture, and graphics as related to history and culture of the period.

Credit Hours: 3

Prerequisite Courses: ARH 201 or ARH 202 or ARH 204
Additional Restrictions/Requirements: Consent of instructor can be given in place of prerequisites.
University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

ARH 306 - Baroque & Rococo Art

Study of the aesthetic, social, and political dimensions of Baroque and Rococo art from its origins in Europe through its diffusion into the Americas, Africa, and Asia. Focus on visual and material culture characterized by the expanding trade networks, colonization, technological innovations, and religious reform of the global Baroque period.

Credit Hours: 3

Prerequisite Courses: ARH 201 or ARH 202 or ARH 204
Additional Restrictions/Requirements: Consent of instructor can be given in place of prerequisites.
University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

ARH 307 - Nineteenth Century European Art

Study of nineteenth century European art with an emphasis on architecture, painting, sculpture, and graphics as related to European history and culture of the period.

Credit Hours: 3

Prerequisite Courses: ARH 201 or ARH 202 or ARH 204
Additional Restrictions/Requirements: Consent of instructor can be given in place of prerequisites.
Course Repeatability: Course may not be repeated.

ENG 370 - European Literature to 1900

A study of representative writers of Europe prior to 1900, such as Boccaccio, Cervantes, LaFayette, Goethe, and Flaubert.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

ENG 371 - European Literature Since 1900

A study of representative writers of Europe after 1900. May include such writers as Hesse, Brecht, Camus, Sartre, and Lorca.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
University Studies: Approaches and

Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

FRH 209 - French Literature in Translation: Topics

Representative works from the literature of France and the French-speaking world. Readings and class discussions in English. May be repeated under a different subtitle.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

FRH 311 - French Civilization

Examines the cultural history of France from Lascaux to the present with a special emphasis on France's religious and political transformations. May include readings of political speeches and comic books, as well as viewings of films and audio-visual documents.

Credit Hours: 3

Prerequisite Courses: FRH 301 or FRH 302 or FRH

303 or placement by exam
Additional Restrictions/Requirements: Permission of instructor.
University Studies: Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

FRH 321 - Survey of French Literature I

Extensive readings covering the main currents of French literature; emphasis in classroom on textual analysis and criticism; oral and written reports.

Credit Hours: 3

Prerequisite Courses: FRH 301 or FRH 302 or FRH 303 or placement by exam
Additional Restrictions/Requirements: Permission of instructor.
University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives, Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

FRH 322 - Survey of French Literature II

Extensive readings covering the main currents of French literature; emphasis in classroom on textual analysis and criticism; oral and written reports.

Credit Hours: 3

Prerequisite Courses: FRH 301 or FRH 302 or FRH 303 or placement by exam
Additional Restrictions/Requirements: Permission of instructor.
University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives, Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

FRH 385 - Introduction to French Cinema

Analysis of selected films from the silent era to the present, including the 'Golden Age' and the Occupation, the New Wave, Francophone cinema, and recent French cinema. Directors studied include the Lumiere brothers, Melies, Renoir, Truffaut, Malle, and current filmmakers.

Credit Hours: 3

Prerequisite Courses: FRH 301 or FRH 302 or FRH 303 or placement by exam
Additional Restrictions/Requirements: Permission of the instructor.
Course Repeatability: Course may not be repeated.

FST 386 - Introduction to German Cinema

Analysis of films from the "Golden Age" of the Weimar Republic, the Third Reich, the New Wave, East German films, and current German and Austrian cinema. Works by Lang, Riefenstahl, Wenders, Reitz, Fassbinder, von Trotta, and recent films.

Credit Hours: 3

Additional Restrictions/Requirements: Restricted to FST majors or consent of instructor.
Crosslisting: GER 385
Course Repeatability: Course may not be repeated.

FST 387 - Introduction to French Cinema

Analysis of selected films from the silent era to the present, including the classical period, the New Wave,

Francophone cinema, and recent French cinema, situated in their historical contexts.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: FST 205, or permission of instructor.
Course Repeatability: Course may not be repeated.

FST 388 - Introduction to Spanish Cinema

Analysis of representative films by Spanish directors including Luis Buel, Carlos Saura, Pedro Almodar and Bigas Luna, as well as a discussion of recent cinematic works by filmmakers of the younger generation. Films represent a diversity of styles, periods, and genres.

Credit Hours: 3

Additional Restrictions/Requirements: Restricted to FST majors or consent of instructor.
Crosslisting: SPN 385
Course Repeatability: Course may not be repeated.

GER 209 - German Literature in Translation: Topics

Study of representative works of literature from the German-speaking world. Readings and class discussions in English. May be repeated under different subtitles. A maximum of 3 hours can be applied toward the major.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

GER 307 - Text and Context

Not open to native speakers. Introduction to humanistic inquiry and critical thinking through close examination of German literary texts in their broader cultural context. Extensive reading, writing, and discussion. Can be repeated under different subtitles.

Credit Hours: 3

Prerequisite Courses: GER 301

University Studies: Building Competencies/Writing Intensive, Building Competencies/Information Literacy
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

GER 311 - German Civilization

Geographical, historical, political and cultural aspects of Germany from the beginnings to the twentieth century.

Credit Hours: 3

Prerequisite Courses: GER 301
Course Repeatability: Course may not be repeated.

GER 495 - Seminar in German Studies

Intensive study of a selected topic in German Studies. May be repeated under a different subtitle. Possible topics include "Fairy Tales / Marchen", "Legacies of the Enlightenment", and "The German Novella".

Credit Hours: 3

Prerequisite Courses: GER 307

Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

GER 496 - Topics in German Studies

Intensive study of a selected topic in German Studies. Taught by faculty at other UNC-system schools though the NC German Studies Consortium (live video conferencing). May be repeated under a different subtitle. Possible topics include "Goethe's Faust" and "Current Issues in the German Media".

Credit Hours: 3

Prerequisite Courses: GER 307
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

HST 319 - History of Spanish Empire

Survey of Spanish history with particular attention to Early Modern and Modern Periods. The course will cover the Alfonsine era and Reconquista through the Golden Age, decline, Fascism and democracy.

Credit Hours: 3

Additional Restrictions/Requirements: Any HST course or consent of instructor.
Course Repeatability: Course may not be repeated.

HST 321 - History of Modern France

History of France from the French Revolution and Napoleon through the political, economic and social developments of the nineteenth century to the World Wars of the twentieth century.

Credit Hours: 3

Additional Restrictions/Requirements: Any HST course or consent of instructor.
Course Repeatability: Course may not be repeated.

HST 322 - History of Germany 1648-1890

The emergence of modern Germany from the end of the Thirty Years' War through the Bismarckian empire. Topics include the rise of Prussian absolutism, the Enlightenment in Germany, the impact of the French Revolution, Romanticism, the revolutions of 1848, unification, and constitutional problems of the empire.

Credit Hours: 3

Additional Restrictions/Requirements: Any HST course or consent of instructor.
Course Repeatability: Course may not be repeated.

HST 323 - History of Germany 1890-Present

Germany from the end of Bismarck's chancellorship to the present. Topics include World War I, German Expressionism, the failure of Weimar democracy, the rise of the Nazis, defeat and division, rebuilding in East and West, the collapse of communism, and reunification.

Credit Hours: 3

Additional Restrictions/Requirements: Any HST course or consent of instructor.
Course Repeatability: Course may not be repeated.

HST 325 - Russia to 1881

History of Russia from its origins to 1881. Topics include the Mongol Conquest, state building, foreign

policy, popular and intellectual opposition to serfdom.

Credit Hours: 3

Additional Restrictions/Requirements: Any HST course or consent of instructor.
Course Repeatability: Course may not be repeated.

HST 326 - Russia Since 1881

History of Russia from 1881 to the present. Topics include the impact of emancipation, growth of revolutionary movement, revolutions of 1917, the Stalin years, post-Stalin reforms, end of Soviet Union.

Credit Hours: 3

Additional Restrictions/Requirements: Any HST course or consent of instructor.
Course Repeatability: Course may not be repeated.

HST 391 - Europe in the Age of the Renaissance

Political, economic, and social changes during the Renaissance, with particular attention to the artistic and intellectual achievements of the age.

Credit Hours: 3

Additional Restrictions/Requirements: Any HST course or consent of instructor.
Course Repeatability: Course may not be repeated.

HST 392 - Europe in the Age of Reformation

Causes and development of the Protestant and the Catholic Reformations with examination of the impact of these movements on the political, economic, and social institutions of early modern Europe.

Credit Hours: 3

Additional Restrictions/Requirements: Any HST course or consent of instructor.
Course Repeatability: Course may not be repeated.

HST 394 - Europe in the Age of Absolutism and Enlightenment

Europe from the Thirty Years War to the French Revolution. Topics include mercantilism; social transformation; colonialism; English constitutional

government; Scientific Revolution; enlightened despotism, and changing balance of power.

Credit Hours: 3

Additional Restrictions/Requirements: Any HST course or consent of instructor.
Course Repeatability: Course may not be repeated.

HST 396 - Europe from French Revolution to World War I

The French and Industrial Revolutions and their social and political impact; the rise of nationalism and empires; capitalism and its critics; the changing balance of powers and the First World War.

Credit Hours: 3

Additional Restrictions/Requirements: Any HST course or consent of instructor.
Course Repeatability: Course may not be repeated.

HST 399 - Europe Since 1945

Europe from the end of the Second World War to the present. Topics include the welfare state, decolonization, the 1960s, consumer society, the origins and end of the Cold War, and European integration.

Credit Hours: 3

Additional Restrictions/Requirements: Any HST course or consent of instructor.
Course Repeatability: Course may not be repeated.

HST 398 - Europe in the Age of War and Dictatorship

Europe from the First World War to 1945. Topics include both world wars, Great Depression, nationalisms, communisms and fascisms.

Credit Hours: 3

Additional Restrictions/Requirements: Any HST course or consent of instructor.
Course Repeatability: Course may not be repeated.

HST 412 - Seminar: Renaissance and Reformation Europe

Research-oriented exploration of major themes and issues in the history of Renaissance and Reformation Europe (1350-1618). May be repeated under a different subtitle.

Credit Hours: 3

Prerequisite Courses: (HST 102 or HST 101) and HST 290
Additional Restrictions/Requirements: Prerequisite courses or consent of instructor.
University Studies: Building Competencies/Writing Intensive, Common Requirements/Critical Reasoning
Crosslisting: HST 552
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

HST 414 - Seminar: Early Modern Europe

Research-oriented exploration of major themes and issues in the history of Early Modern Europe (1618-1789). May be repeated under a different subtitle.

Credit Hours: 3

Prerequisite Courses: (HST 102 or HST 101) and HST 290
Additional Restrictions/Requirements: Prerequisite courses or consent of instructor.
University Studies: Building Competencies/Writing Intensive, Common Requirements/Critical Reasoning
Crosslisting: HST 554
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

HST 416 - Seminar: Nineteenth-Century Europe

Research-oriented exploration of major themes and issues in the history of Europe from the French Revolution to the First World War. May be repeated under a different subtitle.

Credit Hours: 3

Prerequisite Courses: (HST 102 or HST 101) and HST 290
Additional Restrictions/Requirements: Prerequisite courses or consent of instructor.

University Studies: Building Competencies/Writing Intensive, Common Requirements/Critical Reasoning
Crosslisting: HST 556
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

HST 418 - Seminar: Twentieth-Century Europe

Research-oriented exploration of major themes and issues in the history of Europe since 1914. May be repeated under a different subtitle.

Credit Hours: 3

Prerequisite Courses: (HST 102 or HST 101) and HST 290
Additional Restrictions/Requirements: Prerequisite courses or consent of instructor.
University Studies: Building Competencies/Writing Intensive, Common Requirements/Critical Reasoning
Crosslisting: HST 558
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

INT 311 - Film and the Feminine Ideal in Post Communist Eastern and Central European Cinema

An introduction to gender in transitional societies, politics, and economics through the medium of film with a focus on Post Communist Eastern and Central European women.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

INT 340 - Topics in Europe

Intensive study of a selected topic or theme about Europe. May be repeated under different subtitles.

Credit Hours: 3

Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

MUS 351 - Introduction to Music History I: Middle ages - Classical Periods

Overview of music history and literature, stressing the stylistic developments of music and related social and historical events of the Middle Ages, Renaissance, Baroque and Classical periods.

Credit Hours: 3

Prerequisite Courses: MUS 150
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
University Studies: Approaches and Perspectives/Historical and Philosophical Approaches, Building Competencies/Writing Intensive, Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

MUS 352 - Introduction to Music History II: Romantic-Contemporary Periods

Overview of music history and literature, stressing the stylistic developments of music and related social and historical events of the Romantic and Contemporary periods.

Credit Hours: 3

Prerequisite Courses: MUS 150
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
University Studies: Approaches and Perspectives/Historical and Philosophical Approaches, Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

PAR 202 - Modern Philosophy: Descartes to Kant

Introduction to the major topics of Western philosophy during the modern period, including skepticism, the existence of God, and the source of our ideas. Analysis of the thought of philosophers such as Descartes, Elizabeth of Bohemia, Locke, Berkeley, Leibniz, Hume, and Kant.

Credit Hours: 3

University Studies: Approaches and

Perspectives/Historical and Philosophical Approaches, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

PAR 213 - Existentialism

An introduction to major themes in existential thought such as freedom, authenticity, death of God, the meaning of life. Primary source readings from existential authors, e.g., Kierkegaard, Nietzsche, Heidegger, Sartre, Marcel.

Credit Hours: 3

University Studies: Approaches and Perspectives/Historical and Philosophical Approaches
Course Repeatability: Course may not be repeated.

PAR 240 - Religion, Race, and Social Justice

Exploration of race and racism in the United States through theoretical, historical, political and religious constructions during slavery, colonialism, and Jim-Crowism. Examination of white supremacy, anti-Black oppression, the resistance to racism, and impacts on contemporary social life.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in a Diverse Nation
Course Repeatability: Course may not be repeated.

PLS 314 - Modern Political Thought

Critical examination of political ideas from 1500 to 1900 with special attention to those of Machiavelli, Hobbes, Locke, Rousseau, Montesquieu, Hume, Burke, Hegel, Bentham, Marx, the Mills, Spencer, T.H. Green and Nietzsche.

Credit Hours: 3

Prerequisite Courses: PLS 212
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

PLS 335 - European Political Systems

Political institutions and processes of selected European countries, including Great Britain, France

and Germany.

Credit Hours: 3

Prerequisite Courses: PLS 230
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

PLS 336 - Russian and Post-Soviet Political Systems

Comparative study of the political institutions and processes of Russia and the eastern European Countries. Post-Soviet dynamics and the nature and significance of contemporary changes.

Credit Hours: 3

Prerequisite Courses: PLS 230
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

PLS 427 - International Organizations

Survey of the evolution, objectives and methods of various types of regional and universal organizations and their role in contemporary international relations. Special emphasis will be placed on the principal functions and agencies of the United Nations and the European economic community.

Credit Hours: 3

Prerequisite Courses: PLS 220
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

SPN 311 - Spanish Civilization

Geographical, historical and cultural aspects of Spain.

Credit Hours: 3

Prerequisite Courses: SPN 305 with a minimum grade of C
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SPN 321 - Introduction to Spanish Literature

Selected readings covering the main currents of Spanish literature; emphasis on textual analysis and criticism in classroom discussions; oral and written reports.

Credit Hours: 3

Prerequisite Courses: SPN 305 with a minimum grade of C
University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SPN 385 - Introduction to Spanish Cinema

Analysis of representative films by Spanish directors including Luis Buel, Carlos Saura, Pedro Almodar and Bigas Luna, as well as a discussion of recent cinematic works by filmmakers of the younger generation. Films represent a diversity of styles, periods and genres. Course conducted in English.

Credit Hours: 3

Crosslisting: FST 388
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SPN 411 - Topics in Spanish Civilization

Advanced study in geographical, historical, and cultural aspects of Spain. Topics focus on specific time periods, geographic areas, or cultural phenomena. May be repeated under a different subtitle.

Credit Hours: 3

Prerequisite Courses: SPN 311 with a grade of 'C' or better.
University Studies: Building Competencies/Writing Intensive, Building Competencies/Information Literacy
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6 **Repeat Limit:** 1

SPN 421 - Topics in Spanish Literature

Study of representative Spanish authors, literary movements, and genres.

Credit Hours: 3

Prerequisite Courses: SPN 321 with a grade of 'C' or better.
University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives, Building Competencies/Writing Intensive, Building Competencies/Information Literacy
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6 **Repeat Limit:** 1

THR 322 - A Social History of Western Theatre II

Development of theatre and drama from the late Renaissance to World War II. Emphasis on theatrical performance including staging, architecture, dramatic literature and audiences.

Credit Hours: 3

Prerequisite Courses: THR 165
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

- approved Study Abroad courses taken in Europe

Total Credit Hours: 21

Additional Information

A "C" (2.00) or better average is required for all courses counted toward the minor in European studies. Courses being counted toward a major cannot be counted toward completion of minor requirements.

Evolutionary Studies Minor

The interdisciplinary minor in Evolutionary Studies provides students with an understanding of the integrated study of evolution across disciplines. This minor will allow students to study the evolution of life from the perspective of different scientific disciplines, as well as to think about its significance in relation to human life and culture, including our philosophical, religious, historical, artistic and literary modes of reflection. This approach will stimulate students' abilities to recognize multiple viewpoints concerning evolution and to consider how and to what extent these perspectives complement or compete with one another. A minimum of 18 hours is required to complete the minor.

This minor will be especially relevant for students who want to integrate natural sciences, behavioral sciences

and humanities approaches in the study of evolution; for those aspiring to teach science courses in high school; and for those desiring to learn more about contemporary evolutionary theory cross disciplines. Students from a diversity of majors will demonstrate a foundational knowledge of the basic principles of evolutionary theory and apply them to more than one discipline.

Evolutionary Studies Core

Three of the following classes are required for the core. Three disciplines must be represented.

ANT 210 - Biological Anthropology

Introduction to the study of human evolution. A dynamic exploration of nonhuman primates, fossilized human ancestors, and human biology. Examines the intersection of biology and culture.

Credit Hours: 3

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural

World
Course Repeatability: Course may not be repeated.

BIO 105 - Concepts of Modern Biology

Introduction to the diversity of life and the principles governing living systems, focusing on the role of humans in the natural world. Designed for the non-biology major. Employs multi-media instructional materials. The lab for this course is BIOL 105.

Credit Hours: 3

Prerequisite or Corequisite Courses: BIOL 105
University Studies: Building Competencies/Information Literacy, Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

BIO 202 - Principles of Biology: Biodiversity

Evolution, classification, and diversity of life, stressing morphology, physiology, principles of adaptation, and relationships between biotic and abiotic components of ecosystems. The lab for this course is BIOL 202.

Credit Hours: 3

Prerequisite or Corequisite Courses: BIOL 202
University Studies: Building Competencies/Information Literacy, Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

GLY 135 - Prehistoric Life

Introduction to the field of paleontology and the fossil record; the succession of life from its earliest beginnings through the Age of Dinosaurs to modern Man; evolutionary, environmental and ecological analyses of fossil plants and animals based on biologic and geologic principles.

Credit Hours: 3

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

PSY 257 - Evolutionary Psychology

Consideration of the evolution and adaptive significance of behavior in humans, including such topics as mate selection, parental care, cognition, language, altruism, aggression, warfare, and creativity.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

Electives

In addition to the core courses taken above, nine additional hours of electives are required. At least six hours must be at the 300-400 level. At least two different disciplines must be represented. A course taken in the core cannot be taken in the electives.

ANT 210 - Biological Anthropology

Introduction to the study of human evolution. A dynamic exploration of nonhuman primates, fossilized human ancestors, and human biology. Examines the intersection of biology and culture.

Credit Hours: 3

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

ANT 320 - Human Origins

Classification and history of human evolution deduced from the fossil record and molecular data. Discussion of Tertiary hominoids and emergence of humans with emphasis on Australopithecines and later Pleistocene hominins.

Credit Hours: 3

Prerequisite Courses: ANT 210
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

ANT 322 - Primate Biology & Behavior

Ecology, social behavior, and functional morphology and classification of living primates (prosimians, monkeys, and apes); their evolutionary history and

development.

Credit Hours: 3

Prerequisite Courses: ANT 210
Additional Restrictions/Requirements: Prerequisite course, or consent of instructor.
Course Repeatability: Course may not be repeated.

ANT 324 - Human Biological Variation

Nature and extent of heritable differences among human populations in evolutionary perspective. Consideration of effects of environmental factors on genic expression.

Credit Hours: 3

Prerequisite Courses: ANT 210
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
University Studies: Building Competencies/Information Literacy, Building Competencies/Information Literacy, Building Competencies/Writing Intensive, Common

Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

ANT 325 - Human Growth and Development

Human growth and development from an evolutionary perspective. Topics to be addressed include differences and similarities in primate life histories, uniqueness of particular human life history traits, and the evolution of human development as traced through the fossil record. Relationships among growth, development, and health will be explored.

Credit Hours: 3

Prerequisite Courses: ANT 210
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

ANT 430 - Evolutionary Biology

Advanced survey of organizational principles of the genetic apparatus of prokaryotes and eukaryotes. Emphasis of the course directed to critical evaluation of current concepts and models of evolutionary dynamics

using relevant illustrative examples from the literature.

Credit Hours: 3

Prerequisite Courses: BIO 335
Crosslisting: BIO 430
Course Repeatability: Course may not be repeated.

BIO 105 - Concepts of Modern Biology

Introduction to the diversity of life and the principles governing living systems, focusing on the role of humans in the natural world. Designed for the non-biology major. Employs multi-media instructional materials. The lab for this course is BIOL 105.

Credit Hours: 3

Prerequisite or Corequisite Courses: BIOL 105
University Studies: Building Competencies/Information Literacy, Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

BIO 202 - Principles of Biology: Biodiversity

Evolution, classification, and diversity of life, stressing morphology, physiology, principles of adaptation, and relationships between biotic and abiotic components of ecosystems. The lab for this course is BIOL 202.

Credit Hours: 3

Prerequisite or Corequisite Courses: BIOL 202
University Studies: Building Competencies/Information Literacy, Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

BIO 335 - Genetics

Principles of Mendelian inheritance, gene action and molecular genetics, and population genetics. The lab for this course is BIOL 335.

Credit Hours: 3

Prerequisite Courses: BIO 201 and BIO 202
Course Repeatability: Course may not be repeated.

BIO 368 - Behavioral Ecology

Evolutionary approach focusing on both proximate and ultimate causes of behavior. Feeding and antipredatory behavior, habitat selection, territoriality, reproductive behavior, mating systems, parental care, animal communication, and the evolution of social behavior. Emphasis on birds, mammals, and fish.

Credit Hours: 3

Prerequisite Courses: BIO 201 and BIO 202 and BIO 366
Course Repeatability: Course may not be repeated.

BIO 370 - Evolutionary Medicine

The scientific study of evolutionary principles as they apply to human health and disease. Topics include antibiotic resistance, pathogen virulence, aging, cancer, autoimmune disease, obesity, and mental illness.

Credit Hours: 3

Prerequisite Courses: BIO 201 and BIO 202.
Course Repeatability: Course may not be repeated.

BIO 430 - Evolutionary Biology

Study of biological change over time through pathways of descent and through adaptation, including how biological diversity, from molecular through organismal levels, originates and is maintained. Focus on modern evolutionary analysis and applications in medicine, agriculture, and conservation.

Credit Hours: 3

Prerequisite Courses: BIO 335
Crosslisting: ANT 430
Course Repeatability: Course may not be repeated.

BIO 475 - Plant Systematics

An introduction to identification, classification, and nomenclature of vascular plants with emphasis on the flora of southeastern North Carolina.

Credit Hours: 4

Prerequisite Courses: BIO 201 and BIO 202
Course Repeatability: Course may not be repeated.

ENG 313 - Writing About Science, Medicine, and the Environment

Exploration of scientific discourse focusing on analyzing scientific texts and rewriting scientific and technical information for a variety of audiences. Includes the development of relevant research skills.

Credit Hours: 3

University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

ENG 393 - Writing in the Scientific Disciplines

Rigorous introduction to writing for academic science contexts. Critically examines the current state of academic science writing and explores the multiple practical strategies scientists use to communicate in professional settings.

Credit Hours: 3

University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

GLY 132 - The Earth Through Time

Geologic history of the earth and the fossil record. Methods of dating rocks and fossils, interpreting ancient environments and the age of the earth. Field trips.

Credit Hours: 4

Prerequisite Courses: GLY 101 or GLY 120 or GGY 130.
Course Repeatability: Course may not be repeated.

GLY 135 - Prehistoric Life

Introduction to the field of paleontology and the fossil record; the succession of life from its earliest beginnings through the Age of Dinosaurs to modern Man; evolutionary, environmental and ecological analyses of fossil plants and animals based on biologic and geologic principles.

Credit Hours: 3

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural

World
Course Repeatability: Course may not be repeated.

GLY 337 - Invertebrate Paleontology

History of fossil protistans and invertebrates with emphasis on the principles of paleontology, systematics and evolution, and on the use of fossils in stratigraphic correlation. Required field trips. Two lecture and two laboratory hours each week.

Credit Hours: 3

Prerequisite Courses: GLY 132
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
University Studies: Building Competencies/Writing Intensive, Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

HST 112 - History of Science II: Modern Science

Growth and development of modern science. Topics include Darwin's theory of evolution, Einstein's special and general relativity, quantum mechanics, wartime science, the discovery of DNA, and the impact of

science and technology on modern society.

Credit Hours: 3

University Studies: Approaches and Perspectives/Historical and Philosophical Approaches
Course Repeatability: Course may not be repeated.

PAR 211 - Philosophy of Human Nature

A survey and evaluation of past and present theories of human nature; to include such topics as nature and culture, freedom and rationality, issues in gender identity, and theories of education and human development.

Credit Hours: 3

University Studies: Approaches and Perspectives/Historical and Philosophical Approaches, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

PAR 360 - Philosophy of Evolution

Examination of philosophical issues found in the study of evolution: origins of the theory; impact on science; methodology of Darwinian and contemporary evolutionary studies; concepts of species, natural selection and adaptation and its mechanisms; application of evolutionary theory of human culture; and debates over creationism and sociobiology.

Credit Hours: 3

Prerequisite Courses: PAR 101
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

PSY 257 - Evolutionary Psychology

Consideration of the evolution and adaptive significance of behavior in humans, including such topics as mate selection, parental care, cognition, language, altruism, aggression, warfare, and creativity.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

PSY 457 - Animal Behavior

Animal behavior including the traditional areas of ethology and comparative psychology. Primary emphasis is upon the similarities and differences in the behaviors of animals occupying various phylogenetic positions.

Credit Hours: 3

Prerequisite Courses: PSY 256 or PSY 257 or BIO 105 or BIO 202
Additional Restrictions/Requirements: Prerequisite courses or consent of instructor.
Course Repeatability: Course may not be repeated.

Total: 18 hours

Forensic Science Minor

The College of Humanities, Social Sciences, and the Arts offers an interdisciplinary minor in forensic science. The minor affords students the opportunity to gain foundation-level exposure to the various sciences from which forensic applications are derived. Students will acquire broad-based knowledge and skills in a

combination of areas such as biology, chemistry, anthropology, criminology and sociology. The minor is designed to prepare students for future graduate education and/or on the job training in specialized fields within forensic science; examples include but are not limited to search and recovery of human remains, human identification, crime scene investigation, evidence collection and/or laboratory analyses.

Admission Requirements

Current UNCW Undergraduate Students

- See University Admission Requirements

Requirements for a Minor in Forensic Science

A minor in forensic science requires 21 hours, distributed as one 3-hour core course, and 18 hours of electives including at least one course in each of two groups (Group 1: Hard Sciences, and Group 2: Social and Behavioral Sciences.

Core Course (3 Credit Hours)

FSC 211 - Fundamentals of Forensic Science

Survey of theories, methods, techniques and applications of various forensic science disciplines. Topics include but are not limited to: crime scene and death investigation; body identification; forensic biology and chemistry; pattern, trace, and imprint evidence analysis; and forensic behavioral science.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.

Elective Courses (18 Credit Hours)

Group 1: Natural Sciences

FSC 212 - Forensic Science Methods

Introduction to laboratory methods and analysis in the forensic sciences. Topics include: processing evidence and crime scenes, fingerprinting, DNA, blood spatter, fiber and hair analysis, impression evidence, fractography and glass, autopsy, time since death estimation, body identification, questioned documents,

arson, toxicology, and firearm analysis.

Credit Hours: 3

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World, Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.

BIO 240 - Human Anatomy and Physiology I

Lecture must be taken concurrent with BIOL 240 . An introduction to the human organism with particular emphasis on maintenance of an internal steady state. Tissues, musculoskeletal, nervous, and endocrine systems are stressed. The lab for this course is BIOL 240.

Credit Hours: 3

Corequisite Courses: BIOL 240.
Prerequisite Courses: BIO 201 and CHM 101 and CHML 101.
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural

World
Course Repeatability: Course may not be repeated.

BIO 241 - Human Anatomy and Physiology II

A comprehensive study of human organ systems as relates to the maintenance of homeostasis. Topics include cardiovascular, respiratory, digestive, urinary, and reproductive systems. The lab for this course is BIOL 241.

Credit Hours: 3

Corequisite Courses: BIOL 241
Prerequisite Courses: BIO 240
Course Repeatability: Course may not be repeated.

BIO 335 - Genetics

Principles of Mendelian inheritance, gene action and molecular genetics, and population genetics. The lab for this course is BIOL 335.

Credit Hours: 3

Prerequisite Courses: BIO 201 and BIO 202
Course Repeatability: Course may not be repeated.

BIOL 335 - Genetics Laboratory

This course examines major genetic concepts and relationships between those concepts. Students will design, execute, and interpret experiments relating DNA to phenotype and investigate genetic interactions in metabolic pathways. Students will analyze and present experimental results, incorporating relevant literature and information from large-scale public genome repositories. This course is the lab for BIO 335.

Credit Hours: 1

Prerequisite Courses: Prerequisite or corequisite: BIO 335.
University Studies: Building Competencies/Writing Intensive, Building Competencies/Information Literacy, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

BIO 465 - Biochemistry

Chemical properties and metabolism of amino acids, proteins, carbohydrates, lipids, and nucleic acids; enzymes kinetics; bioenergetics regulatory mechanisms. The lab for this course is BIOL 465.

Credit Hours: 3

Prerequisite Courses: BIO 201 and BIO 202 and CHM 211
Additional Restrictions/Requirements: Junior or senior standing.
Course Repeatability: Course may not be repeated.

BIOL 465 - Biochemistry Laboratory

Experiments demonstrating basic phenomena and techniques of biochemistry. This course is the lab for BIO 465.

Credit Hours: 1

Prerequisite Courses: Prerequisite or corequisite: BIO 465.
Course Repeatability: Course may not be repeated.

CHM 365 - Biochemistry I

The structures of macromolecules, amino acids and vitamins, and the chemical principles governing their actions. Solution properties of macromolecules, enzyme kinetics and mechanisms, and metabolic regulation, emphasizing organic/physical chemistry. Basics of nucleic acids and biological transfer information.

Credit Hours: 3

Prerequisite Courses: BIO 201 and CHM 212.
University Studies: Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

CHML 365 - Biochemistry Laboratory

Theory and practice of biochemical techniques. Topics may include protein assays, protein purification, electrophoresis, enzyme kinetics, HPLC or proteins, buffers and pH, DNA isolation, and molecular visualization and modeling.

Credit Hours: 2

Prerequisite or Corequisite Courses: CHM 365.
Prerequisite Courses: CHML 212.
Course Repeatability: Course may not be repeated.

CHM 380 - Forensic Chemistry

Theory and applications of trace organics and metals analyses, fiber and polymer analyses, toxicology, serology, drug and DNA chemistry, fingerprinting techniques, and chain of custody procedures. The optional 3-hour laboratory (CHML 380) may be registered for separately.

Credit Hours: 3

Prerequisite Courses: CHM 211 and CHML 211
Course Repeatability: Course may not be repeated.

CHML 380 - Forensic Chemistry Laboratory

Laboratory techniques in forensic chemistry, including analyses of trace organics, metals and analyses, fibers and polymers; toxicology; serology; drug and DNA chemistry; fingerprinting; and chain of custody procedures.

Credit Hours: 1

Prerequisite or Corequisite Courses: CHM 380.
Prerequisite Courses: CHM 211 and CHML 211.
Course Repeatability: Course may not be repeated.

CHM 417 - Medicinal Chemistry

Study of the principles involved in, and the multidisciplinary nature of, modern drug design. Focus on chemical and biological principles that are fundamental to medicinal chemistry and on understanding how and why certain chemicals interact at biological targets.

Credit Hours: 3

Prerequisite or Corequisite Courses: CHM 365 or BIO 465
Prerequisite Courses: CHM 212
Crosslisting: CHM 517
Course Repeatability: Course may not be repeated.

CHM 466 - Biochemistry II

Examination of bioenergetics, structure and function of biomembranes, biosynthesis, degradation of fatty acids, amino acids, and nucleotides, integration of metabolism, signal transduction, and the action of hormones. Consideration of the structure and enzymology of DNA and RNA, genetic information, protein biosynthesis, and gene regulation.

Credit Hours: 3

Prerequisite Courses: CHM 365 or BIO 465.
Course Repeatability: Course may not be repeated.

Group 2: Social and Behavioral Sciences

ANT 214 - Forensic Anthropology

Study of the role of human identification in the forensic sciences. Topics include: the history of forensic anthropology in the US; procedures for the search and recovery of human remains; methods of identification from the skeleton; trauma analyses, manners of death; time since death estimations; and the integration of other forensic science disciplines and techniques with human identification.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.

ANT 326 - Human Osteology

The human skeleton focusing on bone biology and skeletal anatomy. Topics include: techniques to examine and measure bones, methods for the estimation of age, sex, ancestry and stature, analyses of pathology (disease and trauma). Topics presented within the context of specialized areas of physical anthropology, such as skeletal biology, paleodemography, and forensic anthropology. The lab for this course is ANTL 326.

Credit Hours: 0 Or 3

Corequisite Courses: ANTL 326
University Studies: Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

ANTL 326 - Human Osteology Lab

The application of concepts, techniques, and methodologies to actual skeletal materials. This course is the lab for ANT 326.

Credit Hours: 1

Corequisite Courses: ANT 326
Course Repeatability: Course may not be repeated.

CRM 255 - Criminology

May not be taken for credit if student has already completed SOC 256 or CRM 256. The scientific study of the nature, extent, correlates and etiology of crime, with an emphasis on sociological theories of crime. Topics include crimes against persons and property, public order crimes, and both informal and formal reactions to crime.

Credit Hours: 3

Prerequisite Courses: CRM 105or SOC 105
University Studies: Approaches and Perspectives/Understanding Human Institutions and

Behaviors
Crosslisting: SOC 255
Course Repeatability: Course may not be repeated.

CRM 320 - Criminal Courts

Analysis of structure and function of U.S. criminal courts. Examines relationships among the courthouse work-group (police, prosecutor, defense attorney, judge) and the role of witnesses, victims, defendants and jurors.

Credit Hours: 3

Prerequisite Courses: CRM 105
Course Repeatability: Course may not be repeated.

CRM 380 - Criminal Law

Basic concepts of statutory and common law. Topics include: definition of crime; elements of major crimes; criminal responsibility; defenses to criminal charges; inchoate and group criminality; and limitations of the criminal law. Special focus on North Carolina law.

Credit Hours: 3

Prerequisite Courses: CRM 105
Additional Restrictions/Requirements: Prerequisite course plus 3 additional hours in CRM.
Course Repeatability: Course may not be repeated.

CRM 381 - Criminal Procedure

Basic concepts of procedural law. Topics include the nationalization of the Bill of Rights, searchers, seizures, probable cause, warrants, arrest, self-incrimination, right to counsel, and double jeopardy.

Credit Hours: 3

Prerequisite Courses: CRM 105
Additional Restrictions/Requirements: Prerequisite course and 3 additional hours in CRM.
Course Repeatability: Course may not be repeated.

FSC 213 - Forensic Skeletal Identification

Skeletal elements are a common form of evidentiary material having medicolegal significance within the forensic sciences. This course provides detailed instruction on the major bones and features of the

human skeleton, including dentition. It covers methods and techniques of analysis to identify bones and bone fragments. Applied learning exercises foster discernment skills in recognizing human skeletal material apart from intact and fragmentary nonhuman bones and teeth.

Credit Hours: 3

University Studies: Critical Reasoning
Course Repeatability: Course may not be repeated.

INT 318 - Transitional Justice

An overview of the major theories of transitional justice that considers the range of processes and mechanisms available. Examines the legacies of human rights abuses through the exploration of the field's most emblematic case studies from a number of countries, such as South Africa, Rwanda, Argentina, Chile, and Bosnia Herzegovina.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

INT 362 - International Human Rights

Examination of basic human rights principles, instruments and institutions, and an overview of current issues and debates in practical and political dynamics of human rights. Takes a multi-disciplinary approach, drawing together contributions from political and social scientists, philosophers, lawyers, and policy experts and makes extensive use of case studies to illustrate key points.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

PAR 215 - Medical Ethics: Life and Death Decisions in Health Care

Examination of the principles and problems in the application of ethical theory to medical research and practice.

Credit Hours: 3

University Studies: Approaches and

Perspectives/Historical and Philosophical Approaches
Course Repeatability: Course may not be repeated.

PSY 247 - Abnormal Psychology

An introduction to the symptoms and sequelae of behavioral disorders and major theories of the science of psychopathology or abnormal psychology.

Credit Hours: 3

Prerequisite Courses: PSY 105
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

PSY 275 - Forensic Psychology

Investigation of psychological factors relevant to the legal system including: eyewitness identification and false memories, confessions, jury decision making, the insanity defense and mental health law, expert psychological testimony in court, criminal profiling, risk management, treatment of the mentally ill in corrections.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

Total Credit Hours: 21

Additional Information:

Some 400-level courses focusing on forensic science, such as Directed Independent Study, seminars, or honors work, may substitute for elective courses if approved by the coordinator. Students must have at least a "C" (2.00) average in all courses counted for the minor. Many courses listed above have prerequisites and or co-requisites, which do not count for the minor but may satisfy University Studies requirements or other major requirements.

French Minor

Admission Requirements

Current UNCW Undergraduate Students

- See University Admission Requirements

Requirements for a Minor in French

Completion of a minimum of 18 semester hours at the 200 level and above, excluding FRH 209. Of these, at least 9 hours must be at the 300 level or higher.

Courses (9 Credit Hours)

9 Credit Hours at 200 level or above.

Courses (9 Credit Hours)

at least 9 credit hours must be at the 300 level or higher.

Total Credit Hours: 18

Additional Information

A grade of 'C-' or better is required in each course counted toward the minor.

Game Engineering Minor

The Game Engineering minor prepares students to design and program within game engines through the study of game theory, graphics, physics, and real time programming. Skills developed within this minor can be applied to gaming, visual effects, and simulation industries. This minor builds on computing and math

coursework completed through other majors and minors.

An overall quality point average of "C" (2.00) or better is required for all courses counted toward the minor.

Geology Minor

The geology minor focuses on scientific study of Earth. This includes common rocks and minerals, geologic processes that form and alter the Earth, and key events in Earth history.

Requirements for a Minor in Geology:

GLY 101 - Earth Revealed

An introduction to Geology covering fundamental topics including plate tectonics, geologic time, and Earth materials with emphasis on how geology affects the natural environment, controls distribution of natural resources, and poses risks to humans. Contemporary issues covered include natural resource use (water, energy), geohazards, coastal processes, and climate change.

Credit Hours: 3

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World, Living in a Global Society
Course Repeatability: Course may not be repeated.

GLYL 101 - Earth Revealed Laboratory

Introduction to applied use of rock and mineral samples, maps, and models in geology. Topics include plate tectonics, mineral and rock identification and resources, geologic time, mountain building, earthquakes, volcanoes, river processes and flooding, groundwater, coastal processes and storms, energy, and climate change.

Credit Hours: 1

Prerequisite or Corequisite Courses: GLY 101.
University Studies: Approaches and Perspectives: Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

or

GLY 120 - Environmental Geology

Introduction to the relationships between man and his geologic environment. Concerned with the problems that people have in using the earth and the reaction of the earth to that use. Emphasis is placed on earth processes, earth resources, and properties of rocks and surficial deposits insofar as they are important to or affect human activities. The lab for this course is GLYL 120.

Credit Hours: 3

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

GLYL 120 - Environmental Geology Lab

Laboratory analysis of earth materials and resources. Applications of geologic principles to solving current environmental problems. This course is the lab for GLY 120.

Credit Hours: 1

Prerequisite Courses: Prerequisite or corequisite: GLY 120.
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

GLY 132 - The Earth Through Time

Geologic history of the earth and the fossil record. Methods of dating rocks and fossils, interpreting ancient environments and the age of the earth. Field trips.

Credit Hours: 4

Prerequisite Courses: GLY 101 or GLY 120 or GGY 130.
Course Repeatability: Course may not be repeated.

GLY 201 - Mineralogy

Introduction to the formation, chemistry, symmetry, structure and natural occurrence of minerals. Principles of physical properties, crystal chemistry,

crystallography, and mineral genesis. Study of the geologically important rock-forming mineral groups and associations. Introduction to optical mineralogy and the use of the petrographic microscope. Computer applications in geology. Required field trip(s).

Credit Hours: 4

Prerequisite Courses: Prerequisite:GLY 101 or GLY 120 and GLYL 120 or GGY 130. Prerequisite or corequisite: CHM 101 and CHML 101.
Course Repeatability: Course may not be repeated.

GLY 390 - Field Methods in Geosciences

Applied study of geological materials and processes in field settings. Introduction to methods and techniques used in the geosciences including field measurement, sample retrieval and data analysis. Colloquium and required field trips.

Credit Hours: 2

Prerequisite Courses: GLY 132
Additional Restrictions/Requirements: Prerequisite

course or consent of instructor.
University Studies: Explorations Beyond the Classroom, Common Requirements/Critical Reasoning
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 4 **Repeat Limit:** 2
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

- 9 additional hours of GLY above 299.

Total: 23 hours

Additional Information:

A "C" (2.00) or better average is required on all courses taken within the department and "C" (2.00) or better average on all required courses above the 199 level in the department.

Geospatial Technologies Minor

The Geospatial Technologies minor is designed to provide students with training in the applied skills and theory of geospatial science including, but not limited to: geographic information systems, remote sensing, autonomous and semi-autonomous vehicles and their associated sensors. The minor is an excellent accompaniment to a wide range of science, humanities,

health, and business majors where spatiotemporal variations in one or more variables are of interest.

Requirements for a Minor in Geospatial Technologies:

Requires a minimum of 21 credit hours including 9 hours of core courses and 12 hours of electives. At least 6 hours of electives must be in courses at the 300 level or above.

Required Core Courses:

GGY 215 - The Digital Globe

Introduction to the maps, data, and methods commonly used by geographers to investigate spatial relationships from local to global scales. Includes the examination of geography as a discipline whereby human and physical environments are spatially explored.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in a Global Society, Building

Competencies/Information Literacy, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

GGY 220 - Cartography and Data Visualization

Introduction to fundamental cartographic and geospatial data visualization principles that provide students the ability to describe, generate, and evaluate relevant products (maps, graphs, charts). The course uses examples from physical geography and human landscapes to practice the principles defined in the Essential Body of Knowledge used in geospatial professions.

Credit Hours: 3

Prerequisite Courses: GGY 130 or GGY 101
University Studies: Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

GGY 321 - Introduction to Geographic Information Systems

Introduces fundamental concepts and principles of Geographic Information Systems (GIS). Tools, functions, and capabilities of GIS desktop software (e.g. ArcGIS or QGIS) are explained and used to visualize and manipulate geospatial data.

Credit Hours: 3

Prerequisite Courses: GGY 130 or GGY 215 or GLY 101 or GLY 120 or OCN 150 or EVS 195 or EGN 102.
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

GGY 322 - Introduction to Remote Sensing

Theory and application of remote sensing techniques and software applications for environmental sciences, geography, earth sciences, hydrology, archaeology, forestry, and public health. Includes satellite data collection, digital image processing, multispectral image analysis, introduction to thermal infrared and microwave data through laboratory exercises. Students work in small groups to apply remote sensing concepts to solve complex problems. Two lecture and two

laboratory hours each week.

Credit Hours: 3

Prerequisite Courses: GGY 130 or GGY 215 or GLY 101 or GLY 120 or OCN 150 or EVS 195 or consent of instructor.
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

Total: 9 credits

Additional Information:

If a student completes both GGY 215 and GGY 220, GGY 215 will count toward the core requirements and GGY 220 will count as an elective.

Electives:

At least 6 hours at 300-level or above selected from the following:

ANT 311 - Field Methods in Archaeology

Exploration of archaeological field methods through scientific excavation, recording, and sampling of sites of past human occupation. Focus on training in field and some laboratory methods at archaeological sites in the US or abroad.

Credit Hours: 3 To 6

Prerequisite Courses: ANT 207
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12 **Repeat Limit:** 1
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

BIO 366 - Ecology

An introduction to basic ecological principles as they pertain to individual organisms, populations, communities and systems. The lab for this course is BIOL 366.

Credit Hours: 3

Prerequisite Courses: BIO 201 and BIO 202
Course Repeatability: Course may not be repeated.

BIOL 366 - Ecology Laboratory

Introduction to ecological sampling techniques and data analysis. Experience in field sampling, laboratory and computer modeling of sampling approaches, and scientific writing is also included. This course is the lab for BIO 366. This course is the lab for BIO 366.

Credit Hours: 1

Prerequisite or Corequisite Courses: BIO 366
University Studies: Building Competencies/Writing Intensive, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

BIO 466 - Conservation Biology

A scientific approach to the protection, maintenance, and restoration of biological diversity, including its ecological and evolutionary processes and total environment.

Credit Hours: 3

Prerequisite Courses: BIO 366 or BIO 362
Additional Restrictions/Requirements: Junior or senior standing.
Course Repeatability: Course may not be repeated.

CSC 302 - Introduction to Artificial Intelligence

Introduction to foundational topics on Artificial Intelligence and mathematical foundation suitable for the studies of AI. Topics include modern historical perspectives of AI, intelligent agents, search algorithms, machine learning, knowledge representation, ethical and societal implications of AI.

Credit Hours: 3

Prerequisite Courses: CSC 231 with a minimum grade of "C" and MAT 161, or instructor approval.
Course Repeatability: Course may not be repeated.

CSC 370 - Computer Graphics

Introduction to geometric modeling for graphic programming. Topics include transformations for modeling, viewing, and projection; geometric modeling

of curves and surfaces; hidden-surface removal; clipping; graphical buffers; material simulation; texture mapping; and lighting.

Credit Hours: 3

Prerequisite Courses: CSC 231 with a minimum grade of C and MAT 162
Course Repeatability: Course may not be repeated.

GGY 222 - Quantitative Methods in Earth Sciences

Use and interpretation of statistical techniques in geographic and geologic research. The course emphasizes problem identification, data collection and interpretation through assignments covering specific kinds of statistical methods.

Credit Hours: 3

University Studies: Building Competencies/Information Literacy, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

GGY 333 - Applied Climatology

The spatial distribution and character of climates, their relation to other elements of the environment and to human activities. Students work individually or in small groups to solve problems through applications of climate principles and data.

Credit Hours: 3

Prerequisite Courses: GGY 130 or GGY 230
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

GGY 421 - Spatial Programming

Introduction to GIS programming. The course will focus on how to customize applications and streamline spatial analysis, and is designed to improve students' skills in conducting sophisticated spatial analysis and adapting to new technologies and programming languages. Two lecture and two laboratory hours each week.

Credit Hours: 3

Prerequisite Courses: GGY 321 or consent of instructor
Course Repeatability: Course may not be repeated.

GGY 423 - GIS Modeling

Introduction to geographical and temporal modeling concepts using GIS based modeling languages and techniques.

Credit Hours: 3

Prerequisite Courses: GGY 321.
Course Repeatability: Course may not be repeated.

GGY 424 - Advanced Geographic Information Systems

Advanced theory and application of the use of Geographic Information Systems (GIS), spatial data collection, data structures, data management, and relational databases, spatial analysis, and display of geographic information in a computer-based

environment. Lectures, demonstrations, and lab exercises. Two lecture and two laboratory hours each week.

Credit Hours: 3

Prerequisite Courses: GGY 321 or consent of instructor
University Studies: Explorations Beyond the Classroom
Crosslisting: GGY 524
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

GGY 426 - Environmental Geographic Information Systems

Overview of environmental applications of GIS including planning, date development, and analysis of the data, and oral and written presentation of the results. Students work individually or in small groups to remediate an environmental problem. Two lecture and two laboratory hours each week.

Credit Hours: 3

Prerequisite Courses: GGY 321 or consent of instructor
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Crosslisting: GGY 526
Course Repeatability: Course may not be repeated.

GGY 428 - Advanced Remote Sensing

Advanced theory and application of remote sensing techniques and software applications for environmental sciences, geography, earth sciences, hydrology, archaeology, and forestry. Includes satellite data collection, advanced classification methods, hyperspectral and microwave image analysis, and satellite elevation data construction. Two lecture and two laboratory hours each week.

Credit Hours: 3

Prerequisite Courses: GGY 322
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.

Crosslisting: GGY 528
Course Repeatability: Course may not be repeated.

GGY 433 - Weather Analysis and Forecasting

Introduction to tools of weather analysis and use of these tools to construct weather forecasts.

Credit Hours: 3

Prerequisite Courses: GGY 230 and GGY 333
Course Repeatability: Course may not be repeated.

GLY 390 - Field Methods in Geosciences

Applied study of geological materials and processes in field settings. Introduction to methods and techniques used in the geosciences including field measurement, sample retrieval and data analysis. Colloquium and required field trips.

Credit Hours: 2

Prerequisite Courses: GLY 132
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.

University Studies: Explorations Beyond the Classroom, Common Requirements/Critical Reasoning
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 4 **Repeat Limit:** 2
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

GLY 470 - Field Course in Geology

Intensive geological field mapping in various geological settings. Capstone emphasis on prior geological knowledge, critical thinking, and problem-solving skills. Interpretation of field data and solving field-based problems in small groups under direct faculty supervision. Includes preparation of geological maps and cross sections using digital topographic map, detailed lithologic descriptions outcrop questions and local geologic history. Course fees apply. Students must register for lecture and laboratory.

Credit Hours: 4

Prerequisite Courses: (GLY 310 or GLY 311 and GLY 416) and GLY 431, GLY 390, GLY 441 and GLY 471.
Additional Restrictions/Requirements: Prerequisite

courses or consent of instructor.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

GLY 471 - Techniques in Applied Geology

A companion course to GLY 470 providing experience in advanced techniques of geologic map reading and interpretation, data and location acquisition, mineral and rock description, sketching and sampling, structural mapping, and map and cross section design and format. Field trip required. Individual and group activities required. Course fees required.

Credit Hours: 1

Prerequisite Courses: Prerequisites: (GLY 310 or GLY 311 and GLY 416) and GLY 441. Prerequisites or corequisites: GLY 390 and GLY 431.
Additional Restrictions/Requirements: Prerequisite and corequisite courses, or consent of instructor.
Course Repeatability: Course may not be repeated.

MIS 315 - Management of Database Systems

Study of the design and administration of database systems in a business environment. The relational model is used along with database management software to facilitate the communication and distribution of data and its conversion into information, with an emphasis on sound design principles. Topics include entity-relationship modeling, normalization, and the structured query language (SQL).

Credit Hours: 3

Prerequisite Courses: MIS 213 or CIT 213
Course Repeatability: Course may not be repeated.

OCN 390 - Field Methods in Oceanography

Applied study of ocean materials and processes in field settings. Introduction to methods and techniques used in geosciences, with emphasis on coastal and marine environments, including field measurement, sample retrieval, and data analysis. Colloquium and required field trips (with associated costs).

Credit Hours: 2

Prerequisite Courses: OCN 150
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
University Studies: Building Competencies/Information Literacy, Critical Reasoning, Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6 **Repeat Limit:** 2
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

OCN 471 - Oceanographic Cruise Techniques

Data collection and sampling techniques on a research vessel. Introduction to equipment methods and techniques used in oceanography including CTD casts, sidescan sonar operation and data analysis, and sediment coring via participation in two half-day cruises led by UNCW oceanography faculty members.

Credit Hours: 1

Prerequisite Courses: OCN 350 or OCN 390
Additional Restrictions/Requirements: Prerequisite

courses or consent of instructor.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.

Total: 12 credits

Additional Information:

Other courses may be applied toward the minor at the discretion of the Geospatial Technologies minor coordinator or the Chair of the Department of Earth and Ocean Sciences. Students must earn at least a "C" (2.00) average in courses counted toward the Geospatial Technologies minor. This minor is available for students majoring in any discipline including geography and geology. A maximum of 12 credit hours counted toward a student's major may be applied toward completion of core or elective requirements in Geospatial Technologies.

German Minor

The College of Humanities, Social Sciences, and the Arts offers a minor in German. Students minoring in

German acquire advanced-level language proficiency, become knowledgeable about the cultures of the German-speaking areas, their history and literature, and acquire a range of analytic and interpretive skills. The combination of language proficiency, cross-cultural aptitude, and the ability to think critically ensures that our graduates can navigate the world and are well-prepared for a variety of professions, including business, government, engineering, law, education, and academia. Students should contact the German Studies coordinator in the Department of World Languages and Literatures for additional information.

Admission Requirements

Current UNCW Undergraduate Students

- See University Admission Requirements

Requirements for a Minor in German:

18 hours at the 200 level and above. No more than 3 hours may be obtained by means of a German Studies course taught in English. At least 9 hours must be at the 300 level or higher.

Language Core (6 Credit Hours)

GER 201 and GER 202, or their equivalent, are required. A grade of "C-" or better is required in each course counted toward the minor and a "C" (2.00) average or better for all courses counted towards the minor.

GER 201 - Intermediate German I

Not open to native or heritage speakers. Emphasis on achievement of an active command of the language. Aural-oral practice, intensive study of complex patterns of spoken German, reading, writing, and basic conversation.

Credit Hours: 3

Prerequisite Courses: GER 102
University Studies: Foundations/Foreign Language
Course Repeatability: Course may not be repeated.

GER 202 - Intermediate German II

Not open to native speakers. A review of the grammatical structure of the language. Application of the language in composition, conversation, and readings. Intensive work on increasing vocabulary,

idiomatic usage, and overall accuracy.

Credit Hours: 3

Prerequisite Courses: GER 201
University Studies: Approaches and Perspectives/Living in a Global Society, Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

Elective Courses (12 Credit Hours)

At least 9 hours must be at the 300 level or higher. No more than 3 hours may be obtained by means of a German Studies course taught in English.

GER 322 - History of the German Language

Introduction to the history of the German language, from its Indo-European roots through the present. Study of the historical, social, and cultural context that shaped the German language and its dialects, major linguistic changes that separate German from other Germanic and Indo-European languages and that characterize Modern Standard German as opposed to various German dialects. Taught in German.

Credit Hours: 3

Prerequisite Courses: GER 307
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

GER 294 - German Study Abroad I

Lower division level of special topics relating to the German-speaking world taken abroad from UNCW faculty or as a transfer credit. Course may be repeated under different subtitles.

Credit Hours: 1 To 6

University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

GER 301 - Advanced German

Not open to native speakers. Continued review of the grammatical structure of the language. Application of

the language in composition, convention, and reading. Intensive work on increasing vocabulary, idiomatic usage, and overall accuracy. Development of advanced language proficiency. Culmination of the lower-level language sequence.

Credit Hours: 3

Prerequisite Courses: GER 202
University Studies: Approaches and Perspectives/Living in a Global Society, Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

GER 302 - Advanced German II

Continued review of the grammatical structure of the language. Application of the language in composition, conversation, and reading. Intensive work on increasing vocabulary, idiomatic usage, and overall accuracy. Development of advanced language proficiency.

Credit Hours: 3

Prerequisite Courses: GER 301
Additional Restrictions/Requirements: Instructor permission required.
Course Repeatability: Course may not be repeated.

GER 306 - Advanced Grammar

Grammatical forms and usage.

Credit Hours: 3

Prerequisite Courses: GER 301
Course Repeatability: Course may not be repeated.

GER 307 - Text and Context

Not open to native speakers. Introduction to humanistic inquiry and critical thinking through close examination of German literary texts in their broader cultural context. Extensive reading, writing, and discussion. Can be repeated under different subtitles.

Credit Hours: 3

Prerequisite Courses: GER 301
University Studies: Building Competencies/Writing

Intensive, Building Competencies/Information Literacy
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

GER 311 - German Civilization

Geographical, historical, political and cultural aspects of Germany from the beginnings to the twentieth century.

Credit Hours: 3

Prerequisite Courses: GER 301
Course Repeatability: Course may not be repeated.

GER 321 - Introduction to German Literature

Selected readings covering the main currents of German, Austrian, and Swiss literature. Emphasis on textual analysis and criticism in classroom discussions; oral and written reports.

Credit Hours: 3

Prerequisite Courses: GER 301
University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary

Perspectives
Course Repeatability: Course may not be repeated.

GER 331 - Fairy Tales: From Grimms to Disney

German fairy tales of the Romantic era, including both literary fairy tales and folk fairy tales. Comparisons to other fairy tale traditions and adaptations. Attention to the literary, feminist, and historical elements of the fairy tale genre. Taught in English.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

GER 332 - Germans and the New World

Examination of German fantasies of and experiences in the Americas from the 1700s through today. Includes diaries, travel narratives, drama, fiction, poetry, film, political tracts, advertising, and propaganda. Taught in English.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

GER 333 - The Romance of King Arthur in Literature and Film

Exploration of the legend of King Arthur from its medieval roots to modern literature and film. Contribution of the German-speaking tradition to the pan-European myth. Arthurian romance as the vehicle of ideas and ideals about utopia, charismatic leadership, love, and betrayal. Traces the ways a myth is created, employed, and transmitted over centuries by means of textual and historical analysis. Taught in English.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

GER 394 - German Study Abroad II

Junior-level designation for non-catalogue courses offered by a department abroad. Course may be repeated under different subtitles.

Credit Hours: 1 To 6

University Studies: Explorations Beyond the

Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

GER 491 - Directed Individual Study

Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.

Credit Hours: 1 To 3

Additional Restrictions/Requirements: Junior or senior standing, overall GPA of at least 2.00, and consent of instructor, department chair and dean.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

GER 494 - German Study Abroad III

Upper division level of specialized topics relating to the German-speaking world taken abroad from UNCW faculty or as transfer credit. Course may be repeated

under different subtitles.

Credit Hours: 1 To 6

University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

GER 495 - Seminar in German Studies

Intensive study of a selected topic in German Studies. May be repeated under a different subtitle. Possible topics include "Fairy Tales / Marchen", "Legacies of the Enlightenment", and "The German Novella".

Credit Hours: 3

Prerequisite Courses: GER 307
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

GER 496 - Topics in German Studies

Intensive study of a selected topic in German Studies. Taught by faculty at other UNC-system schools though

the NC German Studies Consortium (live video conferencing). May be repeated under a different subtitle. Possible topics include "Goethe's Faust" and "Current Issues in the German Media".

Credit Hours: 3

Prerequisite Courses: GER 307
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

GER 498 - Internship in German

A program of work and study conducted within an agency and/or setting that provides practical experience with observation and application of foreign language skills.

Credit Hours: 3

Additional Restrictions/Requirements: Junior or senior standing and consent of instructor.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.

Maximum Repeatable Hours: 12
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

GER 499 - Honors Work in German Studies

Independent study for honors students.

Credit Hours: 2 To 3

Additional Restrictions/Requirements: Junior or senior standing, eligibility for honors program and at least 6 hours of German studies courses at the 300-400 level.
University Studies: Competencies/Writing Intensive, Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6

HST 322 - History of Germany 1648-1890

The emergence of modern Germany from the end of the Thirty Years' War through the Bismarckian empire. Topics include the rise of Prussian absolutism, the Enlightenment in Germany, the impact of the French Revolution, Romanticism, the revolutions of 1848,

unification, and constitutional problems of the empire.

Credit Hours: 3

Additional Restrictions/Requirements: Any HST course or consent of instructor.
Course Repeatability: Course may not be repeated.

HST 323 - History of Germany 1890-Present

Germany from the end of Bismarck's chancellorship to the present. Topics include World War I, German Expressionism, the failure of Weimar democracy, the rise of the Nazis, defeat and division, rebuilding in East and West, the collapse of communism, and reunification.

Credit Hours: 3

Additional Restrictions/Requirements: Any HST course or consent of instructor.
Course Repeatability: Course may not be repeated.

HST 324 - Jewish Humor and History: From the Shtetl to Seinfeld

Explores Jewish humor, tracing its evolution from the Yiddish culture of the 19th century to that of modern America. We examine schlemiels, schlimazels, and schnorrers, and investigate why they still have resonance today.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

HST 392 - Europe in the Age of Reformation

Causes and development of the Protestant and the Catholic Reformations with examination of the impact of these movements on the political, economic, and social institutions of early modern Europe.

Credit Hours: 3

Additional Restrictions/Requirements: Any HST course or consent of instructor.
Course Repeatability: Course may not be repeated.

HST 394 - Europe in the Age of Absolutism and Enlightenment

Europe from the Thirty Years War to the French Revolution. Topics include mercantilism; social transformation; colonialism; English constitutional government; Scientific Revolution; enlightened despotism, and changing balance of power.

Credit Hours: 3

Additional Restrictions/Requirements: Any HST course or consent of instructor.
Course Repeatability: Course may not be repeated.

HST 412 - Seminar: Renaissance and Reformation Europe

Research-oriented exploration of major themes and issues in the history of Renaissance and Reformation Europe (1350-1618). May be repeated under a different subtitle.

Credit Hours: 3

Prerequisite Courses: (HST 102 or HST 101) and HST 290
Additional Restrictions/Requirements: Prerequisite

courses or consent of instructor.
University Studies: Building Competencies/Writing Intensive, Common Requirements/Critical Reasoning
Crosslisting: HST 552
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

PAR 202 - Modern Philosophy: Descartes to Kant

Introduction to the major topics of Western philosophy during the modern period, including skepticism, the existence of God, and the source of our ideas. Analysis of the thought of philosophers such as Descartes, Elizabeth of Bohemia, Locke, Berkeley, Leibniz, Hume, and Kant.

Credit Hours: 3

University Studies: Approaches and Perspectives/Historical and Philosophical Approaches, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

PAR 363 - Religion, Holocausts, and Genocides

A critical analysis of the role of religion in holocausts and genocides from antiquity to the present. Emphasis on the destruction of aboriginal and ethnic peoples, the Jewish holocaust, African genocide, and ethnic cleansing.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

Total Credit Hours: 18

Additional Requirements

A grade of "C-" or better is required in each course counted toward the minor and a "C" (2.00) average or better for all courses counted towards the minor.

Gerontology Minor

Program Coordinator: Tina Newsham, Ph.D. I Program Coordinator & Professor

(Gerontology Minor I UNCW)

The School of Health and Applied Human Sciences offers an interdisciplinary minor in gerontology that focuses on the study of older adults and the aging

process. The minor draws on courses from a variety of disciplines, such as sociology, psychology, public health, recreation therapy, gerontology, and social work. The minor is designed for students with a general interest in aging, and will help prepare students for careers that involve working with older adults. Students are encouraged to obtain field experience in local agencies serving older adults. Students should contact the coordinator for additional information.

Applied Learning Requirement:

To satisfy the applied learning requirement for a minor in gerontology a student must successfully complete GRN 101 and GRN 440.

Requirements for a Minor in Gerontology:

Core:

GRN 101 - Introduction to Gerontology

Introduction to the social, psychological, physiological, and philosophical aspects of aging through reading, writing, and fieldwork.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

GRN 440 - Current Issues in Gerontology

Study of current issues and topics in the field of aging from an interdisciplinary and global perspective with participation in a service-learning project.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

SOC 336 - Sociology of Aging

Sociological theories and methods used to explain the aging process. Topics include demography, age stratification, aging and the life course, minority elderly, housing patterns, health, and social policy.

Credit Hours: 3

Prerequisite Courses: SOC 105 or GRN 101
University Studies: Approaches and Perspectives/Living in Our Diverse Nation, Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

PSY 324 - Psychology of Aging

A study of the psychological aspects of human aging. Topics include the effects of normal and diseased aging on perceptual and cognitive functioning, personality and social relationships, and physical and emotional health.

Credit Hours: 3

Prerequisite Courses: PSY 220 or PSY 221 or PSY 223
Additional Restrictions/Requirements: Prerequisite courses or consent of the instructor.

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

HEA 325 - Health and Aging

An introduction to health characteristics of the aging population. Topics include biomedical changes of various body systems and lifestyle factors such as nutrition, stress, drugs, exercise and sexuality. Field experience required.

Credit Hours: 3

Prerequisite Courses: GRN 101
Course Repeatability: Course may not be repeated.

Electives:

Three additional credits of designated gerontology courses are required to complete the minor.

COM 347 - Aging and Communication

Communicative behavior of the elderly within the contexts of friendship networks, health care systems, the work place, and the family. Social forces that influence society's perceptions of the aging

communicator.

Credit Hours: 3

Prerequisite Courses: COM 200 with a minimum grade of B
Additional Restrictions/Requirements: Prerequisite course or consent of instructor. Restricted to COM majors.
Course Repeatability: Course may not be repeated.

GRN 422 - Family Health and Aging

Study of family systems theory, paradigms for caregiving, illness and life-stage challenges for caregiving, and the interface between formal caregivers and caregiving families.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

GRN 446 - Health Care Access for Older Adults

An introduction to the U.S. health care system with an emphasis on issues related to older adults, including

problems of access to health care for the aging population, their families, and communities.

Credit Hours: 3

Prerequisite Courses: GRN 101
Additional Restrictions/Requirements: Junior or senior standing.
Crosslisting: GRN 546, RTH 546
Course Repeatability: Course may not be repeated.

GRN 491 - Directed Individual Study

Gerontological investigation, under faculty supervision, beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.

Credit Hours: 1 To 3

Prerequisite Courses: GRN 101
Additional Restrictions/Requirements: Prerequisite course, overall GPA of at least 2.00, and consent of instructor, gerontology coordinator, and the appropriate dean.

Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

GRN 495 - Topical Seminar in Gerontology

Discussion of selected topics in Gerontology.

Credit Hours: 3

Prerequisite Courses: GRN 101
Additional Restrictions/Requirements: Prerequisite course and consent of instructor.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 9

PAR 215 - Medical Ethics: Life and Death Decisions in Health Care

Examination of the principles and problems in the application of ethical theory to medical research and practice.

Credit Hours: 3

University Studies: Approaches and

Perspectives/Historical and Philosophical Approaches
Course Repeatability: Course may not be repeated.

PSY 223 - Life Span Human Development

Variables and factors underlying human growth and development across the life span. Physical, cognitive, social, emotional, and sexual developments are emphasized.

Credit Hours: 3

Prerequisite Courses: PSY 105
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

PSY 416 - Adult Development and Life Transitions

A course in human development. An exploration of the major normative and nonnormative changes that take place during adulthood. Operating from a lifespan perspective, includes examination of how adults initiate, understand, cope with and resolve life transitions (e.g. parenting, loss, illness, career change, relationships, change.)

Credit Hours: 3

Prerequisite Courses: PSY 220 or PSY 221 or PSY 223 or PSY 320 or PSY 324
University Studies: Explorations Beyond the Classroom
Crosslisting: PSY 516
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

RTH 469 - Recreation Therapy in Geriatrics

Emphasis on theories and evidence-based recreation therapy and other nonpharmaceutical treatments for individuals with dementia related illnesses in a variety of settings. Field work required.

Credit Hours: 3

Prerequisite Courses: RTH 375 with a C- or better and GRN 101.
Additional Restrictions/Requirements: Prerequisite courses or consent of instructor.
Crosslisting: RTH 569

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 220 - Sociology of Death and Dying

Examination of the sociological dimensions of death in modern society. The social organizational and cultural dimensions of death will be considered in terms of rites of passage, bureaucratization, social movements, cultural differences, and historical and contemporary contexts.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SWK 310 - Social Work with Older Adults

Examines the status of the elderly and specific problems they confront in modern society. Focuses on social agencies and other service resources. Analyzes policies. Major emphases on practice, service settings

and special populations.

Credit Hours: 3

Prerequisite Courses: SWK 235 or GRN 101.
Additional Restrictions/Requirements: Students must earn a "C" or better in each SWK course in order to progress in the program.
Course Repeatability: Course may not be repeated.

Total: 18 hours

Additional Information:

A "C" (2.00) or better average is required in all courses counted toward the minor. Students should contact the director for a list of current designated courses.

GIS, Remote Sensing and UAS Minor

The GIS, Remote Sensing and UAS Minor is designed to provide students with training in the applied skills and theory of geospatial science including, but not limited to: geographic information systems, remote sensing, autonomous and semi-autonomous vehicles and their associated sensors. The minor is an excellent accompaniment to a wide range of science, humanities,

health, and business majors where spatiotemporal variations in one or more variables are of interest.

Requirements for a Minor in Geospatial Technologies

Requires a minimum of 21 credit hours including 9 hours of core courses and 12 hours of electives. At least 6 hours of electives must be in courses at the 300 level or above.

Core Courses (9 Credit Hours)

GGY 215 - The Digital Globe

Introduction to the maps, data, and methods commonly used by geographers to investigate spatial relationships from local to global scales. Includes the examination of geography as a discipline whereby human and physical environments are spatially explored.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in a Global Society, Building Competencies/Information Literacy, Common

Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

GGY 220 - Cartography and Data Visualization

Introduction to fundamental cartographic and geospatial data visualization principles that provide students the ability to describe, generate, and evaluate relevant products (maps, graphs, charts). The course uses examples from physical geography and human landscapes to practice the principles defined in the Essential Body of Knowledge used in geospatial professions.

Credit Hours: 3

Prerequisite Courses: GGY 130 or GGY 101
University Studies: Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

GGY 321 - Introduction to Geographic Information Systems

Introduces fundamental concepts and principles of Geographic Information Systems (GIS). Tools,

functions, and capabilities of GIS desktop software (e.g. ArcGIS or QGIS) are explained and used to visualize and manipulate geospatial data.

Credit Hours: 3

Prerequisite Courses: GGY 130 or GGY 215 or GLY 101 or GLY 120 or OCN 150 or EVS 195 or EGN 102.
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

GGY 322 - Introduction to Remote Sensing

Theory and application of remote sensing techniques and software applications for environmental sciences, geography, earth sciences, hydrology, archaeology, forestry, and public health. Includes satellite data collection, digital image processing, multispectral image analysis, introduction to thermal infrared and microwave data through laboratory exercises. Students work in small groups to apply remote sensing concepts to solve complex problems. Two lecture and two laboratory hours each week.

Credit Hours: 3

Prerequisite Courses: GGY 130 or GGY 215 or GLY 101 or GLY 120 or OCN 150 or EVS 195 or consent of instructor.
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

Additional Information

If a student completes both GGY 215 and GGY 220, GGY 215 will count toward the core requirements and GGY 220 will count as an elective.

Elective Courses (12 Credit Hours)

12 hours of electives with at least 6 hours at 300-level or above selected from the following:

ANT 311 - Field Methods in Archaeology

Exploration of archaeological field methods through scientific excavation, recording, and sampling of sites of past human occupation. Focus on training in field and some laboratory methods at archaeological sites in the US or abroad.

Credit Hours: 3 To 6

Prerequisite Courses: ANT 207
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12 **Repeat Limit:** 1
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

BIO 366 - Ecology

An introduction to basic ecological principles as they pertain to individual organisms, populations, communities and systems. The lab for this course is BIOL 366.

Credit Hours: 3

Prerequisite Courses: BIO 201 and BIO 202
Course Repeatability: Course may not be repeated.

BIOL 366 - Ecology Laboratory

Introduction to ecological sampling techniques and data analysis. Experience in field sampling, laboratory and computer modeling of sampling approaches, and scientific writing is also included. This course is the lab for BIO 366. This course is the lab for BIO 366.

Credit Hours: 1

Prerequisite or Corequisite Courses: BIO 366
University Studies: Building Competencies/Writing Intensive, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

BIO 466 - Conservation Biology

A scientific approach to the protection, maintenance, and restoration of biological diversity, including its ecological and evolutionary processes and total environment.

Credit Hours: 3

Prerequisite Courses: BIO 366 or BIO 362
Additional Restrictions/Requirements: Junior or

senior standing.
Course Repeatability: Course may not be repeated.

CSC 302 - Introduction to Artificial Intelligence

Introduction to foundational topics on Artificial Intelligence and mathematical foundation suitable for the studies of AI. Topics include modern historical perspectives of AI, intelligent agents, search algorithms, machine learning, knowledge representation, ethical and societal implications of AI.

Credit Hours: 3

Prerequisite Courses: CSC 231 with a minimum grade of "C" and MAT 161, or instructor approval.
Course Repeatability: Course may not be repeated.

CSC 355 - Database Design and Implementation

Introduction to database concepts and database management systems. Topics include data models (hierarchical, network, relational, parallel, distributed and NoSQL), data modeling, data description languages, data manipulation languages, database administration, data warehouses, and front-end

development. A group project designing and implementing a relational database is required.

Prerequisite Courses: CSC 231 (with a minimum grade of C)
Additional Restrictions/Requirements: Junior or senior standing, or permission of instructor**.**
Course Repeatability: Course may not be repeated.

CSC 370 - Computer Graphics

Introduction to geometric modeling for graphic programming. Topics include transformations for modeling, viewing, and projection; geometric modeling of curves and surfaces; hidden-surface removal; clipping; graphical buffers; material simulation; texture mapping; and lighting.

Credit Hours: 3

Prerequisite Courses: CSC 231 with a minimum grade of C and MAT 162
Course Repeatability: Course may not be repeated.

GGY 222 - Quantitative Methods in Earth Sciences

Use and interpretation of statistical techniques in geographic and geologic research. The course emphasizes problem identification, data collection and interpretation through assignments covering specific kinds of statistical methods.

Credit Hours: 3

University Studies: Building Competencies/Information Literacy, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

GGY 333 - Applied Climatology

The spatial distribution and character of climates, their relation to other elements of the environment and to human activities. Students work individually or in small groups to solve problems through applications of climate principles and data.

Credit Hours: 3

Prerequisite Courses: GGY 130 or GGY 230
Additional Restrictions/Requirements: Prerequisite

course or consent of instructor.
University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

GGY 421 - Spatial Programming

Introduction to GIS programming. The course will focus on how to customize applications and streamline spatial analysis, and is designed to improve students' skills in conducting sophisticated spatial analysis and adapting to new technologies and programming languages. Two lecture and two laboratory hours each week.

Credit Hours: 3

Prerequisite Courses: GGY 321 or consent of instructor
Course Repeatability: Course may not be repeated.

GGY 423 - GIS Modeling

Introduction to geographical and temporal modeling concepts using GIS based modeling languages and techniques.

Credit Hours: 3

Prerequisite Courses: GGY 321.
Course Repeatability: Course may not be repeated.

GGY 424 - Advanced Geographic Information Systems

Advanced theory and application of the use of Geographic Information Systems (GIS), spatial data collection, data structures, data management, and relational databases, spatial analysis, and display of geographic information in a computer-based environment. Lectures, demonstrations, and lab exercises. Two lecture and two laboratory hours each week.

Credit Hours: 3

Prerequisite Courses: GGY 321 or consent of instructor
University Studies: Explorations Beyond the Classroom
Crosslisting: GGY 524

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

GGY 425 - GIS for Equity and Social Justice

Use of GIS to investigate and measure spatial patterns of equity, social and environmental justice. Topics for discussion may include population migration, redlining, segregation, gentrification and environmental bias. Two lecture and three lab hours each week.

Credit Hours: 3

Prerequisite Courses: GGY 321.
Course Repeatability: Course may not be repeated.

GGY 426 - Environmental Geographic Information Systems

Overview of environmental applications of GIS including planning, date development, and analysis of the data, and oral and written presentation of the results. Students work individually or in small groups to remediate an environmental problem. Two lecture and two laboratory hours each week.

Credit Hours: 3

Prerequisite Courses: GGY 321 or consent of instructor
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Crosslisting: GGY 526
Course Repeatability: Course may not be repeated.

GGY 428 - Advanced Remote Sensing

Advanced theory and application of remote sensing techniques and software applications for environmental sciences, geography, earth sciences, hydrology, archaeology, and forestry. Includes satellite data collection, advanced classification methods, hyperspectral and microwave image analysis, and satellite elevation data construction. Two lecture and two laboratory hours each week.

Credit Hours: 3

Prerequisite Courses: GGY 322
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.

Crosslisting: GGY 528
Course Repeatability: Course may not be repeated.

GGY 429 - Aerial Drone Applications in Geoscience

Introduction to the applications of unmanned aerial systems (UAS, or drones) in the geosciences. The course will cover an introduction to remote sensing and photogrammetry, the basics of UAS regulatory frameworks, and data collection and processing, with at least 40% of the class devoted to data collection in the field.

Credit Hours: 3

Prerequisite Courses: GGY 321 or GGY 322 or consent of instructor
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.

GGY 433 - Weather Analysis and Forecasting

Introduction to tools of weather analysis and use of these tools to construct weather forecasts.

Credit Hours: 3

Prerequisite Courses: GGY 230 and GGY 333
Course Repeatability: Course may not be repeated.

GLY 390 - Field Methods in Geosciences

Applied study of geological materials and processes in field settings. Introduction to methods and techniques used in the geosciences including field measurement, sample retrieval and data analysis. Colloquium and required field trips.

Credit Hours: 2

Prerequisite Courses: GLY 132
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
University Studies: Explorations Beyond the Classroom, Common Requirements/Critical Reasoning
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 4 **Repeat Limit:** 2
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

GLY 470 - Field Course in Geology

Intensive geological field mapping in various geological settings. Capstone emphasis on prior geological knowledge, critical thinking, and problem-solving skills. Interpretation of field data and solving field-based problems in small groups under direct faculty supervision. Includes preparation of geological maps and cross sections using digital topographic map, detailed lithologic descriptions outcrop questions and local geologic history. Course fees apply. Students must register for lecture and laboratory.

Credit Hours: 4

Prerequisite Courses: (GLY 310 or GLY 311 and GLY 416) and GLY 431, GLY 390, GLY 441 and GLY 471.
Additional Restrictions/Requirements: Prerequisite courses or consent of instructor.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

GLY 471 - Techniques in Applied Geology

A companion course to GLY 470 providing experience in advanced techniques of geologic map reading and interpretation, data and location acquisition, mineral and rock description, sketching and sampling, structural mapping, and map and cross section design and format. Field trip required. Individual and group activities required. Course fees required.

Credit Hours: 1

Prerequisite Courses: Prerequisites: (GLY 310 or GLY 311 and GLY 416) and GLY 441. Prerequisites or corequisites: GLY 390 and GLY 431.
Additional Restrictions/Requirements: Prerequisite and corequisite courses, or consent of instructor.
Course Repeatability: Course may not be repeated.

MIS 315 - Management of Database Systems

Study of the design and administration of database systems in a business environment. The relational model is used along with database management software to facilitate the communication and distribution of data and its conversion into information, with an

emphasis on sound design principles. Topics include entity-relationship modeling, normalization, and the structured query language (SQL).

Credit Hours: 3

Prerequisite Courses: MIS 213 or CIT 213
Course Repeatability: Course may not be repeated.

OCN 390 - Field Methods in Oceanography

Applied study of ocean materials and processes in field settings. Introduction to methods and techniques used in geosciences, with emphasis on coastal and marine environments, including field measurement, sample retrieval, and data analysis. Colloquium and required field trips (with associated costs).

Credit Hours: 2

Prerequisite Courses: OCN 150
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
University Studies: Building Competencies/Information Literacy, Critical Reasoning,

Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6 **Repeat Limit:** 2
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

OCN 471 - Oceanographic Cruise Techniques

Data collection and sampling techniques on a research vessel. Introduction to equipment methods and techniques used in oceanography including CTD casts, sidescan sonar operation and data analysis, and sediment coring via participation in two half-day cruises led by UNCW oceanography faculty members.

Credit Hours: 1

Prerequisite Courses: OCN 350 or OCN 390
Additional Restrictions/Requirements: Prerequisite courses or consent of instructor.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.

PAR 105 - Critical Reasoning With Artificial Intelligence

Introduction to the principles of proper reasoning through the use of generative AI. Exploration of how to assess the reasoning of AI and how to use AI to improve one's own argumentation. Study of the contrast between good and bad forms of reasoning as manifested by both humans and AI.

University Studies: Critical Reasoning
Course Repeatability: Course may not be repeated.

PAR 312 - Ethics of Artificial Intelligence

Introduction to major topics in the ethics of artificial intelligence, including the proper role of AI in moral decision-making, the potential for AI to have moral status, the relevance of AI to issues of academic integrity, and the potential for AI to engage in racial discrimination.

Course Repeatability: Course may not be repeated.

Total Credit Hours: 21

Additional Information

Other courses may be applied toward the minor at the discretion of the Geospatial Technologies minor

coordinator or the Chair of the Department of Earth and Ocean Sciences. Students must earn at least a "C" (2.00) average in courses counted toward the Geospatial Technologies minor. This minor is available for students majoring in any discipline including geography and geology. A maximum of 12 credit hours counted toward a student's major may be applied toward completion of core or elective requirements in Geospatial Technologies.

Health Minor

http://www.uncw.edu/hahs

Requirements for a Minor in Health:

21 hours from the following courses, including at least 6 hours from the 300-400 level:

HEA 105 - Individual Well-Being

Topical areas and issues in health explored within the physical, emotional, social, environmental, intellectual, and spiritual dimensions of personal wellness.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

HEA 205 - Human Sexuality

Taught from a health educator perspective, focusing on empirically based information covering: human sexual response, development of sex roles and orientation, reproduction, birth control, and STI's. Provides opportunities for students to review their beliefs in the context of the historic, cultural and social factors that impact how we perceive sexuality.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

HEA 207 - Nutrition and Behavior

Application of the principles of nutrition as related to health; various levels of wellness; and practices of health care. Emphasis on basics of sound nutrition, requirements of various food elements, diet planning, diet patterns for specific age groups, nutritional fads and weight control.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

HEA 210 - Substance Abuse Prevention

Prevention education methods and strategies for substance abuse prevention for all age groups and diverse populations. Special emphasis on evidence-based prevention strategies including both curriculum-based and community-programming tactics. Students will work with outside agencies to review current use of substance abuse prevention programs.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

HEA 245 - Consumer Health

Survey of consumer health topics such as the purchase of health-care products and services, choosing quality health care, and how to identify and use reliable sources of information.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

HEA 300 - Mental and Emotional Health

An integrated approach to mental and emotional health examining the cognitive, emotional, and social dimensions of mental health. An introduction to common mental disorders, their causes, and treatment. Special focus on the emotional and mental health issues of adolescence.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

HEA 304 - Comprehensive School Health Education, Grades K-12

An overview of the school health education program. Emphasis on methods and materials for health instruction in grades K-12.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

PBH 105 - Explorations in Public Health

Please enter a description. General introduction to public health and how it interfaces with science and politics. Addresses the connectivity of public health and healthcare. The 3 P's of public health: prevent, protect and promote, and the roles of personal and social determinants of health are covered utilizing current public health events and initiatives. Partially satisfies University Studies II: Approaches and Perspectives/Understanding Human Institutions and Behaviors.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

HFE 221 - First Aid and Injury Care

This course is designed to introduce students to the mechanisms, underlying prevention, and care of various injuries and illnesses associated with an active lifestyle. Topics include: emergency procedures, legal

concerns and injury prevention and care. It also includes instruction to potentially obtain certification in the following: CPR/AED for the Healthcare Provider.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

Total: 21 hours

History Minor

Admission Requirements

Current UNCW Undergraduate Students

- See University Admission Requirements

Requirements for a Minor in History

Core Courses (9 Credit Hours)

Nine hours from HST 101-199, including at least 3 hours treating the period before 1500 (HST 101, HST 111 and HST 113).

Elective Courses (9 Credit Hours)

Nine hours from HST 200-498, with at least 6 hours at the 300-400 level.

Total Credit Hours: 18

Additional Information

An overall "C" (2.00) average in courses taken in the department is required for the minor, and a grade of "C-" or better is required in each course applied toward the minor.

Information Technology Minor

Coordinator: Shauna White

The College of Science and Engineering offers an interdisciplinary minor in information technology which provides students with the opportunity to develop an understanding of technology and its impact on society and in the workplace. Because information technology affects virtually all aspects in society: education, business, and industry; the study of information technology is best suited to an interdisciplinary approach. In this interdisciplinary minor, students will encounter various aspects of information technology that directly impact their chosen course of study.

Students should contact the coordinator for additional information.

Information Technology Minor

Coordinator: Shauna White

The College of Science and Engineering offers an interdisciplinary minor in information technology which provides students with the opportunity to develop an understanding of technology and its impact on society and in the workplace. Because information technology affects virtually all aspects in society: education, business, and industry; the study of information technology is best suited to an interdisciplinary approach. In this interdisciplinary minor, students will encounter various aspects of information technology that directly impact their chosen course of study. Students should contact the coordinator for additional information.

Core Courses:

The minor requires 12 credits of core courses.

CIT 110 - Fluency in Information Technology

Information representation, the Internet and HTML, algorithmic thinking and programming, language translation, modeling and abstraction, algorithmic complexity and non-computability, machine architecture and parallel computation, networks and communication, database principles, multimedia, social impacts of computing.

Credit Hours: 3

University Studies: Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

CSC 112 - Introduction to Computer Programming

Introduction to programming in a high-level language. Algorithms, computer systems, data representation, survey of computer applications, elementary programming techniques, debugging and verification of programs. The language to be used will be specified in the schedule of classes. Recommended primarily for non computer science majors.

Credit Hours: 3

Prerequisite Courses: MAT 112 or MAT 150 or MAT 160.
University Studies: Foundations/Mathematics and Statistics
Course Repeatability: Course may not be repeated.

CSC 121 - Programming Concepts I

Problem-solving methods and algorithms in a modern high-level programming language. Introduces classes and objects; control structures; arrays; characters and strings. Emphasis on programming style and the design, coding, and testing of complete programs.

Credit Hours: 4

Prerequisite Courses: MAT 111.
Additional Restrictions/Requirements: Recommended primarily for information technology majors. Will not transfer to the computer science major or minor. A grade of "C" (2.00) or better is required to take MIS 316. Available online only.
University Studies: Building

Competencies/Quantitative and Logical Reasoning, Foundations/Mathematics and Statistics
Course Repeatability: Course may not be repeated.

CSC 131 - Introduction to Computer Science

Problem solving methods and algorithms in a modern high-level programming language. Introduces one or more programming environments. Emphasis on a programming style and the design, coding, and testing of complete programs. Recommended primarily for computer science majors.

Credit Hours: 4

Prerequisite Courses: MAT 112 or MAT 150 or MAT 160.
University Studies: Common Requirements/Critical Reasoning, Foundations/Mathematics and Statistics
Course Repeatability: Course may not be repeated.
You must achieve a 'C' (2.00) or better if you intend to use this course as a prerequisite for another course.

MIS 316 - Business Application Development

Intermediate programming in an event driven, rapid application development context. Emphasis is on writing high-quality code that is easy to debug, test, and maintain, culminating in database interaction.

Credit Hours: 3

Prerequisite or Corequisite Courses: and MIS 216 and MIS 315
Prerequisite Courses: CSC 112 or CSC 131
Additional Restrictions/Requirements: Students must take MIS 315 as a prerequisite or corequisite. Students must also take one of the following three courses (CSC 112 or CSC 131 as a prerequisite) or (MIS 216 as a prerequisite/corequisite).
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3
Major Restriction BS Business Administration or BS Information Technology

- **NOTE: MIS 315 is a pre- or corequisite for MIS 316 and can be used as an elective for the minor as well

CIT 213 - Introduction to Databases: Techniques and Technologies

Fundamental concepts of database management systems, including advantages of using database management systems, data modeling, relational database design, query-building, security, privacy and ethical issues, and introductions to Web-based processing, Big Data concepts, and non-relational models.

Credit Hours: 3

Prerequisite Courses: CIT 110
Course Repeatability: Course may not be repeated.

MIS 310 - Web Development Languages

Study of the design and creation of web pages that support traditional screens, tablets, and smart devices. Topics include page structure, human-computer interface design, style sheets, reusability, and design concepts. Best industry practices in web development, such as client-side scripting languages and Search Engine Optimization (SEO) techniques, will also be considered.

Credit Hours: 3

Prerequisite or Corequisite Courses: or (CSC 112 or CSC 131 or MIS 216)
Prerequisite Courses: CIT 110 or MIS 213
Additional Restrictions/Requirements:

One prerequisite or corequisite course is required: Choose CIT 110 or MIS 213 as a prerequisite course or one of CSC 112, CSC 131, or MIS 216 as a pre- or corequisite course.

Admission to Cameron School of Business or declared BS Information Technology major or declared BS Cybersecurity major or declared BS Computer Science or declared BA Digital Arts or declared Cybersecurity minor or declared Digital Arts minor.

Course Repeatability: Course may not be repeated. **Maximum Repeatable Hours:** 3
Major Restriction BS Business Administration or BS Information Technology or BS Cybersecurity or BS Computer Science or BA Digital Arts**Minor Restriction** Cybersecurity Minor or Digital Arts Minor

Electives:

The minor requires 6 credits of elective courses.

- Any 300 or higher level CIT course (not used to fulfill the core course requirement); Any 300 or higher level CSC course (not used to fulfill the core course requirement); Any 300 or higher level MIS course (not used to fulfill the core course requirement);

ACG 306 - Accounting Information Systems

An introduction to the aggregation of data in an accounting information system with an emphasis on documentation, internal controls, and transaction cycles. Laboratory projects include advanced spreadsheet functions, an accounting software package and a database package.

Credit Hours: 3

Prerequisite Courses: ACG 201 with a minimum grade of 'C' and ACG 203 with a minimum grade of 'C'. Prerequisite or corequisite: ACG 301.
Course Repeatability: Course may not be repeated.

ART 320 - Computer Animation

Basic principles of animation using 3-D computer-generated animation and basic processes for animating synthetic objects through structured exercises. Principles of designing and producing 3-D computer-generated animation through the creation of advanced motion studies. Projects focus on developing higher-level skills in model building, animation and color and lighting.

Credit Hours: 3

Prerequisite Courses: ART 220
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Crosslisting: CSC 320, FST 320
Course Repeatability: Course may not be repeated.

ART 372 - Digital Printmaking

This course will focus on the creation of digitally processed and handprinted images. Projects will explore the development of visual and narrative ideas using digital tools, and hand-printing the digital images using traditional printmaking methods.

Credit Hours: 3

Prerequisite Courses: ART 101.
Course Repeatability: Course may not be repeated.

ART 382 - Intermediate Digital Photography

Further exploration of digital fine art photography concepts and methods. Further development of personal imagery through independent creative projects, discussions, and critiques of images created with digital cameras and printed with digital media.

Credit Hours: 3

Prerequisite Courses: ART 282
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

BLA 363 - Cyber Law

A study of how the legal system impacts e-commerce. Examines how Trademark Law, Copyright Law and Patent Law impact e-commerce activities. Other topics include on-line contracting issues, taxation of e-

commerce transactions on a statewide, national, and international basis, privacy concerns, obscenity, defamation, information security, computer criminal activities, as well as global e-commerce issues.

Credit Hours: 3

Prerequisite Courses: BLA 361
Additional Restrictions/Requirements: Prerequisite course and admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.

COM 380 - Field Video Production I

Hands-on field video production including project planning, script writing, filming, recording, and editing. Emphasis on mastery of digital camera operation, audio acquisition, lighting, and digital editing. Students complete a variety of short productions working individually and in small teams.

Credit Hours: 3

Prerequisite Courses: (COM 280 or FST 201) and COM 105 with a minimum grade of B

Additional Restrictions/Requirements: Prerequisite courses and consent of instructor. Restricted to PCOM and COM majors.
Course Repeatability: Course may not be repeated.
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

COM 383 - Audio Storytelling & Podcasting

Creation of audio-based projects in a variety of genres including IMC, news, sports, entertainment, and social media content. Topics include: voice development, project planning, scriptwriting, recording, editing, and promotion. Emphasis on proper audio acquisition, digital editing skills, and quality programming. Students complete a variety of productions working individually and in small groups.

Credit Hours: 3

Prerequisite or Corequisite Courses: COM 200 or permission of instructor.
Additional Restrictions/Requirements: PCOM or COM major or permission of instructor.

Course Repeatability: Course may not be repeated.
Major Restriction PCOM or COM Majors

COM 387 - Visual Communication: Digital and Print Design and Production

Learn the fundamental rhetorical principles and theories of graphic and layout design for effective communication. Students create artifacts using current technologies and available materials to meet diverse creative and rhetorical goals. Projects include technical documents, posters, magazines, and newsletters and other digital and print deliverables.

Credit Hours: 3

Additional Restrictions/Requirements: Or permission of instructor.
Course Repeatability: Course may not be repeated.
Major Restriction COM Studies Majors

COM 388 - 3D Computer Animation II

Continued development of essential skills in both technical and artistic dimensions of 3D animation while using a high-end computer application. Through such

skills, a short commercial or movie will be created.

Credit Hours: 3

Prerequisite Courses: COM 288
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

COM 480 - Field Video Production II

Application of advanced field video and editing techniques in the completion of substantial video projects in two or more of these areas: artistic/experimental, documentary, informational, promotional, news, or sports. Emphasis on development of creativity, and video storytelling, planning and technical skills. All projects are intended for festival submission, regional telecast, or produced for campus and regional clients.

Credit Hours: 3

Prerequisite Courses: COM 380 and permission of instructor.

University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.
Major Restriction COM

EBD 354 - Managing Innovation and Technology

Development and adoption of new technology in corporate operations. Attention directed to creating an environment that fosters continuous improvement through experimentation, innovation, and change. Topics include the nature of technology, its role in business strategy, technological forecasting, the creative process, organization and management of professional personnel, and project management techniques.

Credit Hours: 3

Additional Restrictions/Requirements: Admission to Cameron School of Business.
Crosslisting: MGT 354
Course Repeatability: Course may not be repeated.

EDN 303 - Instructional Technology

Emphasizes the design, selection, production, and evaluation of instructional materials, computer-generated presentations, and interactive multimedia, with particular emphasis on their effective integration into an instructional unit. Develops skill in the operation of media production equipment, including microcomputers, fundamentals of operating systems, computer software applications, networks, and telecommunications.

Credit Hours: 3

University Studies: Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

ENG 314 - Digital Composing

Study of the intersection between writing and technology, including Web page creation, documentation, usability, desktop publishing, and the use of graphics with text.

Credit Hours: 3

Prerequisite Courses: ENG 204 or ENG 205 or permission of instructor.
University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

FST 301 - Film Tools and Techniques

Instruction in the techniques and technologies of digital filmmaking, including camera, lenses, lighting, grip, sound, and set protocol.

Credit Hours: 3

Prerequisite Courses: FST 201
Additional Restrictions/Requirements: Restricted to FST majors, or consent of instructor.
Course Repeatability: Course may not be repeated.
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

FST 320 - Computer Animation

Basic principles of animation using 3-D computer-generated animation and basic processes for animating synthetic objects through structured exercises.

Principles of designing and producing 3-D computer-generated animation through the creation of advanced motion studies. Projects focus on developing higher-level skills in model building, animation and color, and lighting.

Credit Hours: 3

Prerequisite Courses: FST 220
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Crosslisting: ART 320, CSC 320
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 3

FST 331 - Introduction to Editing

An introduction to the techniques and aesthetics of non-linear motion picture editing.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: FST 201, or permission of instructor.
Course Repeatability: Course may not be repeated.

Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

FST 334 - 6x1: Variations on the One-Minute Film

Instruction and practice in alternative/experimental forms of filmmaking (16mm hand-processing, stop motion animation, cameraless filmmaking, and collage) through the creation of six 1-minute projects.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: FST 201, or permission of instructor.
Course Repeatability: Course may not be repeated.
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

FST 430 - Digital Visual Effects

Exploration of digital image and video representation and manipulation for motion-picture visual effects. Includes image storage and compression, film and video formats, compositing, filtering, scripting for graphics and visual effects, photorealistic lighting and

rendering, virtual cinematography, camera tracking, and particle effects.

Credit Hours: 3

Prerequisite Courses: CSC 320, or ART 320, or FST 320.
Crosslisting: CSC 430, FST 522.
Course Repeatability: Course may not be repeated.
Additional Course Fee Schedule

FST 433 - Modes of Animation Production

Applied instruction in selected animation forms and techniques. Topics might include motion graphics, gif animation and character animation. May be repeated under different subtitles.

Credit Hours: 3

Prerequisite Courses: FST 201.
Additional Restrictions/Requirements: Junior or Senior standing, permission of instructor
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 9 **Repeat Limit:** 2

FST 497 - Applied Post Production

Hands-on application of editing theory and post-production techniques, practices, and technology. Students create a finished film using raw footage from previousFST 495 projects; exceptions upon approval.

Credit Hours: 3

Prerequisite Courses: FST 331
Additional Restrictions/Requirements: Prerequisite course and consent of the chair of Film Studies.
Course Repeatability: Course may not be repeated.
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

GGY 322 - Introduction to Remote Sensing

Theory and application of remote sensing techniques and software applications for environmental sciences, geography, earth sciences, hydrology, archaeology, forestry, and public health. Includes satellite data collection, digital image processing, multispectral image analysis, introduction to thermal infrared and microwave data through laboratory exercises. Students work in small groups to apply remote sensing concepts

to solve complex problems. Two lecture and two laboratory hours each week.

Credit Hours: 3

Prerequisite Courses: GGY 130 or GGY 215 or GLY 101 or GLY 120 or OCN 150 or EVS 195 or consent of instructor.
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

GGY 424 - Advanced Geographic Information Systems

Advanced theory and application of the use of Geographic Information Systems (GIS), spatial data collection, data structures, data management, and relational databases, spatial analysis, and display of geographic information in a computer-based environment. Lectures, demonstrations, and lab exercises. Two lecture and two laboratory hours each week.

Credit Hours: 3

Prerequisite Courses: GGY 321 or consent of instructor
University Studies: Explorations Beyond the Classroom
Crosslisting: GGY 524
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

GGY 426 - Environmental Geographic Information Systems

Overview of environmental applications of GIS including planning, date development, and analysis of the data, and oral and written presentation of the results. Students work individually or in small groups to remediate an environmental problem. Two lecture and two laboratory hours each week.

Credit Hours: 3

Prerequisite Courses: GGY 321 or consent of instructor
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.

Crosslisting: GGY 526
Course Repeatability: Course may not be repeated.

MGT 354 - Managing Innovation and Technology

Development and adoption of new technology in corporate operations. Attention directed to creating an environment that fosters continuous improvement through experimentation, innovation, and change. Topics include the nature of technology, its role in business strategy, technological forecasting, the creative process, organization and management of professional personnel, and project management techniques.

Credit Hours: 3

Additional Restrictions/Requirements: Admission to Cameron School of Business.
Crosslisting: EBD 354
Course Repeatability: Course may not be repeated.

MIT 401 - Online Teaching: Design, Development, and Management

Focus on the design, development, and management of online instruction. Students will use principles of instructional to design and develop online courses with a focus on how to organize and manage an online environment in a Learning Management System (LMS).

Credit Hours: 3

Course Repeatability: Course may not be repeated.

MIT 402 - Multimedia Instruction for Online Learning

Students will follow the instructional design process to create and evaluate multimedia instruction for online computer-based environments. Several advanced technologies will be incorporated to design and develop instructional material. These technologies will include video, computer-based authoring software, mobile and desktops, and other advanced technologies impacting online course development.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

MIT 414 - Foundations of Online Learning

This course overviews the concepts, technologies, and issues related to the design, development, delivery, policy-making, and evaluation of distance education courses and programs. Learn about online learning technologies and focus on techniques for teaching and learning within a distance education system.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

MUS 310 - Film Scoring and Video Game Music

Intermediate study of digital sound synthesis, sampling, and MIDI sequencing, with an emphasis on scoring for film and video games.

Credit Hours: 3

Prerequisite Courses: MUS 214.
Course Repeatability: Course may not be repeated.

PHY 300 - Analog Circuits

Study of passive (resistors, capacitors, inductors) and active (diodes, transistors) components in AC and transient circuits, and integrated circuits utilizing them; skills such as soldering, splicing, and component testing. Culminates in the design and construction of a functional electronic device.

Credit Hours: 4

Prerequisite Courses: PHY 202
University Studies: Explorations Beyond the Classroom, Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

THR 330 - Audio Engineering I

Examination of current techniques employed by system engineers for creating, editing and recording sound effects for theatrical production.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

THR 411 - Three-Dimensional Computer Modeling

A study of software to develop models of scene designs for the stage. Topics include shape and texture generation; light handling; rendering; scanning; and output.

Credit Hours: 3

Prerequisite Courses: THR 211
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

THR 430 - Audio Engineering II

Examination of current techniques employed by system engineers regarding reinforcement techniques for live theatrical events. Emphasis will be on: microphone use for vocal and instrumental reinforcement in musical and non-musical situations, and the integration of system components (both digital and analog) into system designs for live production.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

Additional Information:

Students must earn at least a "C" (2.00) average in courses counted for a minor in information technology. This minor is not available for students majoring in computer science or information technology.

International Affairs Minor

Admission Requirements

Current UNCW Undergraduate Students

- See University Admission Requirements

Requirements for a Minor in International Affairs

Core Courses (6 Credit Hours)

PLS 220 - Introduction to International Relations

Basic analysis of politics among nations. Role of law, force, and diplomacy in world politics; problems of war, peace, and disarmament.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

PLS 425 - International Politics

Students are provided with an overview of the current International system and introduced to the theories actors, their interactions, and the norms of the international system. The impact of the law and norms of international relations or international conflict are analyzed and debated.

Credit Hours: 3

Prerequisite Courses: PLS 220
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
University Studies: Building Competencies/Writing Intensive, Common Requirements/Critical Reasoning
Crosslisting: CMR 525
Course Repeatability: Course may not be repeated.

Elective Courses (9 Credit Hours)

Choose three (3) courses from:

PLS 222 - Contemporary International Political Issues

Important international political issues and their impact on the political processes among the nations of the world. Topics are selected from, but not limited to: the role of the United Nations; environmental policy; separatism and nationalism; religious conflict and international order; terrorism; and economic development.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

PLS 420 - Politics of Nuclear Weapons

Introduction to nuclear weapons policy and strategy with an emphasis on nonproliferation, nuclear security, and nuclear deterrence. Consideration of nuclear weapons technology, why countries seek nuclear weapons, risks to international security, and policy tools deployed to prevent proliferation or use.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

PLS 421 - Causes and Dynamics of Ethnic and Nationalist Conflict

This course introduces students to some of the most intractable and violent conflicts around the world in order to understand various theoretical approaches that explain the onset and dynamics of ethno-nationalist conflicts.

Credit Hours: 3

University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

PLS 422 - Contemporary American Foreign Policy

Roles and interrelationships of Congress, the media, public opinion, the president, the secretaries and departments of state and defense, and the intelligence community are examined. Emphasis is placed on the

content and the dynamic aspects of the process of policy formulation and implementation.

Credit Hours: 3

Prerequisite Courses: PLS 220
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

PLS 423 - National Security Policy

Formulation of security policy, including the roles of the executive and legislative branches and of non-governmental factors; evolution of changing assumptions, strategies, and goals; the nature of U.S. security requirements, U.S. military commitments abroad, and the cost of strategies based on weapons superiority, arms control, and disarmament.

Credit Hours: 3

Prerequisite Courses: PLS 220
Additional Restrictions/Requirements: Prerequisite

course or consent of instructor.
Course Repeatability: Course may not be repeated.

PLS 426 - International Law

Nature, development and basic concepts of international law. Examination of the scope, sources and sanctions of international law; its relation to municipal law; the rights and duties of states and individuals; methods of settling international disputes. Characteristic cases used as illustrations.

Credit Hours: 3

Prerequisite Courses: PLS 220
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

PLS 427 - International Organizations

Survey of the evolution, objectives and methods of various types of regional and universal organizations and their role in contemporary international relations. Special emphasis will be placed on the principal functions and agencies of the United Nations and the

European economic community.

Credit Hours: 3

Prerequisite Courses: PLS 220
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

PLS 495 - Departmental Seminar

Consideration of special topics in political science. May be repeated for additional credit.

Credit Hours: 1 To 3

Additional Restrictions/Requirements: Six hours of political science and consent of department chairperson.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

PLS 498 - Internship in Political Science

Experiential learning with selected public or private agencies or with an individual which allows the student

to utilize academic training while learning from a practical field experience. (Formal research project is a major part of the internship.)

Credit Hours: 3

Prerequisite Courses: PLS 101 and PLS 201 and (PLS 300 or PLS 304 or PLS 308)
Additional Restrictions/Requirements: Prerequisite courses, junior or senior standing, overall 3.00 GPA or consent of instructor.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12 **Repeat Limit:** 1
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

Major Restriction Political Science**Minor Restriction** Pre-Law

Elective Course (3 Credit Hours)

Choose one (1) course from:

PLS 218 - Ethics in International Affairs

Role of morality in international affairs to explore how states and citizens act responsibly in international public life. Drawing on the traditions of realism, liberalism, and utilitarianism along with the just war tradition, the course examines the ethical implications of issues such as war, terrorism, globalization, and genocide.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

PLS 230 - Introduction to Comparative Government and Politics

Comparative analysis of political systems in developed, second- and third-world nations, including an examination of the foundations and structures of selected national governments, such as parliamentary and presidential systems, democratic and non-democratic systems.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

PLS 330 - Political Systems of Africa

Governments and politics of selected sub-Saharan African states. A survey from colonial days to the present with emphasis on contemporary economic, social and political problems.

Credit Hours: 3

Prerequisite Courses: PLS 230
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

PLS 331 - Politics in Developing Nations

Political, economic, and social problems confronting developing nations. Attention will be given to such issues as cultural pluralism, one-party states, military dictatorships, and U.S. relations with the developing world.

Credit Hours: 3

Prerequisite Courses: PLS 230
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

PLS 332 - Politics of Central America

Introduction to core political issues facing the Central American, political history as well as contemporary processes. Students will critically evaluate development and the problems associated with moving from underdeveloped to ""developed"" status.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

PLS 333 - Politics of South America

Politics of South America and the impact of socio-economic forces on the region and its political structures.

Credit Hours: 3

Prerequisite Courses: PLS 230
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

PLS 335 - European Political Systems

Political institutions and processes of selected European countries, including Great Britain, France and Germany.

Credit Hours: 3

Prerequisite Courses: PLS 230
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

PLS 336 - Russian and Post-Soviet Political Systems

Comparative study of the political institutions and processes of Russia and the eastern European Countries. Post-Soviet dynamics and the nature and significance of contemporary changes.

Credit Hours: 3

Prerequisite Courses: PLS 230
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

PLS 337 - Chinese Politics

Political system of China with special emphasis on the challenges of development, democracy, and nation-building in the post-1949 period.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

PLS 338 - Political Systems of the Middle East

Governments and politics of the Middle East with emphasis on the changes that have occurred since 1945. A detailed examination of the forces that have shaped contemporary Middle Eastern politics: Islam, nationalism, modernization, and current political trends. The political institutions and processes and the domestic and foreign policies of selected countries will

be studied.

Credit Hours: 3

Prerequisite Courses: PLS 230
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

PLS 339 - Asian Politics

Recommended: PLS 230. Political systems of selected Asian countries. Special emphasis on the challenges of development, democracy, and nation-building in the post-World War II period.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

PLS 424 - International Security

Investigates war and conflict at the international level and the different ways in which governments individually or collectively work to address the problem.

Credit Hours: 3

Prerequisite Courses: PLS 220
University Studies: Building Competencies/Writing Intensive, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

PLS 427 - International Organizations

Survey of the evolution, objectives and methods of various types of regional and universal organizations and their role in contemporary international relations. Special emphasis will be placed on the principal functions and agencies of the United Nations and the European economic community.

Credit Hours: 3

Prerequisite Courses: PLS 220
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

PLS 428 - Global Terrorism

Investigates the phenomenon of terrorism at the international and global level with particular empasis on why terrorism occurs, and on domestic level and international cooperative counterterrorism.

Credit Hours: 3

Prerequisite Courses: PLS 220
Course Repeatability: Course may not be repeated.

PLS 429 - International Political Economy

Political-economic structures at the international level (trade, finance, and currency) and the impact of the government, business, and human networks that emerge as a result of political-economic interactions between countries.

Credit Hours: 3

Prerequisite Courses: PLS 220
Course Repeatability: Course may not be repeated.

Elective Course (3 Credit Hours)

Choose one (1) course from:

ECN 426 - International Trade and Finance

A consideration of international trade theory and international financial institutions, including comparative advantage, exchange rates and balance of payments problems.

Credit Hours: 3

Prerequisite Courses: ECN 222 and INB 300.
Additional Restrictions/Requirements: Prerequisite courses and either admission to Cameron School of Business or declared minor in economics.
Crosslisting: INB 426.
Course Repeatability: Course may not be repeated.

HST 301 - History of American Foreign Relations since the Progressive Era

Formation and implementation of American foreign policy, including the relationship between foreign policy and American political culture, and the impact of foreign perspectives on U. S. foreign policy since the Progressive Era.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

MGT 352 - International Management

Study of management practices in the international business arena. Emphasis on the necessity of understanding global business interdependencies. Particular attention to developing sensitivity to other cultures, values, customs, and beliefs and their effects on business decisions and practices.

Credit Hours: 3

Prerequisite or Corequisite Courses: MGT 350.
Prerequisite Courses: INB 300.
Additional Restrictions/Requirements: Prerequisite courses and admission to Cameron School of Business.
University Studies: Building Competencies/Writing Intensive
Crosslisting: INB 352
Course Repeatability: Course may not be repeated.

PLS 294 - Transnational Politics Study Abroad I

Lower division special topics in political science taken abroad or partially abroad. Course taught by UNCW faculty or as transfer credit from a foreign institution. Course may be repeated under different subtitles.

Credit Hours: 1 To 12

University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

PLS 334 - Revolutionary Movements

Introduction to the social, political, and economic conditions which give rise to radical response. Examines small rebel bands, or militias (commonly referred to as 'guerrilla' movements), and 'terrorist' organizations, as well as large-scale revolutionary movements.

Credit Hours: 3

Prerequisite Courses: PLS 230
Additional Restrictions/Requirements: Prerequisite

course or consent of instructor.
University Studies: Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

PLS 370 - Global Environmental Governance

Explores international environmental negotiations and agreements of global environmental problems regarding overfishing, climate change, deforestation, biodiversity loss, trans-boundary pollutants, and water scarcity. Examines the debate surrounding sustainable development, ecological justice, and conflicts around resource scarcity.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

PLS 494 - Transnational Politics Study Abroad II

Upper division special topics in political science taken abroad or partially abroad. Course taught by UNCW faculty or as transfer credit from a foreign institution. Course may be repeated under different subtitles.

Credit Hours: 1 To 12

University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

Total Credit Hours: 21

Additional Information

Students must earn at least a "C" (2.00) average among all courses counted toward the minor.

International Studies Minor

Dr. Florentina Andreescu, Chair

International Studies is an interdisciplinary major that focuses on social transformation and innovative responses to seemingly intractable global problems. International Studies students learn to:

- Think across disciplines
- Move between the the local and the global
- Be mindful of the realities of human lives at the center of our investigations

One of UNCW's strategic goals is to "Create an educational environment that prepares our students to be global citizens." Students are prepared to face these global issues and help create a more just and equitable world.

However, preparing students to be competitive in the global workforce is equally as important. Occupations and professions in a variety of settings increasingly emphasize global knowledge, skills and experience.

The International Studies major is designed specifically to meet these goals by offering an interdisciplinary bachelor's degree that provides a distinctive international learning experience for UNCW students. The integrative program curriculum will provide students with:

- A focus on a particular international theme or geographic area of concentration
- Exposure to other cultures, people, and places
- An understanding of one's own culture from international perspectives
- A deeper appreciation of the global society.

Admission Requirements

Current UNCW Undergraduate Students

- See University Admission Requirements

Requirements for a Minor in International Studies

Courses to be distributed as follows:

Core Courses (6 Credit Hours)

INT 105 - Introduction to International Studies

An introductory, interdisciplinary survey of the main concepts and terminology associated with the broad, interdisciplinary field of international studies, including economic, geo-political, and socio-cultural globalization and the effects of these processes on individuals and communities.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

INT 300 - Interdisciplinarity and International Studies

An introduction to the rationale and application of interdisciplinarity to International Studies.

Credit Hours: 3

Prerequisite Courses: INT 105
Additional Restrictions/Requirements: Restricted to International Studies majors or minors.
University Studies: Building Competencies/Writing Intensive, Information Literacy, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

Two additional core courses from the following categories. Courses must be chosen from different catagories.

Development and Environment

INT 230 - Sustainability: From Global Goals to Local Action

Historical overview of how sustainability has been understood, and an introduction to the 17 Sustainable Development Goals (SDGs): what they are, how progress can be measured, and how the SDGs are relevant for the management of the global systems

supporting humanity.

Credit Hours: 3

University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6 **Repeat Limit:** 1

INT 232 - Global Development and its Critics

Exploration of the concept and practice of international 'development.' A study of the development's colonial and capitalist foundations as it evolved through phases such as modernization, globalization, neoliberalism, and extractivism.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

Global Governance

INT 200 - Global Capitalism and its Discontents

An introduction to the history of capitalism, its alternatives, and its benefits and drawbacks in the era

of globalization.

Credit Hours: 3

University Studies: Approaches and Perspectives/Historical and Philosophical Approaches, Approaches and Perspectives/Living in a Global Society, Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

INT 215 - Interdisciplinary Approaches to the Politics of Globalization

Exploration of interdisciplinary and political dimensions of globalization, including the concept of "globalization", what it means in various contexts, and the way in which it developed through the Cold War and beyond. Introduction to an international political economy perspective, which is foundational to understanding globalization and the way we study the world in International Studies.

Credit Hours: 3

University Studies: Approaches and

Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.

Cultural and Social Dynamics

INT 220 - Cultural and Social Globalization

Exploration of contemporary cultural and social changes in the context of globalization. The course focuses on the ways in which various global and local cultural arenas reflect and are transformed by late capitalism's societal shift towards a mode of existence where images and consumerist desires have become the driving forces.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in a Global Society, Critical Reasoning
Course Repeatability: Course may not be repeated.
Major Restriction None**Minor Restriction** None

Electives (9 Credit Hours)

Students are to choose an additional 9 elective credits from the list below. Six (6) credit hours must be from INT courses at the 300-400 level.

ANT 309 - Environmental Anthropology

A study of cultural adaptations as responses of human populations to varied environments; this course will focus upon cultural vs. biological adaptation from the archaeological past to the ethnographic present.

Credit Hours: 3

Prerequisite Courses: ANT 105 or ANT 206 or ANT 207
Additional Restrictions/Requirements: Prerequisite courses or consent of instructor.
University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

ANT 317 - Social Issues in Latin America

Complex national cultures of Latin America. Contemporary issues such as the rights of native peoples, peasant land reform, urban slum settlements,

development of resources, and political and economic reform movements. Case studies of individual countries.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

ANT 318 - Religion and Public Life Across Cultures

Exploration of the relationship between religion and politics and the increasing role of religion in public life across different cultures in the contemporary world. Students will learn about the interactions between religion, politics, and public life in countries with ties to different majoritarian religions such as the U.S.A. (Protestant Christianity), France (Catholicism), Turkey (Sunni Islam), and India (Hinduism).

Course Repeatability: Course may not be repeated.

ANT 327 - Globalization & Culture Change

Explores processes of globalization in local communities by addressing issues and dynamics of

culture change in the contemporary world. Themes include: economic development and underdevelopment; legacies of colonialism; immigration; transnational culture; market and meaning exchanges in media and the arts; and organized resistance to globalization.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

ANT 330 - The Immigrant Experience

Through ethnographic accounts and personal narratives from a variety of global settings, the course examines the economic, social and political factors that prompt migration and explores the cultural adaptations, ethical questions, human rights issues, and public policy debates of immigration and resettlement.

Credit Hours: 3

University Studies: Approaches and

Perspectives/Living in Our Diverse Nation, Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

BIO 150 - Humans and Ecology

Introduction to the principles of ecology including concepts of succession, biotic communities, biodiversity, limits on population growth and conservation of natural resources.

Credit Hours: 3

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

BIO 366 - Ecology

An introduction to basic ecological principles as they pertain to individual organisms, populations, communities and systems. The lab for this course is BIOL 366.

Credit Hours: 3

Prerequisite Courses: BIO 201 and BIO 202
Course Repeatability: Course may not be repeated.

BIO 434 - Coastal Marine Ecology

An in-depth study of the major processes controlling populations and structuring coastal marine communities. Emphasis is on the review and discussion of important historical and recent scientific papers.

Credit Hours: 3

Prerequisite Courses: BIO 366 or BIO 362
Course Repeatability: Course may not be repeated.

BIO 466 - Conservation Biology

A scientific approach to the protection, maintenance, and restoration of biological diversity, including its ecological and evolutionary processes and total environment.

Credit Hours: 3

Prerequisite Courses: BIO 366 or BIO 362
Additional Restrictions/Requirements: Junior or senior standing.
Course Repeatability: Course may not be repeated.

BIO 482 - Wildlife Ecology

Principles of wildlife ecology and management, including population dynamics, diseases, techniques, behavior, habitat manipulations, policy and administration, and contemporary issues such as antihunting. Assigned field problems.

Credit Hours: 3

Prerequisite Courses: BIO 366
Additional Restrictions/Requirements: Junior or senior standing.
Course Repeatability: Course may not be repeated.

BIO 487 - Introduction to Coastal Management

Interdisciplinary study of human impact on coastal environments and organisms. Physical and biotic settings of worldwide coastal regions, principles of coastal management, current topics in coastal

management, and analysis of potential solutions to coastal problems.

Credit Hours: 0 Or 4

Additional Restrictions/Requirements: Junior or senior standing or consent of instructors.
Crosslisting: OCN 458, GLY 558
Course Repeatability: Course may not be repeated.

BIOL 366 - Ecology Laboratory

Introduction to ecological sampling techniques and data analysis. Experience in field sampling, laboratory and computer modeling of sampling approaches, and scientific writing is also included. This course is the lab for BIO 366. This course is the lab for BIO 366.

Credit Hours: 1

Prerequisite or Corequisite Courses: BIO 366
University Studies: Building Competencies/Writing Intensive, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

BLA 371 - International Business Law

An examination of the legal, political, social and cultural aspects of doing business abroad. The course will cover major legal systems of the world, the political and governmental structures of various nations, international organizations, the law of international business transactions, and the settlement of transnational legal disputes. The course also will highlight cultural challenges and opportunities that an American may encounter in international business.

Credit Hours: 3

Additional Restrictions/Requirements: Junior or senior standing or consent of Department Chair.
Course Repeatability: Course may not be repeated.

CHM 377 - Environmental Chemistry

Introduction to the chemistry of air, soil, and natural waters. Processes of environmental degradation, cleanup, and pollution prevention. Selected current topics. The lab for this course is CHML 377.

Credit Hours: 3

Prerequisite Courses: CHM 102 and CHML 102.
Course Repeatability: Course may not be repeated.

CHML 377 - Environmental Chemistry Laboratory

Laboratory analysis of environmental samples, including applications of standard EPA methods. This course is the lab for CHM 377.

Credit Hours: 1

Corequisite Courses: CHM 377
Course Repeatability: Course may not be repeated.

CRM 410 - World Criminal Justice Systems

Comparative study of criminal justice systems throughout the world. Attention to historical, structural, political, legal and philosophical similarities and differences.

Credit Hours: 3

Prerequisite Courses: CRM 105
Additional Restrictions/Requirements: Prerequisite

course plus 6 additional hours in CRM.
Course Repeatability: Course may not be repeated.

EBD 280 - Entrepreneurship for Non-Business Majors

Primary focus on the entrepreneurial mindset and the process for starting a business. Specific areas include the characteristics of successful entrepreneurs, profiles of successful new businesses, identifying and evaluating new business opportunities, and developing the business plan. Social and developmental entrepreneurship are also addressed.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.

EBD 482 - Global Entrepreneurship and Exporting

Primary focus on entrepreneurial activities within the international arena. Particular attention on the

mechanisms of international entry modes, import and export management, licensing mechanisms, international financing, the impact of globalization, identifying business opportunities, risk assessment, legal and accounting implications of international activities, and international intellectual protection processes. Upon completion of this course, students will be qualified to take the Certified Global Business Professional (CGBP) exam.

Credit Hours: 3

Prerequisite Courses: INB 300
Additional Restrictions/Requirements: Prerequisite course and admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.

ECN 250 - Capitalism and the Global Market

An introduction to the history of capitalism, the current global market society, and the ethics of capitalism.

Credit Hours: 3

University Studies: Approaches and

Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.

ECN 326 - Comparative Economic Systems

Analysis of economic systems operating under capitalism, socialism, communism, and fascism; institutions and organization of production and government; decision-making; distribution of income; problems of developing nations.

Credit Hours: 3

Prerequisite Courses: ECN 125 or ECN 222.
Additional Restrictions/Requirements: Prerequisite courses and either admission to Cameron School of Business or declared minor in economics.
University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

ECN 330 - Natural Resource Economics

Economic principles are developed and applied to evaluate public and private decisions involving the use

and allocation of natural resources. Optimal control theory is developed and applied to the management of natural resources. Attention is given to specific resources management areas such as forests and fisheries. The feasibility of alternatives for public policy is evaluated.

Credit Hours: 3

Prerequisite Courses: ECN 125 or ECN 221
Crosslisting: EVS 330
Course Repeatability: Course may not be repeated.

ENG 301 - International Journalism

Study of news practices across borders and within different regional contexts. Themes include foreign correspondence, news flows, and media's relationship to globalization and development.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

ENG 340 - Multiculturalism and Literature

Multicultural literatures within and outside of the United States, such as African and African American, Asian and Asian American, and Latin American and Latino literature; introduction to contemporary perspectives on multiculturalism.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
Course Repeatability: Course may not be repeated.

ENG 341 - Studies in the Global South

Study of literature, cultural practices, politics, and concepts related to the Global South, with an emphasis on Latin America, South Asia, Africa, the Caribbean, and possible reverberations/intersections in the US South.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG

205 is strongly recommended.
University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

ENG 342 - Transnational Literatures

Study of a topic in transnational literatures. Courses focus literary and cultural production across multiple geographical locations and historical periods. Courses place a particular emphasis on the circumstances that shape the interrelations between diverse cultural practices.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6

ENG 359 - World Indigenous Literature and Film

Study of past and present literatures and film produced by various indigneous peoples from outside the United States.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6

ENG 412 - Writing in Intercultural and Global Contexts

Develops competency in writing within intercultural and global contexts. Focuses on developing critical perspective about cultural concepts and theories in the context of globalization through broader frameworks of discourse, commodities, space, and labor in everyday life.

Credit Hours: 3

University Studies: Building Competencies/Writing Intensive, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

EVS 195 - Introduction to Environmental Sciences

Interdisciplinary introduction to the scope and application of environmental sciences. Emphasis on integrated analysis of environmental principles and discussions centering on current environmental problems. The lab for this course is EVSL 195.

Credit Hours: 3

Additional Restrictions/Requirements: EVS 195 and EVSL 195 may be taken in different semesters.
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

EVS 205 - Global Environmental Issues

Interdisciplinary study of contemporary environmental issues at a global scale, such as climate change, human population, biodiversity loss, food and water scarcity, energy, stratospheric ozone depletion, acid rain, and environmental justice. Causes, effects, policy implications, international negotiations, and development of treaties will be examined.

Credit Hours: 3

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

EVS 325 - Environmental Economics

Application of basic economic principles to help understand environmental problems and evaluate alternative solutions. Economic principles used to analyze fundamental environmental issues such as property rights, externalities, conservation, public good, environmental protection, natural resource damage assessment, and pollution control. Specific focus on

methods for non-market valuation.

Credit Hours: 3

Prerequisite Courses: ECN 125 or ECN 221
Crosslisting: ECN 325
Course Repeatability: Course may not be repeated.

EVS 431 - International Field Experience

An interdisciplinary introduction to environmental field methods and investigation in foreign countries. Focused study on environmental issues and problems specific to host country on local, regional, and global scales. Course integrates field and classroom instruction. Additional Course Fees: Student Blanket Professional Liability Insurance.

Credit Hours: 1

Prerequisite Courses: EVS 195
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
University Studies: Explorations Beyond the Classroom

Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6 **Repeat Limit:** 5

EVS 466 - Sustainable Tourism

Introduction to concepts and principles of sustainable tourism development, emphasizing implications for management and planning. Cases from the U.S. and around the world are used to examine and discuss issues and practices of sustainable tourism development within different geocultural contexts.

Credit Hours: 3

Additional Restrictions/Requirements: Junior or senior standing, or permission of instructor.
Course Repeatability: Course may not be repeated.

FNA 101 - Cultures of the World Through Music and Dance

Examination of a variety of musical styles and dance forms from around the world, with attention to cultural issues and practices. Includes participation in dance and musical experiences.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

FRH 412 - The Francophone World

Study of representative literary and non-literary texts, films and sound recordings from French-speaking cultures in North America, the Caribbean, Africa, Asia, and elsewhere. Oral and written reports.

Credit Hours: 3

Prerequisite Courses: FRH 301 or FRH 302 or FRH 303 or placement by exam
Additional Restrictions/Requirements: Permission of the instructor.
University Studies: Building Competencies/Writing Intensive, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

GGY 130 - Geosystems

Spatial distribution of environmental elements and processes, including weather and climate, groundwater, soils, rocks, plate tectonics, landforms, and vegetation. Three lecture and two laboratory hours each week.

Credit Hours: 4

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World, Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

GGY 180 - World Regional Geography

Regional survey of historical, physical, economic, and cultural geography of world regions. Fundamental locational geography as the foundation for a clear world view and an understanding of global interdependence.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

GGY 230 - Introduction to Weather and Climate

Examination of general climatic characteristics through space and time, especially as influenced by controls upon temperature, wind and moisture distributions, and by planetary, regional and local atmospheric disturbances.

Credit Hours: 3

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

GGY 322 - Introduction to Remote Sensing

Theory and application of remote sensing techniques and software applications for environmental sciences, geography, earth sciences, hydrology, archaeology, forestry, and public health. Includes satellite data collection, digital image processing, multispectral image analysis, introduction to thermal infrared and microwave data through laboratory exercises. Students work in small groups to apply remote sensing concepts

to solve complex problems. Two lecture and two laboratory hours each week.

Credit Hours: 3

Prerequisite Courses: GGY 130 or GGY 215 or GLY 101 or GLY 120 or OCN 150 or EVS 195 or consent of instructor.
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

GGY 335 - Geomorphology

A systematic treatment of the surface processes that shape fluvial, glacial, aeolian, and coastal landforms. Themes include process mechanics, description and classification of landforms, and evolution of landform systems. Students work individually or in small groups to analyze geomorphological data in field and laboratory settings. Three lecture and three laboratory hours each week.

Credit Hours: 4

Prerequisite Courses: GGY 130 or GLY 101 or GLY 120 or OCN 150.
Crosslisting: GLY 335
Course Repeatability: Course may not be repeated.

GGY 340 - Global Change: Population, Resources, and the Environment

Introduction to the four major driving forces of global change: demographic trends, natural resource use, climate change, and globalization. Explores the role of economic and cultural development and analyzes regional patterns that result in the unique manifestations of global change.

Credit Hours: 3

Prerequisite Courses: GGY 130 or GGY 101 or GGY 180, or consent of instructor.
Course Repeatability: Course may not be repeated.

GGY 420 - Global Climate Change

Analysis of natural and anthropogenic global climate change with an emphasis on future global climate change. Topics include Earth's energy balance, the

global carbon cycle, climate modeling, atmospheric composition and dynamics. Review of geographical variation in climate change.

Credit Hours: 3

Prerequisite Courses: GGY 230
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
University Studies: Building Competencies/Writing Intensive
Crosslisting: GLY 420, PHY 420
Course Repeatability: Course may not be repeated.

GGY 435 - Environmental Geography

A systems approach to understanding past, present and future human impacts on the natural environment, including changes and impacts on the hydrosphere, atmosphere, biosphere, geosphere and cryosphere. A team-based learning experience emphasizing socio-environmental synthesis and concept application through a series of case studies discussion.

Credit Hours: 3

Prerequisite Courses: GGY 321 or consent of instructor
University Studies: Building Competencies/Writing Intensive
Crosslisting: GGY 535
Course Repeatability: Course may not be repeated.

GGY 436 - Ice Age Earth

A review of the Quaternary Period, roughly the last two million years of earth history. Topics included the discovery of the ice age, climate change theory, glacial dynamics, geological and biological records of environmental change, and human evolution and migration during the Quaternary.

Credit Hours: 3

Prerequisite Courses: GGY 130 or GGY 230 or GLY 101 or OCN 150.
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
University Studies: Building Competencies/Writing

Intensive
Course Repeatability: Course may not be repeated.

GLY 120 - Environmental Geology

Introduction to the relationships between man and his geologic environment. Concerned with the problems that people have in using the earth and the reaction of the earth to that use. Emphasis is placed on earth processes, earth resources, and properties of rocks and surficial deposits insofar as they are important to or affect human activities. The lab for this course is GLYL 120.

Credit Hours: 3

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

GLY 125 - Natural Disasters

Examination of the causes, effects, and options available to mitigate actual disasters, such as

earthquakes, volcanic eruptions, landslides, subsidence, flooding, severe weather, and meteorite impacts. Case histories are used to demonstrate scientific principles and socioeconomic issues.

Credit Hours: 3

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

GLYL 120 - Environmental Geology Lab

Laboratory analysis of earth materials and resources. Applications of geologic principles to solving current environmental problems. This course is the lab for GLY 120.

Credit Hours: 1

Prerequisite Courses: Prerequisite or corequisite: GLY 120.
University Studies: Approaches and

Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

HON 212 - Honors Topical Interdisciplinary Seminar: Living in a Global Society

An in-depth investigation of a special topic related to the theme 'Living in a Global Society' using the approaches of several disciplines; may be team-taught. Topics and approaches vary. Examples are 'Brazilian Culture' and 'Germs of the World.' May be repeated under different subtitles.

Credit Hours: 3

Additional Restrictions/Requirements: Formal enrollment in the Honors Scholars College or consent of director.
University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

HST 270 - Global Issues in Historical Perspective

Selected themes and events in international or global history, with particular attention to cultural, intellectual, and/or economic exchanges between the 'West' and the wider world. Topics include: Society and the Supernatural, International Slave Trade. May be repeated under different subtitles.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in a Global Society, Approaches and Perspectives/Historical and Philosophical Approaches
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

HST 363 - History of Modern East Asia

Survey of East Asian history from the mid-nineteenth century to the present, with emphasis on China and Japan and secondary attention to Korea and Vietnam. Course may be repeated for credit under different subtitles.

Credit Hours: 3

Additional Restrictions/Requirements: Any HST course or consent of instructor.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 9 **Repeat Limit:** 3

HST 372 - History of Modern Africa

Historical survey of African history from 1800 to the present with emphasis on the abolition of slavery and the slave trade; the scramble for Africa; establishment and operation of colonial rule; independence movements; and the post-colonial period.

Credit Hours: 3

Additional Restrictions/Requirements: Any HST course or consent of instructor.
Course Repeatability: Course may not be repeated.

HST 377 - Topics in International History

Selected themes and events in international or transnational history. Examples of course topics include: The Second World War, Age of Napoleon. May be repeated under different subtitles.

Credit Hours: 3

Additional Restrictions/Requirements: Any HST course or consent of instructor.
Course Repeatability: Course may be repeated.

INB 300 - International Business

Survey course of the importance of global issues as firms attempt to compete across the world. Key topics include: anticipating and preparing for global competition, understanding international trade theory and differences in political economies, reviewing global and regional economic integration, considering international market entry processes, and examining key cross-cultural issues affecting business operations.

Credit Hours: 3

Prerequisite Courses: ECN 222
Additional Restrictions/Requirements: Junior or senior standing, prerequisite course, or admission to the Cameron School of Business.
University Studies: Approaches and

Perspectives/Living in a Global Society, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

INB 377 - International Operations Management

A study of global operations and logistics in the manufacturing and service sectors. Topics include organization of global operations, global manufacturing, global sourcing and logistics, global technology transfer, global risk management, and cultural and national comparisons of operations management practices. Case studies are used.

Credit Hours: 3

Prerequisite Courses: INB 300 and SCM 370
Additional Restrictions/Requirements: Prerequisite courses and admission to Cameron School of Business.
Crosslisting: SCM 377
Course Repeatability: Course may not be repeated.

INB 426 - International Trade and Finance

A consideration of international trade theory and international financial institutions, including comparative advantage, exchange rates and balance of payments problems.

Credit Hours: 3

Prerequisite Courses: ECN 222 and INB 300
Additional Restrictions/Requirements: Prerequisite courses and admission to Cameron School of Business.
Crosslisting: ECN 426
Course Repeatability: Course may not be repeated.

INB 439 - Multinational Financial Management

An examination of the issues affecting the financial managers of multinational corporations. Topics include managing foreign exchange risk, international financial decisions, and factors affecting foreign direct investment.

Credit Hours: 3

Prerequisite Courses: FIN 335 and INB 300

Additional Restrictions/Requirements: Prerequisite courses and admission to Cameron School of Business.
Crosslisting: FIN 439
Course Repeatability: Course may not be repeated.

INB 442 - International Marketing

Focus is on the special framework in which international marketing is conducted. Influence of international institutions, culture, stage of economic development, geography and demography are covered. Emphasis on multinational marketing problems and opportunities in an ever-changing world.

Credit Hours: 3

Prerequisite Courses: INB 300 and MKT 340
Additional Restrictions/Requirements: Prerequisite courses and admission to Cameron School of Business.
Crosslisting: MKT 442
Course Repeatability: Course may not be repeated.

INT 200 - Global Capitalism and its Discontents

An introduction to the history of capitalism, its alternatives, and its benefits and drawbacks in the era of globalization.

Credit Hours: 3

University Studies: Approaches and Perspectives/Historical and Philosophical Approaches, Approaches and Perspectives/Living in a Global Society, Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

INT 215 - Interdisciplinary Approaches to the Politics of Globalization

Exploration of interdisciplinary and political dimensions of globalization, including the concept of "globalization", what it means in various contexts, and the way in which it developed through the Cold War and beyond. Introduction to an international political economy perspective, which is foundational to understanding globalization and the way we study the world in International Studies.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.

INT 230 - Sustainability: From Global Goals to Local Action

Historical overview of how sustainability has been understood, and an introduction to the 17 Sustainable Development Goals (SDGs): what they are, how progress can be measured, and how the SDGs are relevant for the management of the global systems supporting humanity.

Credit Hours: 3

University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6 **Repeat Limit:** 1

INT 311 - Film and the Feminine Ideal in Post Communist Eastern and Central European Cinema

An introduction to gender in transitional societies, politics, and economics through the medium of film with a focus on Post Communist Eastern and Central European women.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

INT 314 - International NGOs, Globalization, and Development

Interdisciplinary overview of theories on the role international Nongovernmental Organizations play in the development of a country including development of political and economic institutions. Focus on the mounting internal and external challenges that threaten the promise of international Nongovernmental organizations, particularly in the Global South.

Credit Hours: 3

Prerequisite Courses: INT 105 or permission of instructor.
Course Repeatability: Course may not be repeated.

INT 315 - Topics in Globalization

Intensive study of a selected topic or theme in globalization. May be repeated under different subtitles.

Credit Hours: 3

Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

INT 316 - Global Protest Movements

An examination of global protests and activism for social, political or economic change.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in A Global Society, Building

Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

INT 317 - Dictators, Despots, and Presidents for Life

An examination of global history and current events through the lens of despotic governments and authoritarian regimes.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

INT 318 - Transitional Justice

An overview of the major theories of transitional justice that considers the range of processes and mechanisms available. Examines the legacies of human rights abuses through the exploration of the field's most emblematic case studies from a number of countries, such as South Africa, Rwanda, Argentina, Chile, and Bosnia Herzegovina.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

INT 319 - Insurgency

Exploration of violent and nonviolent political movements by examining structural causes, mobilization, ideologies related to insurgencies, the global dimensions related to contagion effects, and transnational insurgent movements.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Major Restriction None**Minor Restriction** None

INT 322 - Environmental Extractivism and the Anthropocene

Interdisciplinary exploration of environmental and development challenges brought about by climate change and resource extraction. Students engage with key social science approaches and different cultural perspectives on nature, ecology, and anthropogenic environmental change through diverse case studies.

Credit Hours: 3

Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6 **Repeat Limit:** 1

INT 331 - The New Scramble for Africa

Interdisciplinary overview of environmental history and development in Africa from the colonial era to the present.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Major Restriction None**Minor Restriction** None

INT 332 - Global Politics of Food: An African Perspective

An examination of the global political economy of food through interdisciplinary examples from Africa with an exploration of the evolution of the human diet and traditional food production systems; the importance of culture in assigning meaning to food and how it is consumed; relationships between population, nutrition, and health; standards in the international trade of

foods; the history and politics of food aid; food sovreignity and sustainable development; and the relationship between the environment and food security.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

INT 333 - China in Africa

Examination of the historical and contemporary linkages between Africa and China. This course aims to provide students an opportunity to critically discuss and analyze China-Africa, or Africa-China, socioeconomic relations and their implications for future political relations.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

INT 336 - Modern China through Film

Examination of the social, cultural, economic, and political issues confronting modern China as

constructed in feature films produced inside the country and the West including before and after the Communists came to power.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

INT 337 - China Encounters the World

Examination of how China has encountered the world since the 17th century, with emphasis on the late 19th and 20th centuries and how China has emerged as a major power in the 21st century.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

INT 338 - Modern Japan through Film

An exploration of how modern Japan, from the Togugawa period (1600-1867) through the Meiji Restoration (1868), and into the contemporary Showa (1926-1989) and Heisei (1989-) eras, has been constructed and represented in feature films.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

INT 339 - Japan Encounters the World

Focus on the emergence of Japan as a regional economic and political power in Asia, and global actor. Emphasis is given to Japan's historical transformation from isolation in the 17th century to a global power in the 20th and 21st centuries.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

INT 344 - Russia in the World

Exploration of Russia's internal self perception as a people and state coming to terms with a new existence in the Post-Cold War World. Russia has always perceived itself to be a major global actor, and struggles against Western interpretations of it as an aberrant state, and a regional actor only.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Major Restriction none**Minor Restriction** none

INT 351 - The Contemporary Persian Gulf

Examination of the political, social, and economic history and issues of the Persian/Arabian Gulf in the 19th, 20th, and 21st centuries.

Credit Hours: 3

University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

INT 352 - The Contemporary Middle East

Examination of the political, social, and economic history and issues of the modern Middle East.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

INT 360 - Global Development: African Perspectives

Examination of recent trends in global development based upon broad agendas designed and implemented under the following United Nations frameworks: the Millennium Development Goals (MDGs) and the Sustainable Development Goals (SDGs).

Credit Hours: 3

Course Repeatability: Course may not be repeated.

INT 361 - Ethnic Conflicts and Territorial Disputes

Examination of modern territorial disputes and ethnic conflicts in Asia, Europe, Africa and the Middle East in the 20th and 21st centuries.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

INT 362 - International Human Rights

Examination of basic human rights principles, instruments and institutions, and an overview of current issues and debates in practical and political dynamics of human rights. Takes a multi-disciplinary approach, drawing together contributions from political and social scientists, philosophers, lawyers, and policy experts and makes extensive use of case studies to illustrate key points.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

INT 363 - Global Political Economy

Explores the dynamic ways in which markets, states, and societies interact with one another, within a context of increasing global economic, political, and cultural interdependence. The course combines a focus on Global Political Economy's main theoretical approaches with the analysis of stringent issues triggered by the expansion and intensification of economic, political, and cultural life at a global level.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

INT 364 - Global Populism

An exploration of old and new populist movements, the causes of their resurgence in the United States and around the world, and their possible long-term consequences.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

INT 365 - Globalization and Social Change

An examination of the relationship between globalization and the contemporary cultural and social changes, focusing on various global and local cultural arenas transformed by late capitalism's societal shift from a structural reliance on language and prohibition of enjoyment, to a mode of existence where images and consumerist enjoyment have become the driving force.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

INT 366 - Comparative Political Regimes through Film

A comparison of post-cold war films produced in Russia, the USA, and China as representatives of three civilizations: Eastern-Orthodox, Confucian, and Western; as well as of three political regimes; democracy, transitional democracy, and authoritarian.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

INT 367 - America through Foreign Eyes

An examination of how non-Americans view the United States and its citizens. The course will reveal both the positive and negative images of America and Americans, as well as how these images are created and perpetuated and their consequences.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

INT 369 - Edible Culture: Globalization, Food, and Identity

Study of Globalization and its relation to food consumption, health, nutrition, and food supply. Topics include food and cultural traditions, community building, construction of identities, and social relationships.

Course Repeatability: Course may be repeated.

INT 370 - Forced Migration and Refugees

Examines forced migration and the institutional response for resolving large-scale displacement, including the rights and responsibilities of different actors in the contemporary international refugee regime. Considers global and local responses to the challenges of forced migration, investigating the obstacles to providing effective support for displaced persons.

Course Repeatability: Course may not be repeated.

INT 400 - The Cinema of Globalization

Study of globalization through the lens of cinema. Film as a popular means of socialization reflects and reinforces cultural characteristics, as well as offers a complex image of political life. This course, in line with the so-called "aesthetic turn" in International Studies helps students get a richer understanding of globalization through the medium of film.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

INT 405 - INT 405 - War in the Global System - Masters

Exploration of warfare in the post-Cold War era. Most wars today are Intrastate in nature, centered on identity, issues, and largely a consequence of decolonization processes. Explores these issues through interdisciplinary research drawn from the fields of peace studies and conflict management.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

INT 415 - Global Politics and Everyday Life in the Age of AI

Exploration of the transformative impact of AI and machine learning on global politics and daily life, analyzing social trauma, identity, and shifts in time, space, and authority. This interdisciplinary course engages lived experiences, unfolding events, and multilayered analyses to examine security, social fantasy, and ontological challenges.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

INT 480 - Global Issues

Intensive study of a selected international topic or theme. May be repeated for credit under a different subtitle.

Credit Hours: 3

Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

INT 491 - Directed Individual Study

Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.

Credit Hours: 1 To 3

Additional Restrictions/Requirements: Junior or senior standing, overall GPA of at least 2.00, and consent of instructor, program director and dean.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

INT 494 - International Student Exchange

Senior-level designation for UNCW students participating in a semester exchange program in another country.

Credit Hours: 12

University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

INT 495 - Seminar in International Studies

Research of a selected international topic or theme. May be repeated under different subtitles.

Credit Hours: 3

Prerequisite Courses: INT 105 and INT 300
Additional Restrictions/Requirements: Prerequisite courses or consent of instructor.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

INT 499 - Honors Work in International Studies

Independent study for honors students.

Credit Hours: 2 To 3

Additional Restrictions/Requirements: Senior standing and eligibility for honors program.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6

JPN 311 - Perspectives on Contemporary Japanese Culture

Social, economic, and political issues in contemporary Japanese culture explored through a variety of sources with particular emphasis on comparing and contrasting Japanese and international perspectives on trends and issues of global significance including national identity, the family unit, rights and responsibilities of individuals, and sustainability. Course taught in English.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

LED 385 - Global Applications of Leadership

This course is designed to accompany faculty-led study abroad in the Leadership Studies Minor. The course provides opportunities to learn about leadership in another country, observe and interact with organizational leaders in multiple settings, and apply leadership theory and knowledge in an international context through completion of a leadership project.

Credit Hours: 1 To 3

Course Repeatability: Course may be repeated.

MGT 352 - International Management

Study of management practices in the international business arena. Emphasis on the necessity of understanding global business interdependencies. Particular attention to developing sensitivity to other cultures, values, customs, and beliefs and their effects on business decisions and practices.

Credit Hours: 3

Prerequisite or Corequisite Courses: MGT 350.
Prerequisite Courses: INB 300.

Additional Restrictions/Requirements: Prerequisite courses and admission to Cameron School of Business.
University Studies: Building Competencies/Writing Intensive
Crosslisting: INB 352
Course Repeatability: Course may not be repeated.

OCN 150 - Introduction to Oceanography

An introduction to the geology, physics, chemistry, and biology of the ocean; instruments and techniques of oceanography; resources of the ocean. The lab for this course is OCNL 150.

Credit Hours: 3

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

OCN 350 - Advanced Oceanography

An in-depth examination of the structure and formation of ocean basins, the role of oceans in the hydrological

cycle, the physical properties of seawater, atmospheric and ocean circulation, waves, and tides. Emphasis on data analysis and quantitative problem solving.

Credit Hours: 3

Prerequisite Courses: OCN 150
University Studies: Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

OCN 475 - Marine Biogeochemistry

A geochemical perspective on the chemistry of the world's oceans with an emphasis on carbon cycling through the marine geosphere and biosphere. Topics include introductions to chemical oceanography, stable isotope geochemistry, paleoceanography, and investigations into the role of the oceans in the global carbon cycle through time.

Credit Hours: 3

Prerequisite Courses: CHM 101 and CHML 101; and CHM 102 and CHML 102.

Additional Restrictions/Requirements: Prerequisite courses or consent of instructor.
Crosslisting: GLY 575.
Course Repeatability: Course may not be repeated.

PAR 232 - Asian Religions

A survey of Hinduism, Buddhism, Taoism, and Confucianism; historical aspects, basic insights, contemporary relevance.

Credit Hours: 3

University Studies: Approaches and Perspectives/Historical and Philosophical Approaches, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

PAR 233 - African Religions

Religions of Africa, including traditional and non-traditional religious systems, and their impact on African societies and Africanism in the Americas.

Credit Hours: 3

University Studies: Approaches and Perspectives/Historical and Philosophical Approaches, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

PBH 401 - Foundations of Environmental Health

Overview of assessment, control, prevention, and safety of human health from environmental and occupational risk factors. Topics include pollution wastes, toxic metals, pesticides, radiation, vector borne diseases, and occupational injuries and stressors. Emphasizing deleterious effects of industrialization on developing countries, effects of globalization, and the rise of the environmental justice movement.

Credit Hours: 3

Additional Restrictions/Requirements: Minimum passing grade of "C-" or above required in each PBH course to progress in the program. Open to PBH majors only; or consent of instructor.
Course Repeatability: Course may not be repeated.

PHY 475 - Physical Oceanography

An introduction to the descriptive and dynamical features of ocean circulation. Topics include: the physical properties of seawater; oceanic heat budget; dynamics of ocean currents; descriptive oceanography; waves and tides.

Credit Hours: 3

Prerequisite Courses: (MAT 152 or MAT 162) and (PHY 102 or PHY 202)
Crosslisting: PHY 575
Course Repeatability: Course may not be repeated.

PLS 220 - Introduction to International Relations

Basic analysis of politics among nations. Role of law, force, and diplomacy in world politics; problems of war, peace, and disarmament.

Credit Hours: 3

University Studies: Approaches and

Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

PLS 331 - Politics in Developing Nations

Political, economic, and social problems confronting developing nations. Attention will be given to such issues as cultural pluralism, one-party states, military dictatorships, and U.S. relations with the developing world.

Credit Hours: 3

Prerequisite Courses: PLS 230
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

PLS 360 - Introduction to Nonprofit Management

Covers management fundamentals in the nonprofit sector. Selected topics include governance, human relations, financial management, public relations and fundraising.

Credit Hours: 3

University Studies: Explorations Beyond the Classroom/Certified Internship Program
Course Repeatability: Course may not be repeated.

PLS 361 - Nonprofit Resource Development

Examines the range of ways for nonprofit organizations to raise funds from individuals, government, foundations, and corporations. Major theoretical foundations of fund development, general fundraising principles, donor market segregation, fundraising techniques, and key aspects of managing the fundraising process.

Credit Hours: 3

University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.

PLS 370 - Global Environmental Governance

Explores international environmental negotiations and agreements of global environmental problems

regarding overfishing, climate change, deforestation, biodiversity loss, trans-boundary pollutants, and water scarcity. Examines the debate surrounding sustainable development, ecological justice, and conflicts around resource scarcity.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

PLS 420 - Politics of Nuclear Weapons

Introduction to nuclear weapons policy and strategy with an emphasis on nonproliferation, nuclear security, and nuclear deterrence. Consideration of nuclear weapons technology, why countries seek nuclear weapons, risks to international security, and policy tools deployed to prevent proliferation or use.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

PLS 421 - Causes and Dynamics of Ethnic and Nationalist Conflict

This course introduces students to some of the most intractable and violent conflicts around the world in order to understand various theoretical approaches that explain the onset and dynamics of ethno-nationalist conflicts.

Credit Hours: 3

University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

PLS 424 - International Security

Investigates war and conflict at the international level and the different ways in which governments individually or collectively work to address the problem.

Credit Hours: 3

Prerequisite Courses: PLS 220
University Studies: Building Competencies/Writing Intensive, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

PLS 426 - International Law

Nature, development and basic concepts of international law. Examination of the scope, sources and sanctions of international law; its relation to municipal law; the rights and duties of states and individuals; methods of settling international disputes. Characteristic cases used as illustrations.

Credit Hours: 3

Prerequisite Courses: PLS 220
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

PLS 427 - International Organizations

Survey of the evolution, objectives and methods of various types of regional and universal organizations and their role in contemporary international relations. Special emphasis will be placed on the principal functions and agencies of the United Nations and the European economic community.

Credit Hours: 3

Prerequisite Courses: PLS 220
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

PLS 428 - Global Terrorism

Investigates the phenomenon of terrorism at the international and global level with particular empasis on why terrorism occurs, and on domestic level and international cooperative counterterrorism.

Credit Hours: 3

Prerequisite Courses: PLS 220
Course Repeatability: Course may not be repeated.

PLS 429 - International Political Economy

Political-economic structures at the international level (trade, finance, and currency) and the impact of the government, business, and human networks that emerge as a result of political-economic interactions between countries.

Credit Hours: 3

Prerequisite Courses: PLS 220
Course Repeatability: Course may not be repeated.

PLS 463 - International Development

Examines the field of international development including economic development and governance assistance activities with attention to classic theories as well as current debates and innovative approaches.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

PLS 464 - Democracy and Authoritarianism

Integrative course focusing on scholarly literature on democracy, authoritarianism, and democratization, with an emphasis on real world examples of regime types and transitions.

Credit Hours: 3

Prerequisite Courses: PLS 230

Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

PSY 270 - Cross-Cultural Psychology

Psychological study of the impact of culture on behavior. Topics including cultural effects on perception, cognition, personality, emotions, development, and mental health will be examined. Emphasis on application of cultural frames of reference to living in a global society.

Credit Hours: 3

Prerequisite Courses: PSY 105
University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

PSY 370 - Environmental Psychology

Interactions between the physical environment and the behavior of the individual. Emphasis on perception of

the environment, the behavioral effects of noxious factors in the environment, the psychology of environmental design, and the formation and change of attitudes about the environment.

Credit Hours: 3

Prerequisite Courses: PSY 105 and (PSY 246 or PSY 264 or EVS 195)
Crosslisting: EVS 370
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

REC 451 - Travel and Tourism

A description of the key components that make a global tourism designation a success: traveler's motivation, theories of behavior, planning, development, and forecasting supply and demand. Students also learn about the delicate and sensitive relationship tourism has with its surrounding social, natural, and coastal environment.

Credit Hours: 3

Prerequisite Courses: REC 375
Additional Restrictions/Requirements: REC majors and minors only or permission of instructor.
University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

REC 454 - International Meeting Planning

The organization and production of international corporate meetings, seminars, events, and conferences using innovative and creative programs. It focuses on international planning considerations including organizing and/or hosting international events, managing finances internationally, cultural differences, international contracting, marketing, traveling overseas, and safety and security.

Credit Hours: 3

Prerequisite Courses: REC 381
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SCM 370 - Principles of Operations Management

This course provides a study of the drivers of quality, customer satisfaction, efficiency and productivity in service and manufacturing enterprises. Topics include product and service design, forecasting, quality management, facility location and layout, materials management, scheduling, project management, and supply chain management. While topics are covered for both manufacturing and service operations, attention is directed to the study and analysis of the operations management function in service enterprises.

Credit Hours: 3

Prerequisite or Corequisite Courses: BAN 280 or STT 215
University Studies: Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SCM 377 - International Operations Management

A study of global operations and logistics in the manufacturing and service sectors. Topics include organization of global operations, global manufacturing, global sourcing and logistics, global technology transfer, global risk management, and cultural and national comparisons of operations management practices. Case studies are used.

Credit Hours: 3

Prerequisite Courses: INB 300 and SCM 370
Additional Restrictions/Requirements: Prerequisite courses and admission to Cameron School of Business.
University Studies: Approaches and Perspectives/Living in a Global Society, Building Competencies/Writing Intensive
Crosslisting: INB 377
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 240 - Individuals and Societies in a Global World

Introduction to globalization as an ongoing socio-economic process and as an analytical concept. Examines various aspects of globalization of economies and societies.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 305 - Demography

A study of the changes in size, composition, distribution of population and the dynamics underlying them.

Credit Hours: 3

Prerequisite Courses: SOC 105
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 355 - Social Movements

Analysis of why people protest and form collectives. Examination of the research and theories in social movements with special attention to origins, dynamics, and consequences using a sociological lens.

Credit Hours: 3

Prerequisite Courses: SOC 105.
University Studies: Approaches and Perspectives/Living in a Diverse Nation
Course Repeatability: Course may not be repeated.

SOC 385 - Environmental Sociology

Examination of human-environment interactions from a sociological perspective. Focus on culture, patterns of inequalities, consumption, and beliefs about the environment and their impacts on the natural world.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in a Diverse Nation, Approaches and Perspectives/Understanding Human Institutions

and Behaviors
Course Repeatability: Course may not be repeated.

SOC 415 - Globalization and Development

An examination of development and globalization theories and globalization processes in the 21st century through comparative development analysis.

Credit Hours: 3

Prerequisite Courses: SOC 105
Additional Restrictions/Requirements: Prerequisite course and 3 additional hours in sociology at the 300 level.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

TSL 401 - Teaching English as a Foreign Language

Introduces students to the field of Teaching English as a foreign/international language abroad. This course is designed for people who wish to teach English abroad or tutor language learners in the US. Participants build an introductory foundation in EFL methods, cross-

cultural communication and the structure of the English language.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

WLC 205 - Perspectives in World Cinema

Survey of selected international cinemas with emphasis on major narratives, trends, and movements examined in the context of the language, history, politics, and culture of their respective countries. Possible topics to be explored through film include national identity, (post) colonialism, ethnicity, gender, sexuality, class, globalization and transnational exchanges.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

WLC 206 - Perspectives in European Cinema

Survey of selected European cinemas with emphasis on major narrative films and the cultural and historical

context from which they derive. Explores the ways in which cinema constructs concepts of national identity and examines whether the cinema of a nation carries distinguishing traces of the nation's unique history, culture, and ethnic makeup.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

WLC 354 - The Middle East Through Music, Film, and Literature

Explore the cultures of the Middle East through music, cinema, and literature.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

Total Credit Hours: 21

Additional Requirements

A grade of 'C' (2.0) or better is required in all courses counted toward the minor.

Japanese Minor

Admission Requirements

Current UNCW Undergraduate Students

- See University Admission Requirements

Requirements for a Minor in Japanese

Completion of 18 semester hours including 6 hours of core courses and 12 hours of electives, consisting of JPN 294, any JPN course at the 300 level or higher, or other upper level courses approved by the minor advisor whose primary focus is on Japanese language, history, culture, or society.

Core Courses (6 Credit Hours)

The Japanese minor is grounded in a basic command of the Japanese language, and it is encouraged that students complete the core language proficiency courses as early as possible.

JPN 201 - Intermediate Japanese I

Able to sustain short conversations as well as create and understand short written compositions on familiar topics such as personal interests, preferences, future plans, and past experiences with about 140 kanji, while continuing to explore elements of Japanese material and nonmaterial culture.

Credit Hours: 3

Prerequisite Courses: JPN 102 with a C or better or sufficient score on placement exam or approved credit hour equivalents.
Additional Restrictions/Requirements: Sufficient score on placement exam or approved credit hour equivalents.
University Studies: Foundations/Foreign Language
Course Repeatability: Course may not be repeated.

JPN 202 - Intermediate Japanese II

Study of spoken and written Japanese, including expressing abilities and desires, making and responding to requests, offering suggestions, making apologies, conveying second-hand information, and expressing doubt, all the while broadening knowledge

of Japanese culture. Introduces new constructions, including volitional, conditional, and benefactive verbs, as well as about 70 new kanji.

Credit Hours: 3

Prerequisite Courses: JPN 201 with a C or better or sufficient score on placement exam or approved credit hour equivalents.
University Studies: Foundations/Foreign Language
Course Repeatability: Course may not be repeated.

Elective Courses (12 Credit Hours)

Twelve hours of elective courses from the list below, as well as approved study abroad courses. A grade of "C-" or better is required in each course counted toward the minor, and the average of all courses counted toward the minor cannot be below a "C" (2.00) average.

JPN 294 - Japanese Study Abroad I

Please enter a description.

Credit Hours: 1 To 9

University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

JPN 301 - Japanese Grammar and Composition I

Study of Japanese to include grammatically complex sentences, basic honorific and humble forms to respond to requests, to convey and understand emotion and impact, and to narrate hypothetical situations in speech and writing with approximately 300 kanji. Oral and written projects focus on intercultural exchange and Japanese material and non-material culture.

Prerequisite Courses: JPN 202 with a C or better or sufficient score on placement exam or approved credit hour equivalents.
Course Repeatability: Course may not be repeated.

JPN 302 - Japanese Writing and Cultural Studies

Continuing review of the grammatical structure of Japanese at the intermediate high level. Emphasis on development of application in composition, conversation, and readings through an oral and written presentation project and extensive use of authentic materials and translation.

Credit Hours: 3

Prerequisite Courses: JPN 202
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

JPN 307 - Japanese Phonetics, Phonology, & Pronunciation

Introduction to the sound system of Japanese language varieties from the perspective of applied linguists and language learners. Description and comparison of Japanese vowels, consonants, mora timing, pitch-accent, intonation, and other features. Pronunciation training with a focus on intelligibility, and introduction to sociolinguistic factors in speech patterns.

Credit Hours: 3

Prerequisite Courses: JPN 102 with C or higher or equivalent on Japanese placement test
Additional Restrictions/Requirements: Instructor approval for only those students taking the course online through the UNC Exchange, since this requires separate steps to ensure proficiency
University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.

JPN 311 - Perspectives on Contemporary Japanese Culture

Social, economic, and political issues in contemporary Japanese culture explored through a variety of sources with particular emphasis on comparing and contrasting Japanese and international perspectives on trends and issues of global significance including national identity, the family unit, rights and responsibilities of individuals, and sustainability. Course taught in English.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

JPN 394 - Departmental Study Abroad II

Junior-level designation for non-catalogue courses offered by a department abroad. Course may be repeated under different subtitles.

Credit Hours: 1 To 6

Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

JPN 491 - Directed Individual Study

Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.

Credit Hours: 1 To 3

Additional Restrictions/Requirements: Junior or

senior standing, overall GPA of at least 2.00, and consent of instuctor, department chair, and dean.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6

FST 385 - Japanese Cinema

Japanese cinema from the classical period to the present day. Emphasizes critical and historical approaches to Japanese cinema, as well as studies of key filmmakers, including Kurosawa, Mizoguchi, Ozu, Suzuki, and Kitano.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: FST 205, or permission of instructor.
Course Repeatability: Course may not be repeated.

INT 338 - Modern Japan through Film

An exploration of how modern Japan, from the Togugawa period (1600-1867) through the Meiji Restoration (1868), and into the contemporary Showa (1926-1989) and Heisei (1989-) eras, has been constructed and represented in feature films.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

INT 339 - Japan Encounters the World

Focus on the emergence of Japan as a regional economic and political power in Asia, and global actor. Emphasis is given to Japan's historical transformation from isolation in the 17th century to a global power in the 20th and 21st centuries.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

PAR 374 - Japanese Religions

Examination of Japanese religions and their roles in Japanese culture and society. Course will make use of texts, literature, film, anime, manga, and other media.

Credit Hours: 3

University Studies: Building Competencies/Writing

Intensive/Information Literacy
Course Repeatability: Course may not be repeated.

HST 363 - History of Modern East Asia

Survey of East Asian history from the mid-nineteenth century to the present, with emphasis on China and Japan and secondary attention to Korea and Vietnam. Course may be repeated for credit under different subtitles.

Credit Hours: 3

Additional Restrictions/Requirements: Any HST course or consent of instructor.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 9 **Repeat Limit:** 3

Total Credit Hours: 18

Additional Information

A grade of "C-" or better is required in each course counted toward the minor, and the average of all courses counted toward the minor cannot be below a "C" (2.00) average.

Jazz Studies Minor

Admission Requirements

Current UNCW Undergraduate Students

- See University Admission Requirements

Requirements for a Minor in Jazz Studies

Core Courses (17 Credit Hours)

MUS 111 - Theory I

An in-depth study of the basic material of music, including notation of pitch and rhythm, intervals, scales and modes, key signatures, and triads. The lab for this course is MUSL 111.

Credit Hours: 2

Corequisite Courses: ["MUSL 111"]
Additional Restrictions/Requirements: Corerequisite course; Theory Placement test required.
University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary

Perspectives
Course Repeatability: Course may not be repeated.

MUS 112 - Theory II

A study of tonality, triads in inversion, phrase structure and cadences, harmonic progression, the technique of harmonization, and non-harmonic tones. The lab for this course is MUSL 112.

Credit Hours: 2

Corequisite Courses: ["MUSL 112"]
Prerequisite Courses: MUS 111 with a minimum grade of C-
Course Repeatability: Course may not be repeated.

MUSL 111 - Aural Skills and Sight-Singing I

Includes melodic, harmonic and rhythmic dictation and sight-singing using the materials introduced in MUS 111. This course is the lab for MUS 111.

Credit Hours: 1

Corequisite Courses: ["MUS 111"]
Course Repeatability: Course may not be repeated.

MUSL 112 - Aural Skills and Sight-Singing II

Includes melodic, harmonic, and rhythmic dictation, and sight-singing using the materials introduced in MUS 112. This course is the lab for MUS 112.

Credit Hours: 1

Corequisite Courses: ["MUS 112"]
Prerequisite Courses: MUSL 111
Course Repeatability: Course may not be repeated.

MUS 116 - History of Jazz

A survey of the evolution of this American art form from its African roots and European influences to the present. Technical knowledge of music not required.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives, Approaches and Perspectives/Living in

Our Diverse Nation
Course Repeatability: Course may not be repeated.
Students may substitute MUS 116 for MUS 365

MUS 136 - Jazz Theory and Keyboard

Theoretical concepts, aural skill, and basic keyboard skills associated with jazz styles.

Credit Hours: 2

Prerequisite Courses: MUS 111 and MUSL 111
Course Repeatability: Course may not be repeated.

MUS 315 - Jazz Improvisation I

Development of materials and practice for basic improvisational skills in the jazz idiom. Performance-oriented course exploring a variety of methods to gain a better understanding of the art of improvisation.

Credit Hours: 2

Prerequisite Courses: MUS 111 and MUS 112
Course Repeatability: Course may not be repeated.

Major Restriction Music, B.A.**Minor Restriction** Jazz Studies Minor

Ensemble Course (3 Credit Hours)

MUS 184 - Jazz Ensemble

The development of idiomatic performance techniques of jazz music in a variety of styles and mediums through the study of its musicians, as well as performance practices throughout its history. (Intended for students who have had instrumental experience.) May be repeated for credit.

Credit Hours: 1

Additional Restrictions/Requirements: Audition and consent of instructor.
University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives, Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

Students may substitute 1 hour from MUS 189.

Applied Music in the Primary Performance Medium Course (4 Credit Hours)

MUS 195 - Lower Level Applied Music, Private Lessons

Includes one half-hour private lesson per week and a minimum of one MUS LAB/seminar hour each week. Requires a minimum of five practice hours per week. Intended for BA music majors or music minors. May be repeated for credit.

Credit Hours: 1

Corequisite Courses: ["MUS LAB"]
Additional Restrictions/Requirements: Corequisite course, audition, consent of Music Department chair and instructor.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

Electives Courses (4 Credit Hours)

MUS 308 - Jazz Arranging

Arranging and scoring the jazz combo, with emphasis on contemporary styles. Presentation in both lecture and performance format.

Credit Hours: 2

Prerequisite Courses: MUS 300 and MUS 315
Course Repeatability: Course may not be repeated.

MUS 309 - Jazz Arranging II

Arranging and scoring the large jazz ensemble with emphasis on contemporary styles. Lecture and performance format.

Credit Hours: 2

Prerequisite Courses: MUS 308
Course Repeatability: Course may not be repeated.

MUS 316 - Jazz Improvisation II

Development of materials and practice for advanced improvisational skills in the jazz idiom. A performance-oriented course that explores a variety of methods to gain a better understanding of the art of improvisation.

Credit Hours: 2

Prerequisite Courses: MUS 315
Course Repeatability: Course may not be repeated.
Major Restriction Music, B.A.**Minor Restriction** Jazz Studies Minor

MUS 325 - Jazz Ensemble Techniques

Basic rehearsal techniques and methods for developing and directing a high school jazz ensemble. Lecture format and practical conducting experience with one of the university's jazz ensembles.

Credit Hours: 1

Prerequisite Courses: MUS 285
Course Repeatability: Course may not be repeated.

MUS 365 - Advanced Jazz History

Examination of jazz history, from the early twentieth century to today, with emphasis on the music's origins, development, and main contributors. Analysis of harmony, form, and style features while improving

listening skills. By the end, students engage in a more profound intellectual discussion about jazz.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

Total Credit Hours: 24

Additional Information

Courses counted toward a major in music (i.e., MUS 111, MUS 112, MUSL 111, MUSL 112) cannot be counted toward completion of minor requirements. Six additional hours of electives may be chosen to fulfill minor requirements for music majors.

A minimum final grade of "C-" is required in each music course and an overall GPA of "C" (2.00) or better is required in courses counted toward the minor. Admission to the program requires approval by the Department of Music and an audition in the major performance medium.

Journalism Minor

The College of Humanities, Social Sciences, and the Arts offers an interdisciplinary minor in journalism to provide students with a variety of courses that prepare them for careers in print and broadcast journalism. Students acquire a basic knowledge of the journalism industry in courses offered by the Department of Communication Studies and develop writing and editing skills through courses offered by the Department of English.

Admission Requirements

Current UNCW Undergraduate Students

- See University Admission Requirements

Requirements for a Minor in Journalism

To earn a minor in journalism requires completion of 21 hours, including 9 hours of core courses, 6 hours of communication studies electives and 6 hours of English electives.

Core Courses (9 Credit Hours)

ENG 202 - Introduction to Journalism

Introduction to news values, style, and writing. Focus is on writing news leads and news stories under deadline pressure. Also included: note taking, interviewing, and an introduction to feature writing.

Credit Hours: 3

Prerequisite Courses: ENG 103 or ENG 200 or ENG 201
Additional Restrictions/Requirements: Prerequisite courses or consent of instructor.
University Studies: Building Competencies/Writing Intensive, Building Competencies/Information Literacy, Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.

ENG 204 - Introduction to Professional Writing

An introductory survey of concepts in professional writing, including audience analysis, research methods, visual thinking, and composing processes. Includes a service-learning component.

Credit Hours: 3

University Studies: Building Competencies/Writing Intensive, Building Competencies/Information Literacy, Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.

COM 361 - Media Law and Ethics

Survey of laws and ethical principles that inform and regulate mediated communication including: freedom of speech and expression, defamation, invasion of privacy, intellectual property, the rights and responsibilities of journalists/reporters, and the regulation of journalism, advertising, public relations and multimedia industries.

Credit Hours: 3

Prerequisite Courses: COM 265 or COM 268, or permission of instructor.
Additional Restrictions/Requirements: COM Major or consent of instructor.
University Studies: Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

Major Restriction COM Majors**Minor Restriction** Journalism Minors

Communication Studies Elective Courses (6 Credit Hours)

COM 265 - Communication Media

Examination of the development, functions, theoretical foundations, and effects of media on individuals, society, and culture.

Credit Hours: 3

Prerequisite Courses: COM 160 or permission of instructor.
Course Repeatability: Course may not be repeated.

COM 268 - Principles of Multimedia Journalism

Concepts, principles and basic skills in writing and producing news content for multiple media platforms; including radio, television, and internet-based outlets. Emphasis on news gathering, story construction and effective storytelling, proper formatting and scriptwriting techniques, and responding effectively to news

problems and potentials.

Credit Hours: 3

Prerequisite Courses: ENG 103 or ENG 201 or permission of instructor.
Additional Restrictions/Requirements: Restricted to PCOM and COM majors, or journalism minors.
Course Repeatability: Course may not be repeated.

COM 280 - Introduction to Digital Media Production

Introduction to the process, technologies, and aesthetics of digital video and audio production. Topics include field and studio TV production, editing, lighting, sound acquisition, project planning and writing, emerging technologies, and career preparation.

Credit Hours: 3

Prerequisite Courses: Prerequisite or Corequisite: COM 105, or consent of instructor.
Additional Restrictions/Requirements: Sophomore

standing or higher.
Course Repeatability: Course may not be repeated.

COM 283 - Digital Audio I

Audio production experience including project analysis, planning, script writing, recording, and editing. Emphasis on audio acquisition and digital editing. Students complete a variety of short productions working individually and in small teams.

Credit Hours: 3

Additional Restrictions/Requirements: Restricted to PCOM and COM majors.
Course Repeatability: Course may not be repeated.

COM 302 - Applied Qualitative Research

Focus on applying qualitative methods in communication studies to real-life contexts. Student select topics to explore through the various methods and techniques presented in class. Students present findings in a variety of formats that are easily adaptable to inclusion in portfolios or future goals.

Credit Hours: 3

Additional Restrictions/Requirements: COM Majors or permission of instructor.
University Studies: Building Competencies/Writing Intensive, Explorations Beyond the Classroom, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.
Major Restriction COM Majors

COM 351 - Media and Politics

History and theory of the relationships among the mass media, government, and the American public, and their implications for American democracy. Portrayal and effects of various media. Addresses the media's independence from government, the structure of media organizations, media bias, news practices, political campaigns, and effects on public opinion.

Credit Hours: 3

Prerequisite Courses: COM 105 or PLS 205
Additional Restrictions/Requirements: Prerequisite

courses or consent of instructor.
Course Repeatability: Course may not be repeated.

COM 368 - Applications in Multimedia Journalism

Emphasis on long-form/feature reporting. Technical training in the operation of news gathering equipment; refinement of news gathering techniques; presentation and delivery skills; and producing news content for multiple broadcast and digital platforms.

Credit Hours: 3

Prerequisite Courses: COM 268 or COM 280.
Additional Restrictions/Requirements: Or Permission of instructor
Course Repeatability: Course may not be repeated.
Major Restriction COM Studies Majors, or journalism minors.

COM 380 - Field Video Production I

Hands-on field video production including project planning, script writing, filming, recording, and editing. Emphasis on mastery of digital camera operation,

audio acquisition, lighting, and digital editing. Students complete a variety of short productions working individually and in small teams.

Credit Hours: 3

Prerequisite Courses: (COM 280 or FST 201) and COM 105 with a minimum grade of B
Additional Restrictions/Requirements: Prerequisite courses and consent of instructor. Restricted to PCOM and COM majors.
Course Repeatability: Course may not be repeated.
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

COM 382 - Studio Video Production I

Introduction to multi-camera studio video production in a variety of genres. Skills developed include fundamental directing, studio camera operation, audio gathering and mixing, lighting and set design, and producing skills through the completion of group projects.

Credit Hours: 3

Prerequisite Courses: COM 280
Additional Restrictions/Requirements: Or permission of instructor.
Course Repeatability: Course may not be repeated.
Major Restriction PCOM and COM Majors

COM 383 - Audio Storytelling & Podcasting

Creation of audio-based projects in a variety of genres including IMC, news, sports, entertainment, and social media content. Topics include: voice development, project planning, scriptwriting, recording, editing, and promotion. Emphasis on proper audio acquisition, digital editing skills, and quality programming. Students complete a variety of productions working individually and in small groups.

Credit Hours: 3

Prerequisite or Corequisite Courses: COM 200 or permission of instructor.
Additional Restrictions/Requirements: PCOM or COM major or permission of instructor.

Course Repeatability: Course may not be repeated.
Major Restriction PCOM or COM Majors

COM 480 - Field Video Production II

Application of advanced field video and editing techniques in the completion of substantial video projects in two or more of these areas: artistic/experimental, documentary, informational, promotional, news, or sports. Emphasis on development of creativity, and video storytelling, planning and technical skills. All projects are intended for festival submission, regional telecast, or produced for campus and regional clients.

Credit Hours: 3

Prerequisite Courses: COM 380 and permission of instructor.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.
Major Restriction COM

COM 482 - Studio Video Production II

Follow-up course in studio production offering students the opportunity to produce original content for a variety of outlets, including online and digital platforms. Student teams develop, plan, and produce professional quality programming in a variety of genres.

Credit Hours: 3

Prerequisite Courses: COM 382
Additional Restrictions/Requirements: Or permission of instructor.
Course Repeatability: Course may not be repeated.
Major Restriction COM majors

English Elective Courses (6 Credit Hours)

ENG 301 - International Journalism

Study of news practices across borders and within different regional contexts. Themes include foreign correspondence, news flows, and media's relationship to globalization and development.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

ENG 302 - Journalism Workshop

Continuation of ENG 202. Focus is on gathering news from various community and campus sources and writing in news style under deadline pressure. Also included: some attention to feature and editorial writing.

Credit Hours: 3

Prerequisite Courses: ENG 202
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.

ENG 305 - Professional Review Writing

Critical and analytical writing intended for publication in newspapers, magazines, and journals.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives, Building Competencies/Writing Intensive,

Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.

ENG 306 - Essay Writing

Instruction in the genre and craft of the essay, with emphasis on the use of close observation, research, and reflection.

Credit Hours: 3

University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

ENG 310 - Editing for Journalism and Mass Media

Instruction in revising, editing and copy editing. Techniques and strategies for getting prose ready for publication. Extensive practice in editing.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 204, or consent of instructor.

Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
University Studies: Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

ENG 311 - Professional Magazine Writing

Writing of nonfiction prose intended for publication in newspapers, magazines, and journals.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 202, or consent of instructor.
Course Repeatability: Course may not be repeated.

ENG 313 - Writing About Science, Medicine, and the Environment

Exploration of scientific discourse focusing on analyzing scientific texts and rewriting scientific and technical information for a variety of audiences. Includes the development of relevant research skills.

Credit Hours: 3

University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

ENG 314 - Digital Composing

Study of the intersection between writing and technology, including Web page creation, documentation, usability, desktop publishing, and the use of graphics with text.

Credit Hours: 3

Prerequisite Courses: ENG 204 or ENG 205 or permission of instructor.
University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

ENG 315 - Topics in Writing and Rhetoric

A focused study of a theme, issue, or genre in writing or rhetoric.

Credit Hours: 3

University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6 **Repeat Limit:** 1

ENG 319 - Document Design

Study of effective design of print and electronic documents. Emphasis on browsing patterns, usability, the interaction of text and graphics, and visual rhetoric. Includes a service-learning component.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 204, or consent of instructor.
University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

ENG 322 - Language and Meaning

Study of factors that shape meaning in verbal and nonverbal communication. Topics may include the language of persuasion, propaganda, and prejudice;

language and culture; conversation and logic; and vernacular languages.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

ENG 498 - Internship in Writing

Minimum GPA applies. Academic training and practical writing experience through work in a private company or public agency. Faculty supervision and evaluation of all study and on-site activity.

Credit Hours: 3

Additional Restrictions/Requirements: Junior or senior standing and consent of the internship coordinator.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

Total Credit Hours: 21

Additional Information:

A minimum grade of "C" (2.00) is required in all courses counted toward the journalism minor, and the cumulative grade point average in these courses must be at least 2.50.

Some courses listed above have prerequisites or other entry requirements. Other courses may be counted toward the minor if approved by the program coordinator. Courses taken to fulfill the communication studies major cannot be used to fulfill requirements for the journalism minor requirements. Courses taken to fulfill the communication studies major cannot be used to fulfill requirements for the journalism minor requirements.

Latin American Studies Minor

The College of Humanities, Social Sciences, and the Arts offers an interdisciplinary minor in Latin American studies. The minor provides students with a multifaceted understanding of the Latin American society by learning languages, history, anthropology, geography, politics and current events. The minor is

designed for students who are considering careers which involve business relations with Latin America, working in Latin America, working with Latin Americans who are living in the United States, or teaching about Latin America. Students should contact the coordinator in the Department of Anthropology for additional information.

Admission Requirements

Current UNCW Undergraduate Students

- See University Admission Requirements

Requirements for a Minor in Latin American Studies

Core Courses (18 Credit Hours)

Students are required to complete at least one course from five of the six subject areas:

ANT 304 - Domestication: Dogs, Cats, and Barley

Anthropological survey of the origins and relationships between domesticated animals and plants using archaeological, cultural, and biological sources, with a focus on the essential roles domesticates have played

in the formation of societies and cultures.

Course Repeatability: Course may not be repeated.

ANT 307 - Archaeology of the Americas

Exploration of the peopling of the Americas and various New World indigenous groups, with an emphasis on chiefdom and state level societies. Archaeological, ethnohistorical, and epicgraphic evidence is used to study the Aztec and Maya of Mesoamerica, the Mississippians and Puebloan Indians of North America, and Andean civilizations of South America.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

ANT 310 - The Ancient Maya

Explores the achievements of one of the most remarkable civilizations in the Americas. Artistic, architectural, economic and religious components of pre-Columbian Maya Society; the rise and decline of the civilization; Spanish impacts on Maya cultural history.

Credit Hours: 3

University Studies: Building Competencies/Writing Intensive, Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

ANT 315 - Ancient Mesoamerica

Overview if the development, characteristics and decline of the pre-Columbian peoples and cultures of Central America, with particular attention to archaeological and ethnographic research in Mexico, Belize, Guatemala, Honduras and El Salvador.

Credit Hours: 3

University Studies: Building Competencies/Information Literacy, Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

ANT 317 - Social Issues in Latin America

Complex national cultures of Latin America. Contemporary issues such as the rights of native

peoples, peasant land reform, urban slum settlements, development of resources, and political and economic reform movements. Case studies of individual countries.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

GGY 383 - Geography of Islands and Coasts

The study of islands and coasts as unique geographic features. Explores the physical processes of islands and coasts, the environmental history of islands and coasts, and current environmental issues unique to islands and coasts.

Credit Hours: 3

Prerequisite Courses: GGY 101 or consent of instructor.
Course Repeatability: Course may not be repeated.

HST 367 - History of Colonial Latin America

Survey of the conquest and colonization of Latin America from pre-Columbian civilizations through independence in the early nineteenth century, focusing on the creation of new societies shaped by the interaction of Europeans, Indians, and Africans.

Credit Hours: 3

Additional Restrictions/Requirements: Any HST course or consent of instructor.
Course Repeatability: Course may not be repeated.

HST 368 - History of Modern Latin America

The development of South America, Central America, Mexico, and the Caribbean from the time of independence in the early nineteenth century to the present.

Credit Hours: 3

Additional Restrictions/Requirements: Any HST course or consent of instructor.
Course Repeatability: Course may not be repeated.

PLS 331 - Politics in Developing Nations

Political, economic, and social problems confronting developing nations. Attention will be given to such issues as cultural pluralism, one-party states, military dictatorships, and U.S. relations with the developing world.

Credit Hours: 3

Prerequisite Courses: PLS 230
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

PLS 332 - Politics of Central America

Introduction to core political issues facing the Central American, political history as well as contemporary processes. Students will critically evaluate development and the problems associated with moving from underdeveloped to ""developed"" status.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

PLS 333 - Politics of South America

Politics of South America and the impact of socio-economic forces on the region and its political structures.

Credit Hours: 3

Prerequisite Courses: PLS 230
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

SPN 308 - Hispanic Linguistics

Introduction to Hispanic phonology, morphology, syntax, dialectology, bilingualism, and sociolinguistics.

Credit Hours: 3

Prerequisite Courses: SPN 202 or SPN 215 with a minimum grade of C, or by placement
University Studies: Critical Reasoning
Course Repeatability: Course may not be repeated.

SPN 312 - Spanish-American Civilization

Geographical, historical, and cultural aspects of Spanish America.

Credit Hours: 3

Prerequisite Courses: SPN 305 with a minimum grade of C
University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SPN 322 - Introduction to Spanish-American Literature

Selected readings covering the main currents of Spanish-American Literature; emphasis on textual analysis and criticism in classroom discussions; oral and written reports.

Credit Hours: 3

Prerequisite Courses: SPN 305 with a minimum grade of C
University Studies: Approaches and

Perspectives/Aesthetic, Interpretive, and Literary Perspectives
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SPN 412 - Topics in Spanish-American Civilization

Advanced study in geographical, historical, and cultural aspects of Spanish America. Topics focus on specific time periods, geographic areas, or cultural phenomena. May be repeated under a different subtitle.

Credit Hours: 3

Prerequisite Courses: SPN 312 with a grade of C or better
University Studies: Approaches and Perspectives/Living in a Global Society, Building Competencies/Information Literacy, Critical Reasoning
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6 **Repeat Limit:** 1

SPN 422 - Topics in Spanish-American Literature

Study of representative Spanish-American authors, literary movements, and genres.

Credit Hours: 3

Prerequisite Courses: SPN 322 with a grade of 'C' or better.
University Studies: Critical Reasoning, Building Competencies/Writing Intensive, Building Competencies/Information Literacy
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6 **Repeat Limit:** 1

Elective Course (3 Credit Hours)

- a Spanish or Portuguese course at the 300 level or higher.

Total Credit Hours: 21

Additional Information

Substitutions will be approved for topic courses, seminars, field work, and/or study abroad that focus primarily on Latin American issues. Students must have a "C" (2.00) in all courses counted toward the minor in Latin American Studies.

Leadership Studies Minor

The Watson College of Education offers an interdisciplinary minor in leadership studies for students in all majors. This minor provides students with an understanding of leadership theory and practice from multidimensional perspectives. Opportunities to engage in leadership experiences and challenges in a variety of contexts are also provided. Students complement core requirements with courses in a variety of academic disciplines. Students should contact the coordinator in the Watson College of Education for additional information.

Program Objectives

- Understand leadership theory and practice from multidimensional perspectives, content knowledge, ethical and professional standards, & diversity.
- Understand the consequences of leadership decisions, informed decision making and reflective practices.
- Engage in leadership experiences and challenges in a variety of contexts, diversity reflective practice, and technological competence.

- Participate in classroom and out-of-classroom, personal challenge activities that emphasize structured self-growth, reflective practice, technological competence and effective communications.

Requirements for a Minor in Leadership Studies:

Including 9 hours in core courses:

LED 211 - Principles of Leadership

Introduction to leadership. Study of leadership theories, styles, and strategies. Emphasis on developing leadership skills in a variety of settings.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.

LED 311 - Communication and Leadership

Theory and practice of leadership. Focuses on issues of cohesiveness, trust, motivation, vision, and goals.

Development of conflict management and decision-making goals.

Credit Hours: 3

Prerequisite Courses: LED 211
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

LED 411 - Contemporary Leadership Applications

Concepts related to leadership. Ability to envision and implement change for the common good using diverse perspectives and contexts. Applies leadership and organizational theories through real world experience and contemporary issues.

Credit Hours: 3

Prerequisite Courses: LED 311
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

Elective Courses:

Students select an additional 9 hours of elective courses in three academic areas from an approved list. For a list of approved elective courses, students should contact the coordinator of the leadership studies minor.

Total: 18 hours

Additional Information:

Students must have a "C" average (2.00) in courses counted for the minor.

Linguistics Minor

The College of Humanities, Social Sciences, and the Arts (CHSSA) offers a minor in linguistics to provide students with a variety of courses related to the scientific study of human languages. Students acquire a basic knowledge of linguistics, sociolinguistics, and applied language studies in courses offered by several departments. For more information, contact the minor coordinator, Dr. Addie Sayers, at chinaa@uncw.edu.

Admission Requirements

Current UNCW Undergraduate Students

- See University Admission Requirements

Requirements for a Minor in Linguistics

Core Course (3 Credit Hours)

Students will choose one of the following required courses:

ENG 320 - Introduction to Linguistics

An introduction to the study of human language, including such topics as the sounds, structure, and meaning of language; language and social interaction; the ways languages change; and the ways children learn language.

Credit Hours: 3

University Studies: Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

SPN 308 - Hispanic Linguistics

Introduction to Hispanic phonology, morphology, syntax, dialectology, bilingualism, and sociolinguistics.

Credit Hours: 3

Prerequisite Courses: SPN 202 or SPN 215 with a minimum grade of C, or by placement
University Studies: Critical Reasoning
Course Repeatability: Course may not be repeated.

Electives Courses (15 Credit Hours)

Students will choose 15 additional credit hours from the following classes below. Students may take ENG 324 more than once under a different topic.

ANT 208 - Language & Culture

Human language, its characteristics and its relationship to other communication systems will be examined. The use of language to illuminate historical relationships and current sociocultural processes will be discussed, as well as ways in which one can investigate culture through cognitive structures elicited from speech.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in a Diverse Nation
Course Repeatability: Course may not be repeated.

ENG 320 - Introduction to Linguistics

An introduction to the study of human language, including such topics as the sounds, structure, and meaning of language; language and social interaction; the ways languages change; and the ways children learn language.

Credit Hours: 3

University Studies: Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

ENG 321 - Structure of the English Language

Study of the grammatical structure of the English language and the process by which we create and comprehend English sentences. Emphasis on recent syntactic models.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

ENG 322 - Language and Meaning

Study of factors that shape meaning in verbal and nonverbal communication. Topics may include the language of persuasion, propaganda, and prejudice; language and culture; conversation and logic; and vernacular languages.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

ENG 323 - History of the English Language

The development of the English language from Old English to the present; changes in sounds, vocabulary, syntax, meaning, and spelling; formation of American dialects.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

ENG 324 - Topics in Linguistics

The study of a selected topic in human language. Content varies from semester to semester. May be repeated under a different subtitle.

Credit Hours: 3

Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6

ENG 325 - Studies in Sociolinguistics

ENG 204 or ENG 205 recommended but not required. An examination of the way language varies according to social characteristics such as age, gender, ethnicity, class, individual style, social networks, and language attitudes.

Credit Hours: 3

Prerequisite Courses: ENG 103 or ENG 200 or ENG 201
Course Repeatability: Course may not be repeated.

ENG 412 - Writing in Intercultural and Global Contexts

Develops competency in writing within intercultural and global contexts. Focuses on developing critical perspective about cultural concepts and theories in the

context of globalization through broader frameworks of discourse, commodities, space, and labor in everyday life.

Credit Hours: 3

University Studies: Building Competencies/Writing Intensive, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

FRH 308 - French Linguistics

Introduction to the phonetics, phonology, morphology, and syntax of French; emphasis on the French sound system, pronunciation, and intonation.

Credit Hours: 3

Prerequisite Courses: FRH 202 or placement by exam.
Additional Restrictions/Requirements: Permission of instructor.
Course Repeatability: Course may not be repeated.

GER 322 - History of the German Language

Introduction to the history of the German language, from its Indo-European roots through the present. Study of the historical, social, and cultural context that shaped the German language and its dialects, major linguistic changes that separate German from other Germanic and Indo-European languages and that characterize Modern Standard German as opposed to various German dialects. Taught in German.

Credit Hours: 3

Prerequisite Courses: GER 307
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

JPN 307 - Japanese Phonetics, Phonology, & Pronunciation

Introduction to the sound system of Japanese language varieties from the perspective of applied linguists and language learners. Description and comparison of Japanese vowels, consonants, mora timing, pitch-accent, intonation, and other features. Pronunciation training with a focus on intelligibility, and introduction to

sociolinguistic factors in speech patterns.

Credit Hours: 3

Prerequisite Courses: JPN 102 with C or higher or equivalent on Japanese placement test
Additional Restrictions/Requirements: Instructor approval for only those students taking the course online through the UNC Exchange, since this requires separate steps to ensure proficiency
University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.

PAR 335 - Philosophy of Language

Fundamental Issues in the nature and meaning of language: concepts of truth, meaning, reference, metaphor, interpretation, and speech acts.

Credit Hours: 3

Prerequisite Courses: PAR 101
Additional Restrictions/Requirements: Prerequisite

course or consent of instructor.
Course Repeatability: Course may not be repeated.

SPN 307 - Spanish Phonetics

Introduction to the sound system of Spanish through theoretical and practical analysis. Students explore the articulation and structure of Spanish sounds, comparing them to English sounds and differences across dialects of Spanish. Students also review accent rules and the correspondence between sounds and letters in Spanish.

Credit Hours: 3

Prerequisite Courses: SPN 202 with a 'C' or better or SPN 215 with a 'C' or better or appropriate placement test score.
Course Repeatability: Course may not be repeated.

SPN 308 - Hispanic Linguistics

Introduction to Hispanic phonology, morphology, syntax, dialectology, bilingualism, and sociolinguistics.

Credit Hours: 3

Prerequisite Courses: SPN 202 or SPN 215 with a minimum grade of C, or by placement
University Studies: Critical Reasoning
Course Repeatability: Course may not be repeated.

SPN 496 - Seminar in Hispanic Linguistics

Advanced study of Hispanic Linguistics.

Credit Hours: 3

Prerequisite Courses: SPN 305, SPN 306, and SPN 307, each with a grade of 'C' or better.
University Studies: Critical Reasoning, Building Competencies/Writing Intensive, Building Competencies/Information Literacy
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6 **Repeat Limit:** 1

TSL 326 - Applied Linguistics for ESL

Students will analyze all aspects of the English language with emphasis on understanding the nature and structure of the language that English language learners bring into the classroom.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

TSL 423 - Second Language Acquisition

Students will be introduced to the field of Second Language Acquisition. Topics include basic concepts in first and second language acquisition and relationships between the two, key research, theories and principles in the field of English as a second language and how they relate to the academic achievement of English language learners.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

Total Credit Hours: 21

Additional Information

Students must earn at least a "C" (2.00) average in courses counted for a linguistics minor.

Marine Biology Minor

The College of Science and Engineering offers a minor in Marine Biology that provides students with a broad foundation for understanding the ecology and adaptations of organisms to life in the sea. The minor is targeted to students interested in courses that highlight environments and issues that are unique to a coastal university. Students complement core requirements with studies that focus on groups of organisms (e.g., marine mammals), ecosystems (e.g., coral reef environments), or relevant topics (e.g., climate change, ocean acidification). Students should contact the undergraduate coordinator in the Department of Biology and Marine Biology for additional information.

Requirements for a Minor in Marine Biology

All students must complete three required core courses (11 hours). An additional 9 credit hours of electives selected from the list below are required to complete the minor.

Required Core Courses:

BIO 201 - Principles of Biology: Cells

Introduction to principles governing living systems, especially the cellular and molecular basis of life and the transmission and utilization of genetic information. The lab for this course is BIOL 201.

Credit Hours: 3

Prerequisite or Corequisite Courses: BIOL 201
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

and

BIOL 201 - Principles of Biology: Cells Laboratory

Introduction to basic cell biology sampling techniques and data analysis. Experience in laboratory approaches to introduce basic investigative skills and methods of biological inquiry. This course is the lab for BIO 201.

Credit Hours: 1

Prerequisite or Corequisite Courses: BIO 201

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

BIO 202 - Principles of Biology: Biodiversity

Evolution, classification, and diversity of life, stressing morphology, physiology, principles of adaptation, and relationships between biotic and abiotic components of ecosystems. The lab for this course is BIOL 202.

Credit Hours: 3

Prerequisite or Corequisite Courses: BIOL 202
University Studies: Building Competencies/Information Literacy, Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

and

BIOL 202 - Principles of Biology: Biodiversity Laboratory

Introduction to basic biodiversity sampling techniques and data analysis. Experience in laboratory approaches to introduce major taxonomic groups and biotic principles. This course is the lab for BIO 202.

Credit Hours: 1

Prerequisite or Corequisite Courses: BIO 202
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

BIO 362 - Marine Ecology

Introduction to basic ecological principles in the marine environment as they pertain to individual organisms, populations, communities, and ecosystems. The lab for this course is BIOL 362.

Credit Hours: 3

Prerequisite Courses: BIO 201 and BIO 202.
University Studies: Building Competencies/Writing

Intensive
Course Repeatability: Course may not be repeated.

Electives:

BIO 313 - Marine Phycology

Introduction to the morphology, life histories, and ecology of benthic marine algae with emphasis on special topics such as morphogenesis, ecotypic variation and speciation, phytogeography, or seasonal periodicity of growth and reproduction. The lab for this course is BIOL 313.

Credit Hours: 3

Corequisite Courses: BIOL 313
Prerequisite Courses: BIO 362 or BIO 366
Course Repeatability: Course may not be repeated.

and

BIOL 313 - Marine Phycology Laboratory

Introduction to phycological sampling techniques and data analysis. Experience in field sampling and laboratory approaches to illustrate morphology, life histories, and ecology of benthic marine algae with

emphasis on special topics such as morphogenesis, ecotypic variation and speciation, phytogeography, or seasonal periodicity of growth and reproduction. This course is the lab for BIO 313.

Corequisite Courses: BIO 313
Prerequisite Courses: BIO 362 or BIO 366
Course Repeatability: Course may not be repeated.

BIO 318 - Invertebrate Zoology

Survey of invertebrate animals with emphasis on the structure, function, phylogeny, ecology, and life histories of marine taxa. The lab for this course is BIOL 318.

Credit Hours: 3

Corequisite Courses: BIOL 318
Prerequisite Courses: BIO 201 and BIO 202.
Course Repeatability: Course may not be repeated.

and

BIOL 318 - Invertebrate Zoology Laboratory

Introduction to invertebrate sampling techniques and data analysis. Experience in species identification with emphasis on the structure, function, phylogeny, ecology, and life histories of marine taxa. This course is the lab for BIO 318.

Corequisite Courses: BIO 318
Prerequisite Courses: BIO 201 and BIO 202.
Course Repeatability: Course may not be repeated.

BIO 322 - Biological Invasions

The scientific study of the invasion process, persistence, and spread of introduced species; ecological and economic impacts and management of introduced species; and how global change influences the impact of introduced species on human resources.

Credit Hours: 3

Prerequisite Courses: BIO 201 and BIO 202.
Course Repeatability: Course may not be repeated.

BIO 358 - Marine Mammals

Study of pinnipeds, cetaceans, and sirenians, emphasizing their evolution and taxonomic relationships, anatomical and physiological adaptations, ecologic and economic importance, and natural history.

Credit Hours: 3

Prerequisite Courses: BIO 201 and BIO 202
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

BIO 363 - Coral Reef Ecology

Ecology and physiology of coral reef organisms, emphasizing processes that contribute to the function and complexity of coral reef ecosystems. Reef information and geology, coral biology and physiology, ecological interactions, human effects, global effects, and conversation will be considered. The lab for this course is BIOL 363.

Credit Hours: 3

Prerequisite Courses: BIO 201 and BIO 202.
Course Repeatability: Course may not be repeated.

BIO 366 - Ecology

An introduction to basic ecological principles as they pertain to individual organisms, populations, communities and systems. The lab for this course is BIOL 366.

Credit Hours: 3

Prerequisite Courses: BIO 201 and BIO 202
Course Repeatability: Course may not be repeated.

BIO 367 - Antarctic Ecology, Geology, History, and Policy

An in-depth examination of the frozen continent including its geologic origins, ice sheet formation, and fossil record. Its unique ecology, endemic wildlife, discovery and human history, anthropogenic impacts, and current international agreements to protect resources will also be examined. Open to juniors and seniors from all major departments. Also offered as BIO 585 with additional requirements.

Credit Hours: 3

Prerequisite Courses: BIO 201 and BIO 202
Course Repeatability: Course may not be repeated.

BIO 371 - Phytoplankton

Introduction to the physiology and ecology of phytoplankton. Exploration of the diversity and function of microalgae, their role in aquatic ecosystems, and their potential application in biotechnology solutions.

Credit Hours: 3

Prerequisite Courses: BIO 201 and BIO 202.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 4

BIO 378 - Global Environmental Problems

Review and discussion of causes and effects of major environmental problems, with emphasis on ecosystem-level effects and interactions. Topics include extinction, deforestation, climate change, and pollution impacts.

Credit Hours: 3

Prerequisite Courses: BIO 201 and BIO 202 and CHM 101 and CHML 101.
Course Repeatability: Course may not be repeated.

BIO 412 - Marine Botany

Introduction to coastal marine plant communities, including how the marine environment affects plant community dynamics. Topic areas include: classification and identification, morphology, physiological ecology, importance to humans, and current hot topics. The lab for this course is BIOL 412.

Credit Hours: 3

Corequisite Courses: BIOL 412
Prerequisite Courses: BIO 362.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3
Credits / Units: and

BIOL 412 - Marine Botany Laboratory

Introduction to marine botany sampling techniques and data analysis. Experience in field sampling and laboratory approaches to illustrate how to identify marine plant communities and quantify their responses to environmental factors. This course is the lab for BIO 412.

Credit Hours: 1

Corequisite Courses: BIO 412
Course Repeatability: Course may not be repeated.

BIO 434 - Coastal Marine Ecology

An in-depth study of the major processes controlling populations and structuring coastal marine communities. Emphasis is on the review and discussion of important historical and recent scientific papers.

Credit Hours: 3

Prerequisite Courses: BIO 366 or BIO 362
Course Repeatability: Course may not be repeated.

BIO 457 - Ichthyology

Survey of systematics, evolution, ecology, and natural history of living fishes, with emphasis on southeastern United States. The lab for this course is BIOL 457.

Credit Hours: 3

Prerequisite Courses: BIO 362.
Course Repeatability: Course may not be repeated.

BIO 458 - Fisheries Biology

An examination of the factors that control the population dynamics of fishes. Introduction to the principles of fisheries science including estimation of population metrics such as age, growth, mortality, and abundance, fish stock assessment, and fishery management strategies. The lab for this course is BIOL 458.

Credit Hours: 3

Prerequisite Courses: BIO 366 or BIO 362
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

BIO 470 - Mariculture

Overview of basic principles of fish and shellfish production. Focus on the basic features of culture systems, biology of major culture species and legal and economic aspects of mariculture. Specific culture techniques for a variety of marine species, with special emphasis on the southeast US coast.

Credit Hours: 3

Prerequisite Courses: BIO 362.
Course Repeatability: Course may not be repeated.

BIO 486 - Advanced Topics in Mariculture

Advanced mariculture topics not considered in detail in other courses. More than one topic may be taken for credit.

Credit Hours: 3

Prerequisite Courses: BIO 201 and BIO 202
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 3

BIO 487 - Introduction to Coastal Management

Interdisciplinary study of human impact on coastal environments and organisms. Physical and biotic settings of worldwide coastal regions, principles of coastal management, current topics in coastal management, and analysis of potential solutions to coastal problems.

Credit Hours: 0 Or 4

Additional Restrictions/Requirements: Junior or senior standing or consent of instructors.
Crosslisting: OCN 458, GLY 558
Course Repeatability: Course may not be repeated.

BIO 489 - Benthic Ecology

The scientific study of the organisms and processes that structure coastal benthic communities. Benthic communities encompass the vast seafloor areas of estuaries and oceans and support aquatic communities, fisheries, larger species of interest, and critical ecosystem processes.

Credit Hours: 3

Prerequisite Courses: BIO 201, BIO 202, BIO 366.
Course Repeatability: Course may not be repeated.

Total: 20 hours

Additional Information:

A "C" or better average is required for all courses counted toward the minor in Marine Biology.

Mathematics Minor

Requirements for a Minor in Mathematics:

MAT 161 - Calculus with Analytical Geometry I

Calculus of a single variable intended for students in the mathematical and natural sciences. Functions and limits; differentiation with applications including maxima and minima, related rates, and approximations; theory of integration with applications; and transcendental functions.

Credit Hours: 4

Prerequisite Courses: MAT 112 or MAT 160, or

satisfactory performance on the UNCW mathematics placement test.
University Studies: Foundations/Mathematics and Statistics, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

MAT 162 - Calculus with Analytical Geometry II

The second course in a three-course sequence. Further techniques and applications of integration; infinite sequences and series; conic sections, parametrized curves and polar coordinates; and, elementary differential equations.

Credit Hours: 4

Prerequisite Courses: MAT 161.
University Studies: Foundations/Mathematics and Statistics, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

and

- at least 12 hours selected from mathematics courses numbered 261 or higher, or STT 315.

These hours must include one of the following:

MAT 261 - Multivariate Calculus

Calculus of functions of several variables. Vectors and analytic geometry of three dimensional space; partial derivatives, gradients, directional derivatives, maxima and minima; multiple integrals; line and surface integrals, Green's Theorem, Divergence Theorem, and Stokes' Theorem.

Credit Hours: 4

Prerequisite Courses: MAT 162
Course Repeatability: Course may not be repeated.

MAT 275 - Axiomatic Systems

Introduction to logic and mathematical proof with a focus on properties of the real number system. Elementary set theory, relations, functions, cardinality, algebraic and completeness properties of the reals and topics from axiomatic systems. Precision in the language of mathematics and rigor in proofs. Student presentations.

Credit Hours: 3

Prerequisite Courses: MAT 152 or MAT 161
Course Repeatability: Course may not be repeated.

MAT 335 - Linear Algebra and Matrices

Systems of linear equations, vector spaces, algebra of matrices and linear transformations, determinants, eigenvalues and eigenvectors, applications.

Credit Hours: 3

Prerequisite Courses: MAT 161
Course Repeatability: Course may not be repeated.

At least 6 hours must be from coursework at the 300 or 400 level.

Total: 20 hours in mathematics and statistics

Additional Information:

An overall quality point average of "C" (2.00) or better is required for all courses counted toward the minor, and a grade of "C-" or better is required for each mathematics or statistics course used to fulfill the requirements of the minor.

Medical Humanities Minor

Admission Requirements

Current UNCW Undergraduate Students

- SeeUniversity Admission Requirements

Requirements for the Minor in Medical Humanities

Core Courses (7 Credit Hours)

HST 120 - Medical Humanities

Introduction to the various disciplines, methods, and perspectives of medical and health humanities.

Credit Hours: 1

Course Repeatability: Course may not be repeated.

ANT 346 - Medical Anthropology

Investigation of systems of medical knowledge and healthcare; representations of health and illness; interactions between environmental, biological, and social factors that shape risk in vulnerable communities; and encounters between Western biomedicine and non-Western healing traditions. Emphasis on applied anthropology in global health

settings.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

PAR 215 - Medical Ethics: Life and Death Decisions in Health Care

Examination of the principles and problems in the application of ethical theory to medical research and practice.

Credit Hours: 3

University Studies: Approaches and Perspectives/Historical and Philosophical Approaches
Course Repeatability: Course may not be repeated.

Elective Courses (12 Credit Hours)

Students are required to take at least 3 credits from each of the following three designations: 1) Historical and Literary Perspectives 2) Diversity and Bio-cultural Perspectives, and 3) Psychosocial Dimensions of Health and Caregiving. An additional 3 credits must be

chosen from any of the categories. Other courses that have relevant themes, particularly rotating or special topics courses such as HON 210 and department seminars, can be counted with approval from the director of the minor. At least 6 hours need to come from 300/400 level classes.

Historical and Literary Perspectives

Choose at least one course from the following:

ENG 234 - Literature and Medicine

Study of a broad range of literature from multiple periods, genres, and traditions, examining the representation of illness, health, disability, patients, trauma, and healing, among other topics related to the medical humanities.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor.
University Studies: Approaches and Perspectives: Aesthetic, Interpretive, and Literacy Perspectives, Building Competencies/Writing Intensive

Course Repeatability: Course may not be repeated.
Additional Course Fees: None

ENG 313 - Writing About Science, Medicine, and the Environment

Exploration of scientific discourse focusing on analyzing scientific texts and rewriting scientific and technical information for a variety of audiences. Includes the development of relevant research skills.

Credit Hours: 3

University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

HST 111 - History of Science I: Antiquity to the Scientific Revolution

History of science from antiquity (ancient Babylon and Greece) to the 17th century. Topics include the rise of natural philosophy in Greece, medieval universities, Copernicus and the 16th century revolution in astronomy, Renaissance medicine and anatomy, and Isaac Newton's mathematical study of gravitation.

Credit Hours: 3

University Studies: Approaches and Perspectives/Historical and Philosophical Approaches
Course Repeatability: Course may not be repeated.

HST 112 - History of Science II: Modern Science

Growth and development of modern science. Topics include Darwin's theory of evolution, Einstein's special and general relativity, quantum mechanics, wartime science, the discovery of DNA, and the impact of science and technology on modern society.

Credit Hours: 3

University Studies: Approaches and Perspectives/Historical and Philosophical Approaches
Course Repeatability: Course may not be repeated.

HST 119 - History of Medicine

Survey of the history of medicine that covers the major intellectual, social, and cultural contexts foundational for our modern understanding of health and health

care.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

Diversity and Bio-cultural Perspectives

Choose at least one course from the following:

ANT 303 - Culture and Gender

A cross-cultural study of gender in a selection of societies from African, American Indian, Asian, and Central and South American cultures.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in Our Diverse Nation, Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

ANT 324 - Human Biological Variation

Nature and extent of heritable differences among human populations in evolutionary perspective.

Consideration of effects of environmental factors on genic expression.

Credit Hours: 3

Prerequisite Courses: ANT 210
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
University Studies: Building Competencies/Information Literacy, Building Competencies/Information Literacy, Building Competencies/Writing Intensive, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

ANT 325 - Human Growth and Development

Human growth and development from an evolutionary perspective. Topics to be addressed include differences and similarities in primate life histories, uniqueness of particular human life history traits, and the evolution of human development as traced through the fossil record. Relationships among growth, development, and health will be explored.

Credit Hours: 3

Prerequisite Courses: ANT 210
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

ANT 329 - Environmental Justice Ethnography

Ethnographic survey of the emergence of social movements organized around environmental issues. Through the writings of cultural anthropologists, students learn how communities around the world threatened by environmental destruction seek justice, accountability, and sustainability. Environmental crises are analyzed in terms of globalization, structures of poverty, and human rights.

Credit Hours: 3

University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

ANT 460 - Poverty and Health: Critical Medical Anthropology Perspectives

Seminar survey of applied medical anthropology research on the health effects of extreme poverty. Through in-depth explorations of anthropologists working in public health settings around the world, students learn methods, theory, and critical issues of this subfield. Example target populations include farmworkers, immigrants, the homeless, refugees, and the working poor.

Credit Hours: 3

University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

PAR 364 - Religious Views of Death and Dying

Views of death and dying from a variety of religious traditions including Hinduism, Buddhism, Judaism, Christianity, Islam, and Sikhism. For each tradition, we will consider the following questions: How do they understand the nature of death? do they ascribe meaning and value to death? Do they ascribe meaning and value to the death? Do they recommend a particular religious practice at the moment of death?

What funeral rituals are advocated within their tradition?

Credit Hours: 3

Course Repeatability: Course may not be repeated.

PBH 105 - Explorations in Public Health

Please enter a description. General introduction to public health and how it interfaces with science and politics. Addresses the connectivity of public health and healthcare. The 3 P's of public health: prevent, protect and promote, and the roles of personal and social determinants of health are covered utilizing current public health events and initiatives. Partially satisfies University Studies II: Approaches and Perspectives/Understanding Human Institutions and Behaviors.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

PBH 290 - Foundations of Public Health

An overview of the public health profession with emphasis on the foundations of public health such as definitions, history, philosophy, ethics, evidence-based principles, and determinants of health.

Credit Hours: 3

Additional Restrictions/Requirements: Minimum passing grade of "C-" or above required in each PBH course to progress in the program. Open to PBH majors only.
Course Repeatability: Course may not be repeated.

WGS 212 - Sexuality and Gender

Theoretical and cultural contexts and complexities of sexuality as they relate to the dominant culture. Intersections of race, class, gender and sexual orientation will be examined in relation to the formation of sexual identity and the contradictions of institutionalized norms and standards.

Credit Hours: 3

University Studies: Approaches and

Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

Psychosocial Dimensions of Health and Caregiving

Choose at least one course from the following:

ECN 327 - Health Economics

Analysis of health-care delivery using economic reasoning. Specific topics include the demand for health, medical care, and insurance; socio-economic patterns in health-related behaviors and outcomes; physician and hospital services; private and public financing of care; regulation of the health-care marketplace; and medical innovation.

Credit Hours: 3

Prerequisite Courses: ECN 125 or ECN 221
Course Repeatability: Course may not be repeated.

PSY 257 - Evolutionary Psychology

Consideration of the evolution and adaptive significance of behavior in humans, including such

topics as mate selection, parental care, cognition, language, altruism, aggression, warfare, and creativity.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

PSY 271 - Psychology of Human Diversity

The contribution of psychology to the understanding of diversity in our society. Biopsychosocial aspects of diversity and methods of increasing understanding and inclusiveness will be emphasized. The psychological nature of stereotyping, discrimination, and prejudice will be examined.

Credit Hours: 3

Prerequisite Courses: PSY 105
University Studies: Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

PSY 352 - Health Psychology

Integrates psychological and biomedical knowledge relevant to physical health and illness. The interaction of psychological phenomena with the epidemiology, etiology, pathogenesis, treatment, and rehabilitation of physical disorders.

Credit Hours: 3

Prerequisite Courses: PSY 246 or PSY 264
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 220 - Sociology of Death and Dying

Examination of the sociological dimensions of death in modern society. The social organizational and cultural dimensions of death will be considered in terms of rites of passage, bureaucratization, social movements, cultural differences, and historical and contemporary contexts.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and

Behaviors
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 337 - Medical Sociology

A sociocultural analysis of the general area of health and illness. Emphasis is given to understanding the distribution of health and illness in the United States and its impact on the patient status. The course includes a discussion of the organization and use of health care services from a sociological perspective.

Credit Hours: 3

Prerequisite Courses: SOC 105
University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

COM 226 - Health Communication

Application of communication theory and principles to context of health communication, including

intrapersonal and interpersonal health across the lifespan, and how politics, institutions, and culture inform and constrain health communication choices.

Credit Hours: 3

Prerequisite Courses: COM 105 with a minimum grade of B
Additional Restrictions/Requirements: Restricted to PCOM and COM majors.
Course Repeatability: Course may not be repeated.

Total Credit Hours: 19

Additional Information:

A "C" (2.00) average is required of all courses counted toward the minor. Students should contact the coordinator for a list of current designated courses.

Middle East and Islamic Studies Minor

The Middle East and Islamic Studies Minor offers courses in the civilizations, histories, languages, religions, geographies, politics, and literatures of the Middle East. Students take an interdisciplinary approach to the cultures of this region, which has had

an important impact on the development of our civilization and plays a vital role in today's world community. The minor's course offerings treat the Middle East from ancient times to the modern period and emphasize methods of historical and interdisciplinary analysis. MEIS minors are expected to reach an intermediate level of proficiency in Arabic, which is the most widely spoken language in the region and the liturgical language of Islam. The minor requires a total of 21 credit hours. All students must complete six credit hours consisting of ARB 101 and ARB 102, then select six additional credit hours from the list of additional core courses, with each course in a different discipline. The remainder of the credit hours should be selected from the designated electives. Students must have a least a "C+" (2.33) average in courses counted toward the minor, and at least two courses counted toward the minor must be at or above the 300-level.

Admission Requirements

Current UNCW Undergraduate Students

- See University Admission Requirements

Requirements for a Minor in Middle East and Islamic Studies

Core Courses (6 Credit Hours)

All core courses in the below list must be completed for the minor (6 credit hours).

ARB 101 - Introductory Arabic I

Emphasis on achievement of an active command of the language. Aural-oral practice; intensive study of the basic patterns of spoken Arabic; reading, writing, and basic conversation. For students with one unit or less of high school Arabic.

Credit Hours: 3

University Studies: Foundations/Foreign Language
Course Repeatability: Course may not be repeated.

ARB 102 - Introductory Arabic II

Emphasis on achievement of an active command of the language. Aural-oral practice; intensive study of the basic patterns of spoken Arabic; reading, writing, and basic conversation. Only for students who have

successfully completed ARB 101or the equivalent.

Credit Hours: 3

Prerequisite Courses: ARB 101
University Studies: Foundations/Foreign Language
Course Repeatability: Course may not be repeated.

Second Core Courses (6 Credit Hours)

At least two additional core courses from the below list, each from a different discipline, must be completed for the minor (6 credit hours).

INT 352 - The Contemporary Middle East

Examination of the political, social, and economic history and issues of the modern Middle East.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

PAR 230 - Judaism, Christianity, and Islam

Survey of the history of Judaism, Christianity, and Islam from their origins in the Middle East over 3,500 years

ago to their diverse practices, scriptures, art, and communities around the world today.

Credit Hours: 3

University Studies: Approaches and Perspectives/Historical and Philosophical Approaches, Approaches and Perspectives/Living in a Global Society, Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

PLS 338 - Political Systems of the Middle East

Governments and politics of the Middle East with emphasis on the changes that have occurred since 1945. A detailed examination of the forces that have shaped contemporary Middle Eastern politics: Islam, nationalism, modernization, and current political trends. The political institutions and processes and the domestic and foreign policies of selected countries will be studied.

Credit Hours: 3

Prerequisite Courses: PLS 230

Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

HST 382 - History of Modern Middle East

An examination of the major developments in the history of the Modern Middle East. The course may be repeated for credit under different subtitles including Women and Gender in the Middle East, the Middle East since 1914, and Palestine and Israel.

Prerequisite Courses: Any history class.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 9 **Repeat Limit:** 3

PAR 375 - Islam

Introduction to religious beliefs, rituals and traditions of Islam. Examination of its historical background and contemporary significance.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

Elective Courses (9 Credit Hours)

Elective credits from the list below count toward the remainder of the required 21 credit hours for the minor. Students may petition to include courses not on this list -- including Directed Independent Study and special topics courses -- as long as they incorporate significant Middle East-related content.

ARB 201 - Intermediate Arabic I

A review of the grammatical structure of the language. Application of the language in composition, conversation, and readings.

Credit Hours: 3

Prerequisite Courses: ARB 102
University Studies: Foundations/Foreign Language
Course Repeatability: Course may not be repeated.

ARB 202 - Intermediate Arabic II

A continuing review of the grammatical structure of Arabic at the intermediate level. Application of the language in composition, conversation and readings.

Credit Hours: 3

Prerequisite Courses: ARB 201
University Studies: Foundations/Foreign Language
Course Repeatability: Course may not be repeated.

ARB 294 - Arabic Study Abroad I

Lower-division level of special topics relating to the Arabic-speaking world taken abroad from UNCW faculty or as a transfer credit.

Credit Hours: 1 To 3

University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6

ARH 300 - Egyptian Art

A study of the art and culture of ancient Egypt, from 3000 BC to the third century BC. Emphasis on architecture, sculpture, and painting as related to Egyptian history, culture, and religion.

Credit Hours: 3

Prerequisite Courses: ARH 201 or ARH 202 or ARH 204 or consent of instructor.
Course Repeatability: Course may not be repeated.

ARH 321 - Art and Archaeology of the Ancient Near East

Study of art and archaeology as well as the history of Ancient Near East (Mesopotamia, Syria, Turkey, Iran) beginning with state formation in the 4th millennium BCE and ending with the Persian Empire in the 4th century BCE.

Credit Hours: 3

Prerequisite Courses: ARH 201 or ARH 202 or ARH 204
Additional Restrictions/Requirements: Consent of Instructor can be given in place of prerequisites.
Course Repeatability: Course may not be repeated.

ARH 325 - Islamic Art

Study of the art and architecture of the Islamic world from the 7th century to the 17th century. Emphasis on

architecture, painting, and metal arts as related to the history and culture of Muslim peoples. Special attention is focused on intersection and exchange between Islam and the west.

Credit Hours: 3

Prerequisite Courses: ARH 201 or ARH 202 or ARH 204
Additional Restrictions/Requirements: Consent of Instructor can be given in place of prerequisites.
Course Repeatability: Course may not be repeated.

HST 113 - The Jews: From the Bible to the Inquisition

Survey of Jewish history from antiquity to 1492, with particular attention to the Jewish encounter with the Roman, Islamic, and European civilizations.

Credit Hours: 3

University Studies: Approaches and Perspectives/Historical and Philosophical Approaches
Course Repeatability: Course may not be repeated.

HST 114 - The Jews: From the Inquisition to Israel

Survey of Jewish history from the expulsion of the Jews from Spain to the modern era. Examination of how the different Jewish communities worldwide have met the challenges of a modernizing world. Topics include emancipation, religious reform and secularization, mass migrations, anti-Semitism, the Holocaust, and the founding of modern Israel. 3

Credit Hours: 3

University Studies: Approaches and Perspectives/Historical and Philosophical Approaches
Course Repeatability: Course may not be repeated.

HST 305 - The Ancient Near East

An intensive political and cultural study of ancient Babylonian, Egyptian, and other Near Eastern civilizations.

Credit Hours: 3

Additional Restrictions/Requirements: Any HST

course or consent of instructor.
Course Repeatability: Course may not be repeated.

HST 381 - History of Premodern Middle East

Exploration of themes in the political, social, economic, military, diplomatic, and cultural history of the Middle East and the impact of the West from 1700 to World War I. Course may be repeated for credit under different subtitles.

Credit Hours: 3

Additional Restrictions/Requirements: Any HST course or consent of instructor.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 9 **Repeat Limit:** 3

HST 385 - Special Topics in Jewish History

Examination of themes in the history, religion, and culture of the Jewish people from antiquity to the present, including the Jews in the modern world, Zionism and Israel, Anti-Semitism and the Holocaust. Course may be repeated for credit under different subtitles.

Credit Hours: 3

Additional Restrictions/Requirements: Any HST course or consent of instructor.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 9 **Repeat Limit:** 3

INT 350 - Topics in the Middle East

Intensive study of a selected topic or theme about the Middle East. May be repeated under different subtitles.

Credit Hours: 3

Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

INT 351 - The Contemporary Persian Gulf

Examination of the political, social, and economic history and issues of the Persian/Arabian Gulf in the 19th, 20th, and 21st centuries.

Credit Hours: 3

University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

INT 353 - Modern Iraq

Examination of the political, social, and economic history and various regional issues concerning the nation-state of Iraq and how it relates to the Middle East region at-large in the 20th and 21st centuries.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

INT 361 - Ethnic Conflicts and Territorial Disputes

Examination of modern territorial disputes and ethnic conflicts in Asia, Europe, Africa and the Middle East in the 20th and 21st centuries.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

PAR 235 - Introduction to the Old Testament

Historical study of the Hebrew Scriptures and their cultural background; focus on the values, problems, and perceptions of the human condition reflected in these texts and archaeological data related to them.

Credit Hours: 3

University Studies: Approaches and Perspectives/Historical and Philosophical Approaches, Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

PAR 362 - Archaeology of Ancient Israel

Study of Ancient Israel, its peoples and cultures through archaeological artifacts and analysis of ancient writings.

Credit Hours: 3

Prerequisite Courses: PAR 103 or PAR 235
Additional Restrictions/Requirements: Prerequisite courses or consent of instructor.
University Studies: Building

Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

PAR 376 - Judaism

Introduction to religious beliefs, rituals and traditions of Judaism. Examination of its historical background and contemporary significance.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

PLS 338 - Political Systems of the Middle East

Governments and politics of the Middle East with emphasis on the changes that have occurred since 1945. A detailed examination of the forces that have shaped contemporary Middle Eastern politics: Islam, nationalism, modernization, and current political trends. The political institutions and processes and the domestic and foreign policies of selected countries will be studied.

Credit Hours: 3

Prerequisite Courses: PLS 230
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

PLS 428 - Global Terrorism

Investigates the phenomenon of terrorism at the international and global level with particular empasis on why terrorism occurs, and on domestic level and international cooperative counterterrorism.

Credit Hours: 3

Prerequisite Courses: PLS 220
Course Repeatability: Course may not be repeated.

Total Credit Hours: 21

Additional Information

Students must have a least a "C+" (2.33) average in courses counted toward the minor, and at least two courses counted toward the minor must be at or above the 300-level.

Music Minor

The minor in Music provides students with foundational courses in music theory, aural skills, and music history; performance experience through applied lessons and ensembles; and the opportunity to explore their interests further through their choice of music electives.

Admission Requirements

Current UNCW Undergraduate Students

- See University Admission Requirements

Requirements for a Minor in Music

MUS 111 - Theory I

An in-depth study of the basic material of music, including notation of pitch and rhythm, intervals, scales and modes, key signatures, and triads. The lab for this course is MUSL 111.

Credit Hours: 2

Corequisite Courses: ["MUSL 111"]
Additional Restrictions/Requirements: Corerequisite course; Theory Placement test required.

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives
Course Repeatability: Course may not be repeated.

MUS 112 - Theory II

A study of tonality, triads in inversion, phrase structure and cadences, harmonic progression, the technique of harmonization, and non-harmonic tones. The lab for this course is MUSL 112.

Credit Hours: 2

Corequisite Courses: ["MUSL 112"]
Prerequisite Courses: MUS 111 with a minimum grade of C-
Course Repeatability: Course may not be repeated.

MUSL 111 - Aural Skills and Sight-Singing I

Includes melodic, harmonic and rhythmic dictation and sight-singing using the materials introduced in MUS 111. This course is the lab for MUS 111.

Credit Hours: 1

Corequisite Courses: ["MUS 111"]
Course Repeatability: Course may not be repeated.

MUSL 112 - Aural Skills and Sight-Singing II

Includes melodic, harmonic, and rhythmic dictation, and sight-singing using the materials introduced in MUS 112. This course is the lab for MUS 112.

Credit Hours: 1

Corequisite Courses: ["MUS 112"]
Prerequisite Courses: MUSL 111
Course Repeatability: Course may not be repeated.

MUS 150 - Introduction to Music Listening

Guided listening to representative works from Western classical, jazz, popular, and global music traditions. Development of ability to describe elements of compositions and style using basic musical vocabulary. Concert attendance required in addition to the regular class meeting time.

Credit Hours: 1

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives
Course Repeatability: Course may not be repeated.

And one course from:

MUS 351 - Introduction to Music History I: Middle ages - Classical Periods

Overview of music history and literature, stressing the stylistic developments of music and related social and historical events of the Middle Ages, Renaissance, Baroque and Classical periods.

Credit Hours: 3

Prerequisite Courses: MUS 150
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
University Studies: Approaches and Perspectives/Historical and Philosophical Approaches, Building Competencies/Writing Intensive, Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

MUS 352 - Introduction to Music History II: Romantic-Contemporary Periods

Overview of music history and literature, stressing the stylistic developments of music and related social and historical events of the Romantic and Contemporary periods.

Credit Hours: 3

Prerequisite Courses: MUS 150
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
University Studies: Approaches and Perspectives/Historical and Philosophical Approaches, Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

Ensemble Courses (4 Credit Hours)

MUS 183 - Chamber Singers

Select group chosen by audition. The singers study and perform a variety of repertoire written for a smaller choir or chamber group. Three rehearsal hours per week.

May be repeated for credit.

Credit Hours: 1

Additional Restrictions/Requirements: Audition and consent of director.
University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12 **Repeat Limit:** 11

MUS 184 - Jazz Ensemble

The development of idiomatic performance techniques of jazz music in a variety of styles and mediums through the study of its musicians, as well as performance practices throughout its history. (Intended for students who have had instrumental experience.) May be repeated for credit.

Credit Hours: 1

Additional Restrictions/Requirements: Audition and consent of instructor.

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives, Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

MUS 185 - Symphonic Band

The Symphonic Band is an outstanding ensemble consisting of highly talented woodwind, brass and percussion players, including both music majors and non-music majors. Enrollment is open to all UNCW students with previous instrumental experience and the necessary skills to perform on a wind or percussion instrument. Three rehearsal hours per week and typically two concerts each semester. May be repeated for credit.

Credit Hours: 1

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives

Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

MUS 186 - University Chorale

Singers study and perform repertoire of various historical periods and styles appropriate for large chorus. May be repeated for credit.

Credit Hours: 1

Additional Restrictions/Requirements: Auditions and consent of director.
University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12 **Repeat Limit:** 11

MUS 187 - Orchestra

Study and performance of the orchestral literature; meets a minimum of two hours per week and gives two or three performances per semester. Section 001 is the Wilmington Symphony Orchestra, membership by audition only; Section 002 is the UNCW String

Ensemble, open to UNCW students without audition. May be repeated for credit.

Credit Hours: 1

Additional Restrictions/Requirements: Audition and consent of director.
University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

Students may substitute 1 hour of MUS 130 Chamber Music Workshop for one ensemble hour.

Applied Lessons (4 Credit Hours)

MUS 195 - Lower Level Applied Music, Private Lessons

Includes one half-hour private lesson per week and a minimum of one MUS LAB/seminar hour each week. Requires a minimum of five practice hours per week. Intended for BA music majors or music minors. May be repeated for credit.

Credit Hours: 1

Corequisite Courses: ["MUS LAB"]
Additional Restrictions/Requirements: Corequisite course, audition, consent of Music Department chair and instructor.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

Music Electives (5 Credit Hours)

These may include additional ensembles or applied lessons. Of the five elective hours, 3 must be from the 300 or 400 level.

Total Credit Hours: 23

Additional Information

A minimum final grade of "C-" is required in each music course and an overall GPA of "C" (2.00) or better is required in courses counted toward the minor. Admission to the program requires approval by the Department of Music and an audition in the major performance medium.

Musical Theatre Minor

The interdisciplinary minor in Musical Theatre is offered to students in all majors seeking to enhance their degree with an added focus in the discipline of musical theatre. All students take core coursework in applied voice, dance and movement, scene study and production workshops, and musical theatre history and literature; non-theatre majors take foundational acting courses and non-music majors take foundational courses in musicianship and class voice. For additional information, students should contact the coordinator in the Department of Music.

Admission Requirements

Current UNCW Undergraduate Students

- See University Admission Requirements

Requirements for a Minor in Musical Theatre

Applied Voice Lessons (3 Credit Hours)

Required for all students:

> Three credit hour of applied voice lessons (either MUS 195 or MUS 196)

MUS 195 - Lower Level Applied Music, Private Lessons

Includes one half-hour private lesson per week and a minimum of one MUS LAB/seminar hour each week. Requires a minimum of five practice hours per week. Intended for BA music majors or music minors. May be repeated for credit.

Credit Hours: 1

Corequisite Courses: ["MUS LAB"]
Additional Restrictions/Requirements: Corequisite course, audition, consent of Music Department chair and instructor.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

MUS 196 - Lower Level Applied Music, Private Lessons

Corequisite: MUS LAB (appropriate section). Includes one-hour private lesson per week (TBA) and a minimum of one MUS LAB/seminar hours each week. May be repeated for credit.

Credit Hours: 1

Additional Restrictions/Requirements: Audition; consent of music department chair and instructor. This course is intended for music majors only.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

Performance Techniques and Workshops (3 Credit Hours)

Required for all students:

MUS 334 - Musical Theatre Performance Techniques

Overview of the musical basic skills and performance techniques necessary to successfully perform musical theatre.

Credit Hours: 1

Course Repeatability: Course may not be repeated.
Minor Restriction Musical Theatre

Two credit hours of Musical Theatre Workshop:

MUS 335 - Musical Theatre Workshop

Musical preparation and staging of musical theatre scenes through dramatic interpretation and body movement. Three rehearsal hours per week. May be repeated for credit.

Credit Hours: 1

Prerequisite Courses: MUS 334.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 4 **Repeat Limit:** 3
Minor Restriction Musical Theatre

History and Literature (3 Credit Hours)

Required for all students:

MUS 341 - American Musical Theatre

History and interpretation of American musical theatre from a variety of perspectives, including musical style, the role of dance, film realizations, cultural critique, racial and ethnic identity, and politics.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives, Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.

Dance (6 Credit Hours)

Required for all students:

THR 237 - THR 237 - Musical Theatre Dance - Sorensen

Development of body awareness in dance practice and performance utilizing traditional and contemporary musical theatre styles.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

And choose one of the following:

THR 134 - Ballet I

Basic and comprehensive Ballet Technique at a beginning level. Accumulative credit limited to six semester hours.

Credit Hours: 3

Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6

THR 135 - Modern Dance I

A beginning level modern dance class focusing on dance as an art form. Provides students with the opportunity to explore modern dance technique through floor work, center floor work, combinations moving through space, and strength and flexibility training.

Credit Hours: 3

Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6

THR 136 - Movement Exploration

Study through creative dance techniques of the body's potential as a tool for creative expression. Exploration of the relationship of dance to other art forms. Solo and group work using basic art concepts and the individual's own experience as materials for movement

improvisation and composition. No dance training necessary.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives
Crosslisting: PED 136
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

Non-Theatre Majors: Acting (6 Credit Hours)

Required for non-theatre majors:

THR 231 - Craft of Acting I - Self-discovery and Truth - Fundamental Techniques of Acting

Introductory level acting studio focused on the process of approaching a role. Script reading and analysis from the actor's perspective with specific attention given to circumstances and the world of the play. Concludes with the performance of a scene from a play. No prior acting experience required.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Major Restriction Theatre Majors Only

THR 332 - Craft of Acting II - Listening and Responding in the Moment

Study of acting techniques based on methodologies including those of Stanislavsky, Meisner, Donellan, and Hagen. In-depth exploration of contemporary realism and comedy scene study.

Credit Hours: 3

Prerequisite Courses: THR 230 (grade of B or better) or THR 231 (grade of B or better), or consent of instructor.
Course Repeatability: Course may not be repeated.
Major Restriction Theatre Major

Non-Music Majors: Musicianship and Class Voice (3 Credit Hours)

Required for non-music majors:

MUS 145 - Musicianship for Musical Theatre

Note-reading and basic keyboard skills for non-music majors in the Musical Theatre minor, with a focus on improving students' ability to efficiently learn and prepare musical theatre scores. Other topics include improvement of the singing voice through the study of vocal technique, repertoire, diction, and performance skills.

Credit Hours: 2

Course Repeatability: Course may not be repeated.
Minor Restriction Musical Theatre

> Non-music majors may pass out of MUS 145 by demonstrating equivalent proficiency on the Department of Music's music theory placement exam. If MUS 145 is waived, take at least 2 credit hours of electives in music or dance.

MUS 146 - Class Voice I

Intended for beginning singers and non-majors. Singing techniques learned through vocal exercises and study of song literature.

Credit Hours: 1

Course Repeatability: Course may be repeated.
Repeat Limit: 2

MUS 146 prepares the non-music major for private lessons in applied voice. Non-music majors who successfully audition into MUS 195 or MUS 196 upon entry to the Musical Theatre minor may have MUS 146 waived. If MUS 146 is waived, take 1 additional credit hour of MUS 195 or MUS 196 beyond the required 3 credit hours, for a total of 4 credit hours of private applied voice lessons.

Total Credit Hours: 21-24

Native American Studies Minor

The College of Humanities, Social Sciences, and the Arts offers an interdisciplinary minor in Native American studies (NAS). This minor provides students with a multicultural understanding of the histories, cultures, religions, arts, and literatures of American Indians. Students should contact the coordinator in the Department of English for additional information.

Admission Requirements

Current UNCW Undergraduate Students

- See University Admission Requirements

Requirements for a Minor in Native American Studies

Core Courses (9 Credit Hours)

HST 336 - American Indian History to 1900

North American Indian cultures and history from the pre-Columbian era to the end of the nineteenth century. Topics include Indian social, political, and economic life, religion and worldview, and gender roles; European and American interaction; development of federal Indian policy and the Indian response; status of Indians in contemporary America.

Credit Hours: 3

Additional Restrictions/Requirements: Any HST course or consent of instructor.
Course Repeatability: Course may not be repeated.

HST 337 - American Indian History after 1900

North American Indian history from 1885 to the present. Topics include Indian life on, off, and after the reservations; various late 19th and 20th century federal Indian policies and the Indians' response; and how Indians have survived into the modern era.

Credit Hours: 3

Additional Restrictions/Requirements: Any HST course or consent of the instructor.
Course Repeatability: Course may not be repeated.

ENG 356 - Indigenous American Literature

Study of past and present literatures of various Indigenous peoples of the Americas. May include oral traditions, tales, poetry, fiction, drama, and song, as well as more recent engagements with digital and electronic media.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG

205 is strongly recommended.
University Studies: Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.

ANT 304 - Domestication: Dogs, Cats, and Barley

Anthropological survey of the origins and relationships between domesticated animals and plants using archaeological, cultural, and biological sources, with a focus on the essential roles domesticates have played in the formation of societies and cultures.

Course Repeatability: Course may not be repeated.

Elective Courses (9 Credit Hours)

9 additional credits from

ANT 304 - Domestication: Dogs, Cats, and Barley

Anthropological survey of the origins and relationships between domesticated animals and plants using archaeological, cultural, and biological sources, with a focus on the essential roles domesticates have played

in the formation of societies and cultures.

Course Repeatability: Course may not be repeated.

ANT 307 - Archaeology of the Americas

Exploration of the peopling of the Americas and various New World indigenous groups, with an emphasis on chiefdom and state level societies. Archaeological, ethnohistorical, and epicgraphic evidence is used to study the Aztec and Maya of Mesoamerica, the Mississippians and Puebloan Indians of North America, and Andean civilizations of South America.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

HST 336 - American Indian History to 1900

North American Indian cultures and history from the pre-Columbian era to the end of the nineteenth century. Topics include Indian social, political, and economic life, religion and worldview, and gender roles; European and American interaction; development of federal Indian policy and the Indian response; status of Indians

in contemporary America.

Credit Hours: 3

Additional Restrictions/Requirements: Any HST course or consent of instructor.
Course Repeatability: Course may not be repeated.

HST 250 - North Carolina Indians

North Carolina Indian history from pre-Columbian times to present day. Topics include identity of North Carolina Indians; social, religious, political, and economic life; gender roles; European and American interaction; development of state and federal policy and Indian response; status of Indians in contemporary North Carolina and United States.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.

HST 337 - American Indian History after 1900

North American Indian history from 1885 to the present. Topics include Indian life on, off, and after the reservations; various late 19th and 20th century federal Indian policies and the Indians' response; and how Indians have survived into the modern era.

Credit Hours: 3

Additional Restrictions/Requirements: Any HST course or consent of the instructor.
Course Repeatability: Course may not be repeated.

PAR 350 - Native American Religions

Study of Native American Religions before and after Euro-American colonization by focusing on the importance of land, spirits, stories, rituals, and objects, as well as indigenous responses to Christianity, new religious movements, politics, and gender. Introduces students to the study of Native American Religions using a material culture research method.

Credit Hours: 3

University Studies: Approaches and

Perspectives/Living in a Diverse Nation
Course Repeatability: Course may not be repeated.

- any appropriate special topics course or seminar as offered, with the approval of the NAS minor coordinator.

Total Credit Hours: 18

Additional Information

Students must earn at least a "C" (2.00) average in courses counted for a minor in Native American studies.

Neuroscience Minor

The interdisciplinary minor in Neuroscience provides students with the opportunity to develop an understanding of the fundamentals of this emerging field which brings together the study of brain behavior and cognition. The curriculum is designed to reflect the interdisciplinary nature of the science through coursework from several different departments and to allow students to master the fundamentals of the field using both traditional classroom and applied learning venues. Students should contact one of the Neuroscience Minor coordinators for more information.

Requirements for a Minor in Neuroscience:

All students must complete five required core courses (14 hours). An additional 9 credit hours of electives selected from the list below are required to complete the minor. At least nine hours must come from courses outside the student's major (including major requirements outside the discipline - e.g., CHM 101 and CHM 102 for BIO or CHM majors and BIO 201 for PSY majors).

Required Core Courses:

PSY 105 - General Psychology

Principles of psychology with emphasis on scientific methods used in studying human behavior.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

BIO 201 - Principles of Biology: Cells

Introduction to principles governing living systems, especially the cellular and molecular basis of life and the transmission and utilization of genetic information. The lab for this course is BIOL 201.

Credit Hours: 3

Prerequisite or Corequisite Courses: BIOL 201
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

PSY 256 - PSY 256 - Brain and Behavior - Hungerford

An introductory survey of the functional anatomy of the nervous system and the roles which various neural systems play in normal and abnormal behavior.

Credit Hours: 3

Prerequisite Courses: PSY 105 and (BIO 105, BIO 140+BIOL 140, BIO 201, BIO 202, or BIO 240+BIOL

240)
Additional Restrictions/Requirements: Prerequisite courses or consent of the instructor.
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

BIO 443 - Neurobiology

General concepts of cellular neuronal signaling and circuit connectivity with an emphasis on how simple neuronal circuits produce behavior and behavioral variability.

Credit Hours: 3

Prerequisite Courses: BIO 240 or BIO 345 or PSY 256
Course Repeatability: Course may not be repeated.

PSY 456 - Advanced Biological Psychology

Advanced anatomy of the nervous system and the roles that various neural structures play in the control of behavior.

Credit Hours: 3

Prerequisite Courses: PSY 256 and (BIO 105 or BIO 201)
Additional Restrictions/Requirements: Prerequisite courses or consent of instructor. Students may not take this course if they have received credit for PSY 459.
Course Repeatability: Course may not be repeated.

BIO 495 - Seminar

Individual reports and group discussions of the results of student field, laboratory and/or library research on selected topics in biology. The lab for this course is BIOL 495.

Credit Hours: 1

Additional Restrictions/Requirements: Senior Standing.
University Studies: Explorations Beyond the Classroom, Building Competencies/Information Literacy

Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 2 **Repeat Limit:** 1

PSY 495 - Topical Seminar

Discussion of selected topics in psychology. May be repeated for additional credit.

Credit Hours: 1 To 3

Prerequisite Courses: PSY 105
Additional Restrictions/Requirements: Prerequisite course and consent of instructor.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

specific neuroscience topical seminar approved by minor coordinator.

Electives:

At least nine credit hours from any of the following with at least 3 credits from 400 level courses:

BIO 240 - Human Anatomy and Physiology I

Lecture must be taken concurrent with BIOL 240 . An introduction to the human organism with particular

emphasis on maintenance of an internal steady state. Tissues, musculoskeletal, nervous, and endocrine systems are stressed. The lab for this course is BIOL 240.

Credit Hours: 3

Corequisite Courses: BIOL 240.
Prerequisite Courses: BIO 201 and CHM 101 and CHML 101.
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

BIO 335 - Genetics

Principles of Mendelian inheritance, gene action and molecular genetics, and population genetics. The lab for this course is BIOL 335.

Credit Hours: 3

Prerequisite Courses: BIO 201 and BIO 202
Course Repeatability: Course may not be repeated.

BIO 368 - Behavioral Ecology

Evolutionary approach focusing on both proximate and ultimate causes of behavior. Feeding and antipredatory behavior, habitat selection, territoriality, reproductive behavior, mating systems, parental care, animal communication, and the evolution of social behavior. Emphasis on birds, mammals, and fish.

Credit Hours: 3

Prerequisite Courses: BIO 201 and BIO 202 and BIO 366
Course Repeatability: Course may not be repeated.

BIO 440 - Developmental Biology

Concepts of mechanism and control during animal embryology and organ morphogenesis. Topics include chemical signals and signal transduction, different gene expression, and the techniques used to study them. Current primary research literature is stressed. The lab for this course is BIOL 440.

Credit Hours: 3

Prerequisite Courses: BIO 335
Course Repeatability: Course may not be repeated.

BIO 443 - Neurobiology

General concepts of cellular neuronal signaling and circuit connectivity with an emphasis on how simple neuronal circuits produce behavior and behavioral variability.

Credit Hours: 3

Prerequisite Courses: BIO 240 or BIO 345 or PSY 256
Course Repeatability: Course may not be repeated.

BIO 459 - Endocrinology: Hormone Biology

Study of classic hormonal regulation with up-to-date perspective on all forms of chemical communication in animals. Concepts covered with support from research literature, including effects of mutations and endocrine disruption on health. Applicable to human medicine, veterinary medicine, and basic research. Training to find, read, and use research literature provided.

Credit Hours: 3

Prerequisite Courses: BIO 201 and BIO 202 and CHM 211
Course Repeatability: Course may not be repeated.

BIO 484 - Methods in Biological Research

Introduction to experimental design, data acquisition, statistical analysis, and preparation of manuscripts and presentations. Emphasis on multi-disciplinary approaches to hypothesis testing. Participation in a collaborative research project.

Credit Hours: 1 To 3

Prerequisite Courses: BIO 201 and BIO 202
Course Repeatability: Course may not be repeated.

CHM 101 - General Chemistry I

Overview of the fundamental laws, principles and theories of chemistry. A 'C' or better in CHM 101 is required to take certain advanced courses in chemistry.

Credit Hours: 3

Corequisite Courses: CHML 101.
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

CHML 101 - General Chemistry Laboratory I

Introduction to general chemistry laboratory techniques. This course is the lab companion course for general chemistry lecture CHM 101.

Credit Hours: 1

Corequisite Courses: CHM 101.
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

CHM 102 - General Chemistry II

Study of the fundamental laws, principles and theories of chemistry. Introduction to inorganic chemistry. Interpretation of experimental results. A 'C' or better in

CHM 102 is required to take certain advanced courses in chemistry.

Credit Hours: 3

Corequisite Courses: CHML 102.
Prerequisite Courses: CHM 101 and CHML 101.
Course Repeatability: Course may not be repeated.

CHML 102 - General Chemistry Laboratory II

Introduction to techniques and equipment used in the chemical laboratory. Interpretation of experimental results. This course is the lab for CHM 102 .

Credit Hours: 1

Corequisite Courses: CHM 102.
Prerequisite Courses: CHML 101, CHM 101.
Course Repeatability: Course may not be repeated.

PAR 320 - Philosophy of Mind

Selected readings drawn from classical and/or contemporary sources bearing on problems of the self, such as the issue of personal identity and the concept

of a person, the problem of the relation of mind and body and the question of the nature of consciousness.

Credit Hours: 3

Prerequisite Courses: PAR 101
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

PSY 245 - Drugs and Behavior

Psychological aspects of drug use and abuse. Emphasis on the effects of major psychoactive drugs (including alcohol) on behavior, the psychological determinants of drug use, and treatment of drug abuse.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

PSY 356 - Motivation and Emotion

Psychological theory and research in the areas of motivation and emotion. Basic as well as more complex

motive states are examined as they arise from physiological needs and from learning and cognitive processes. Data from animal as well as human studies are considered.

Credit Hours: 3

Prerequisite Courses: PSY 256
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

PSY 456 - Advanced Biological Psychology

Advanced anatomy of the nervous system and the roles that various neural structures play in the control of behavior.

Credit Hours: 3

Prerequisite Courses: PSY 256 and (BIO 105 or BIO 201)
Additional Restrictions/Requirements: Prerequisite courses or consent of instructor. Students may not take this course if they have received credit for PSY

459.
Course Repeatability: Course may not be repeated.

PSY 457 - Animal Behavior

Animal behavior including the traditional areas of ethology and comparative psychology. Primary emphasis is upon the similarities and differences in the behaviors of animals occupying various phylogenetic positions.

Credit Hours: 3

Prerequisite Courses: PSY 256 or PSY 257 or BIO 105 or BIO 202
Additional Restrictions/Requirements: Prerequisite courses or consent of instructor.
Course Repeatability: Course may not be repeated.

BIO 491 - Directed Individual Study

Involves investigation under faculty supervision beyond what is offered in existing courses. No more than 6 credits total may be applied to the major. For further information, consult the Enrichment Courses and Programs section in this catalogue.

Credit Hours: 1 To 3

Additional Restrictions/Requirements: Junior or senior standing, overall GPA of at least 2.00, and consent of instructor, department chair and dean.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

PSY 491 - Directed Individual Study

Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Enrichment Courses and Programs section in this catalogue.

Credit Hours: 1 To 3

Additional Restrictions/Requirements: Junior or senior standing, overall GPA of at least 2.00, and consent of instructor, department chair and dean.
University Studies: Explorations Beyond the Classroom

Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 9 **Repeat Limit:** 2

BIO 499 - Honors Work in Biology

Independent study for honor students.

Credit Hours: 2 To 3

Additional Restrictions/Requirements: Junior or senior standing.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6

PSY 499 - Honors Work in Psychology

Independent work for honors students.

Credit Hours: 2 To 3

Additional Restrictions/Requirements: Senior standing and eligibility for honors program.
University Studies: Explorations Beyond the Classroom

Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6

neuroscience related research experience approved by minor coordinator.*

*Note that only Directed Individual Study or Honors (PSY 491 or BIO 491 or PSY 499 or BIO 499) experiences that involve research experience related to neuroscience can be applied to the minor.

Total: 23 hours

Nonprofit Management and Leadership Minor

The College of Humanities, Social Sciences, and the Arts offers a Nonprofit Management and Leadership Minor designed to explain the special legal and financial circumstances under which NPOs operate and their relationship with their communities. The minor explains how NPOs must use principles and practices derived from the private sector to make optimal use of financial and human services, including volunteers. The minor demonstrates the importance of NPOs in creating and sustaining inclusive, productive, and democratic civil society.

Admission Requirements

Current UNCW Undergraduate Students

- See University Admission Requirements

Requirements for the Nonprofit Management and Leadership Minor

The minor requires 18 hours of course work, including 9 hours of core courses and 9 hours of Nonprofit Management and Leadership electives. For successful completion of the minor students must take 9 or more hours outside their major.

Core Courses (9 Credit Hours)

Choose three of the following courses:

PLS 308 - Public Administration

Introduction to public administration in the United States. Nature and scope of public administration, public interest in the administrative process, role of administrators, formal and informal organization, public personnel and financial management.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

PLS 360 - Introduction to Nonprofit Management

Covers management fundamentals in the nonprofit sector. Selected topics include governance, human relations, financial management, public relations and fundraising.

Credit Hours: 3

University Studies: Explorations Beyond the Classroom/Certified Internship Program
Course Repeatability: Course may not be repeated.

PLS 361 - Nonprofit Resource Development

Examines the range of ways for nonprofit organizations to raise funds from individuals, government, foundations, and corporations. Major theoretical foundations of fund development, general fundraising principles, donor market segregation, fundraising techniques, and key aspects of managing the fundraising process.

Credit Hours: 3

University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.

PLS 362 - Leading and Managing Volunteers

Addresses major issues in the leadership and management of volunteers in the nonprofit and public sectors. Focuses on the two main types of volunteers: service volunteers, and policy volunteers (board members). Topics covered include volunteer recruitment, screening, job design, supervision, recognition, and evaluation.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

PLS 434 - Nonprofit Leadership Experience

An engaged learning experience where students learn about nonprofit organizations, acquire useful employment skills and apply them in projects designed

by nonprofit organizations in conjunction with the instructor. Students will complete projects developed and needed by nonprofit organizations in the community; and students will meet and interact with members of the UNCW and nonprofit community.

Credit Hours: 3

University Studies: Explorations Beyond the Classroom
Crosslisting: PLS 534
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

Elective Courses (9 Credit Hours)

COM 220 - Interpersonal Communication

Introduction to the theory and practice of relational communication in face-to-face and social media situations and contexts. Focus is on improving interpersonal communication skills through understanding verbal, nonverbal, and relational processes.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.

COM 223 - Mediation and Conflict Management

Introduction to the principles of conflict management and alternative dispute resolution with an emphasis on mediation and conflict theory. Other topics include negotiation, arbitration and litigation.

Credit Hours: 3

Prerequisite or Corequisite Courses: COM 105.
Course Repeatability: Course may not be repeated.

COM 231 - Essentials of Integrated Marketing Communication

Exploration of advertising, public relations, promotions, events and experiential marketing, word-of-mouth marketing, and social media campaigns through an IMC framework. The IMC approach considers audience, research, messages, ethics, and the current

cultural environment to provide the foundations of sound practice. Students also explore careers in this area and how those careers shape our world.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Major Restriction IMC Certificate

COM 272 - Introduction to Organizational Communication

Study of organizations and virtual organizations as systems created and sustained by communication processes. Topics include organizational analysis and development, diversity, leadership, culture, HR and issues relevant to the global and international marketplace.

Credit Hours: 3

Additional Restrictions/Requirements: PCOM or COM or permission of instructor.
Course Repeatability: Course may not be repeated.
Major Restriction PCOM or COM

COM 334 - Integrated Marketing Communication: Message Design

Focuses on design, construction, and analysis of persuasive strategic messages in integrated marketing communication (IMC) contexts using communication and rhetorical theory. Types of messages include written, verbal, and multimedia.

Credit Hours: 3

Prerequisite or Corequisite Courses: COM 232
Prerequisite Courses: COM 231
Additional Restrictions/Requirements: Or permission of instructor.
Course Repeatability: Course may not be repeated.
Major Restriction COM or Integrated Marketing Communication Certificate

COM 378 - Business and Professional Communication

Develop and refine communication skills in business environments and other professional settings. Topics include written correspondence, selection and use of communication technologies, delivery of mediated

messages, and the design and delivery of professional presentations.

Credit Hours: 3

Prerequisite Courses: COM 101.
Additional Restrictions/Requirements: COM majors or Entrepreneurship minors, or permission of instructor.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.
Major Restriction COM Majors Only**Minor Restriction** Entrepreneurship

EBD 280 - Entrepreneurship for Non-Business Majors

Primary focus on the entrepreneurial mindset and the process for starting a business. Specific areas include the characteristics of successful entrepreneurs, profiles of successful new businesses, identifying and evaluating new business opportunities, and developing the business plan. Social and developmental

entrepreneurship are also addressed.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.

EBD 281 - Creativity and Innovation

Primary focus on the processes for fostering creativity and innovation. Emphasis on the creative process, creative problem solving, and intrapreneurship. Particular attention directed to the development of new products, services, processes, and business models.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

EBD 301 - Entrepreneurial Finance for Non-Business Majors

Course provides students with the knowledge and skills necessary to manage cash as well as manage the

necessary records in a small business. Topics include: calculating startup costs, running a monthly, quarterly and annual budget for a business, understanding the different sources of capital and how to obtain them, projecting income and what investors, lenders and grant organizations look for in an entrepreneurial venture. SBIR/STTR funding, financial analysis and record-keeping necessary to comply with federal, state, and local tax law are also addressed.

Credit Hours: 3

Prerequisite or Corequisite Courses: EBD 280 OR EBD 282
Additional Restrictions/Requirements: This course is for non-business majors and students in the BA Economics program. Students pursuing a BSBA in the Cameron School may not take this course.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

EBD 302 - Managing & Marketing for Entrepreneurs

Focus on key organizational activities that facilitate the growth and management of an enterprise. Provides valuable information for effective marketing techniques designed to grow, compete, and sustain the business. Focus on managing human resources and the ability to strategically develop the business model as it progresses through growth phases. Focus on key organizational activities that facilitate the growth and management of an enterprise. Provides valuable information for effective marketing techniques designed to grow, compete, and sustain the business. Focus on managing human resources and the ability to strategically develop the business model as it progresses through growth phases. Students will also learn successful exit strategies for a business. Leadership, management, positioning, legal strategies, sales strategies, and scaling strategy are also addressed.

Credit Hours: 3

Prerequisite or Corequisite Courses: EBD 280 OR EBD 282
Additional Restrictions/Requirements: This course

is for non-business majors and students in the BA Economics program. Students pursuing a BSBA in the Cameron School may not take this course.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

EBD 380 - Entrepreneurship

Primary focus is understanding entrepreneurship as a process and phenomenon that occurs in many different contexts. The course approaches entrepreneurship as a way of thinking and acting, as an attitude and a behavior. Specific areas include entrepreneuriial competencies (e.g., opportunity assessment and recognition techniques) and career paths, venture typologies, as well as basics of business and economic modeling, financing, marketing, legal and IP issues.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ACG 203.
Course Repeatability: Course may not be repeated

EBD 480 - Managing Emerging Ventures

Examination of the strategies for successful venture growth. Emphasis is placed on the challenges associated with maintaining a high rate of growth in relatively new firms. Particular attention directed to integrating strategic, operational and cultural issues. Students develop business plans for a new venture or business development. Extensive use of case analysis.

Credit Hours: 3

Prerequisite or Corequisite Courses: EBD 380.
Additional Restrictions/Requirements: Admission to Cameron School of Business.
University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

EBD 481 - Entrepreneurial Finance and Valuation

Focus on financial planning and analysis, sources of funding, and business valuation. Particular attention directed to debt financing, valuation theory and techniques, due diligence, angel investing, venture

capital funding, and public/private offerings. Extensive use of case study.

Credit Hours: 3

Prerequisite or Corequisite Courses: EBD 380.
Prerequisite Courses: FIN 335.
Additional Restrictions/Requirements: Prerequisite courses and admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.

ECN 325 - Environmental Economics

Application of basic economics principles is used to help understand environmental problems and evaluate alternative solutions. Economic principles will be employed to analyze fundamental environmental issues such as property rights, externalities, conservation, and public goods. Public policy issues such as environment protection, natural resource damage assessment, and pollution control will be evaluated from an economic perspective. Specific focus will be given to methods for

non-market valuation.

Credit Hours: 3

Prerequisite Courses: ECN 125 or ECN 221
Crosslisting: EVS 325
Course Repeatability: Course may not be repeated.

ECN 327 - Health Economics

Analysis of health-care delivery using economic reasoning. Specific topics include the demand for health, medical care, and insurance; socio-economic patterns in health-related behaviors and outcomes; physician and hospital services; private and public financing of care; regulation of the health-care marketplace; and medical innovation.

Credit Hours: 3

Prerequisite Courses: ECN 125 or ECN 221
Course Repeatability: Course may not be repeated.

ECN 328 - Public Finance

Study of state, local, and federal government revenue and expenditures; theory of taxation, tax shifting and incidence; theory of public goods, fiscal neutrality and government regulation; methods of achieving efficiency in government benefit-cost analysis, program budgeting (PPB), and pricing of government services.

Credit Hours: 3

Prerequisite Courses: ECN 222.
Additional Restrictions/Requirements: Prerequisite courses and either admission to Cameron School of Business or declared minor in economics
University Studies: Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.

ECN 329 - Industrial Organization and Public Policy

A theoretical and empirical study of how the structure of industry affects the conduct and performance of the firm; balanced coverage of public policy as it affects structure, conduct and performance.

Credit Hours: 3

Prerequisite Courses: ECN 222.
Additional Restrictions/Requirements: Prerequisite courses and either admission to Cameron School of Business or declared minor in economics.
Course Repeatability: Course may not be repeated.

ECN 330 - Natural Resource Economics

Economic principles are developed and applied to evaluate public and private decisions involving the use and allocation of natural resources. Optimal control theory is developed and applied to the management of natural resources. Attention is given to specific resources management areas such as forests and fisheries. The feasibility of alternatives for public policy is evaluated.

Credit Hours: 3

Prerequisite Courses: ECN 125 or ECN 221
Crosslisting: EVS 330
Course Repeatability: Course may not be repeated.

ECN 428 - Applied Regional Analysis

Theoretical and applied analysis of patterns and trends in local, state, and regional economic growth. Use of current computer-based methods in regional economic analysis including economic impact models. Applied analysis of current regional issues and government policies to address these issues.

Credit Hours: 3

Prerequisite Courses: ECN 222.
Additional Restrictions/Requirements: Prerequisite courses and either admission to Cameron School of Business or declared minor in economics.
University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

ECN 429 - Economics of Growth and Development

Economic principles are developed and applied to evaluate theories of economic growth and development in an international context. Major topics include: Measuring growth, theory of economic growth, the economics of poverty, agricultural issues, health,

nutrition, productivity, gender bias, education, and technological change; government failures, migration and population growth, theories of income distribution, human capital theory, social capital theory, the effect of geography on growth, and sustainable development.

Credit Hours: 3

Prerequisite Courses: ECN 222.
Additional Restrictions/Requirements: Prerequisite courses and either admission to Cameron School of Business or declared minor in economics.
University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

ENG 204 - Introduction to Professional Writing

An introductory survey of concepts in professional writing, including audience analysis, research methods, visual thinking, and composing processes. Includes a service-learning component.

Credit Hours: 3

University Studies: Building Competencies/Writing Intensive, Building Competencies/Information Literacy, Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.

ENG 308 - Grant and Proposal Writing

Study of grant and proposal writing for use in non-profit organizations, educational settings, and businesses. Emphasis on research methods, planning, developing funding relationships, and writing collaboratively. Includes a service-learning component.

Credit Hours: 3

University Studies: Building Competencies/Writing Intensive, Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.

ENG 313 - Writing About Science, Medicine, and the Environment

Exploration of scientific discourse focusing on analyzing scientific texts and rewriting scientific and

technical information for a variety of audiences. Includes the development of relevant research skills.

Credit Hours: 3

University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

ENG 314 - Digital Composing

Study of the intersection between writing and technology, including Web page creation, documentation, usability, desktop publishing, and the use of graphics with text.

Credit Hours: 3

Prerequisite Courses: ENG 204 or ENG 205 or permission of instructor.
University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

ENG 318 - Writing and Activism

Study of visual and textual elements of documents generated in the service of activist causes. Themes may include propaganda, grassroots and electronic activism, and the negotiation of power.

Credit Hours: 3

University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

ENG 412 - Writing in Intercultural and Global Contexts

Develops competency in writing within intercultural and global contexts. Focuses on developing critical perspective about cultural concepts and theories in the context of globalization through broader frameworks of discourse, commodities, space, and labor in everyday life.

Credit Hours: 3

University Studies: Building Competencies/Writing Intensive, Approaches and Perspectives/Living in a

Global Society
Course Repeatability: Course may not be repeated.

EVS 195 - Introduction to Environmental Sciences

Interdisciplinary introduction to the scope and application of environmental sciences. Emphasis on integrated analysis of environmental principles and discussions centering on current environmental problems. The lab for this course is EVSL 195.

Credit Hours: 3

Additional Restrictions/Requirements: EVS 195 and EVSL 195 may be taken in different semesters.
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

EVS 325 - Environmental Economics

Application of basic economic principles to help understand environmental problems and evaluate alternative solutions. Economic principles used to analyze fundamental environmental issues such as property rights, externalities, conservation, public good, environmental protection, natural resource damage assessment, and pollution control. Specific focus on methods for non-market valuation.

Credit Hours: 3

Prerequisite Courses: ECN 125 or ECN 221
Crosslisting: ECN 325
Course Repeatability: Course may not be repeated.

EVS 330 - Natural Resource Economics

Economic principles developed and applied to evaluate public and private decisions involving the use and allocation of natural resources. Optimal control theory developed and applied to the management of natural resources. Attention to specific resource management areas such as forests and fisheries. Feasibility of alternatives for public policy.

Credit Hours: 3

Prerequisite Courses: ECN 125 or ECN 221
Crosslisting: ECN 330
Course Repeatability: Course may not be repeated.

EVS 360 - Human Dimensions of Natural Resource Management

Examines the interrelationships between the biological sciences, physical sciences, and social sciences within the human dimensions of natural resource management framework in the context of current environmental issues. Uses contemporary management processes to solve real-world environmental problems.

Credit Hours: 3

Prerequisite Courses: EVS 195
University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors, Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.

EVS 361 - History and Philosophy of Natural Resources Management

Development of natural resources management in the United States. Specific attention to historical development of natural resources management policy, and the philosophical stance of individuals who are instrumental in creation of those policies.

Credit Hours: 3

Prerequisite Courses: EVS 195
Course Repeatability: Course may not be repeated.

EVS 364 - Natural Resource Policy

Existing natural resource laws, institutions and programs are summarized in their historical context and in relation to current natural resource issues. Philosophical underpinnings of policy positions are examined and discussed. Models of policy creation, implementation, and reform, with specific examples focusing on natural resource management.

Credit Hours: 3

Prerequisite Courses: EVS 195 or permission of instructor.
Additional Restrictions/Requirements: Junior or senior standing, or permission of instructor.
Course Repeatability: Course may not be repeated.

EVS 471 - National Parks and Protected Areas

Course will explore national parks and protected areas in the US and beyond from historical, ecological, social, and political perspectives. We will focus on understanding the role of these natural spaces in culture, individual and societal well-being, and environmental health and well as the impact of use, recreation and tourism on the parks themselves.

Credit Hours: 3

Prerequisite Courses: EVS 195 and EVS 205.
Course Repeatability: Course may not be repeated.

EVS 472 - Coastal Protected Areas Management

Study of resource management focused on protected areas maintained by government agencies and by private non-profit organization. Emphasis will be on

natural area significance, site selection, management plan development, policy formulation, protection options, use conflicts, and public relations.

Credit Hours: 3

Prerequisite Courses: EVS 195 and EVS 360
Additional Restrictions/Requirements: Prerequisite courses or consent of the Instructor.
Course Repeatability: Course may not be repeated.

EVS 476 - Topics and Issues in Sustainability

Study of fundamental concepts related to a sustainable society including current global and local issues. Focus on environmental topics (energy, water, climate, soil, forests, food, and population) with consideration of current social and economic issues. Additional Course Fees: Student Blanket Professional Liability Insurance.

Credit Hours: 3

Prerequisite Courses: EVS 195 and EVSL 195
Additional Restrictions/Requirements: Prerequisite

courses or consent of the instructor.
Course Repeatability: Course may not be repeated.

HST 334 - Public History

A study of the ways in which historians practice outside of the academy. Topics include historic preservation, museum interpretation, cultural resource management, media, and archives. Class may include guest speakers and field trips.

Credit Hours: 3

Additional Restrictions/Requirements: Any HST course or consent of instructor.
Course Repeatability: Course may not be repeated.

INT 314 - International NGOs, Globalization, and Development

Interdisciplinary overview of theories on the role international Nongovernmental Organizations play in

the development of a country including development of political and economic institutions. Focus on the mounting internal and external challenges that threaten the promise of international Nongovernmental organizations, particularly in the Global South.

Credit Hours: 3

Prerequisite Courses: INT 105 or permission of instructor.
Course Repeatability: Course may not be repeated.

LED 211 - Principles of Leadership

Introduction to leadership. Study of leadership theories, styles, and strategies. Emphasis on developing leadership skills in a variety of settings.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.

LED 311 - Communication and Leadership

Theory and practice of leadership. Focuses on issues of cohesiveness, trust, motivation, vision, and goals. Development of conflict management and decision-making goals.

Credit Hours: 3

Prerequisite Courses: LED 211
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

LED 411 - Contemporary Leadership Applications

Concepts related to leadership. Ability to envision and implement change for the common good using diverse perspectives and contexts. Applies leadership and organizational theories through real world experience and contemporary issues.

Credit Hours: 3

Prerequisite Courses: LED 311

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

MGT 350 - Principles of Management

Study of theories, research and concepts underlying the structure and processes of complex organizations. Emphasis on problem solving issues and applications in organization design, leadership, motivation and interpersonal communications.

Credit Hours: 3

Additional Restrictions/Requirements: Sophomore standing or admission to the Cameron School of Business.
University Studies: Approaches and Perspectives/Living in Our Diverse Nation, Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.

MGT 351 - Green Business and Sustainable Enterprise

Examination of green business and sustainable enterprise from multiple perspectives. Emphasis on how organizations create a sustainable focus in their productive activities and successfully compete in the eco-friendly marketplace. Particular attention directed to regulatory trends that impact green enterprises, the development of sustainable technologies, and the management of entrepreneurial efforts in green industries.

Credit Hours: 3

Additional Restrictions/Requirements: Junior Standing
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

MGT 356 - Human Resource Management

Evaluation of concepts and approaches used in human resource management and development. Study of manpower planning, selection procedures, performance review, compensation and benefits, equal employment/affirmative action factors, and labor relations. Emphasis is on how personnel specialists

and operating managers can improve organizational performance.

Credit Hours: 3

Prerequisite Courses: Prerequisite or Corequisite: MGT 350
Additional Restrictions/Requirements: Admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.

MGT 358 - Organizational Behavior

Application of behavioral science concepts in the management of organizations. Emphasis on increasing productivity on the individual, group, and organizational level. Particular attention directed to analyzing organizations, developing motivational programs, designing enriching jobs, leadership development, and managing organizational change.

Credit Hours: 3

Prerequisite or Corequisite Courses: MGT 350.
Additional Restrictions/Requirements: Admission to

Cameron School of Business.
Course Repeatability: Course may not be repeated.

MGT 359 - Talent Acquisition

This is an advanced course designed for management and human resource students. Upon completion, students will be able to develop and execute a recruitment and selection plan that ensures the organization is able to attract and retain top talent in order to meet company objectives. Students will gain expertise in designing and conducting valid employment interviews. Attention is given to the legal environment, planning, and job analyses.

Credit Hours: 3

Prerequisite or Corequisite Courses: MGT 356
Prerequisite Courses: MGT 350
Additional Restrictions/Requirements: BS Business Administration and Admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.
Major Restriction BS Business Administration

MGT 452 - Leadership and Organizational Change

Study the processes associated with transforming organizations in a world of continuous change. Particular attention on leadership skills, ethics, organizational structure, and corporate culture with the shared purpose of fostering innovation, continuous improvement, and organizational performance.

Credit Hours: 3

Prerequisite or Corequisite Courses: MGT 358.
Prerequisite Courses: MGT 356.
Additional Restrictions/Requirements: Prerequisite courses and admission to Cameron School of Business.
University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

MGT 456 - Employee and Labor Relations

Study of the current legislation affecting employee and labor relations, union organizing, collective bargaining, contract administration, union-management relations,

and best practices in employee relations in both unionized and non-unionized environments.

Credit Hours: 3

Additional Restrictions/Requirements: Admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.

MGT 457 - Training & Talent Development

Understanding of the processes involved in developing, administering, and evaluating effective talent development programs that will increase the productivity of employees and organizations. Particular attention on assessing training needs, identifying learning objectives, and using technology in the delivery of talent development programs.

Credit Hours: 3

Prerequisite or Corequisite Courses: MGT 350 and MGT 356
Additional Restrictions/Requirements: BS Business Administration and Admission to Cameron School of

Business
University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.
Major Restriction BS Business Administration

MGT 458 - Total Rewards

Examination of how compensation, benefits, motivation and evaluation systems can be used to enhance the satisfaction and performance of organizational talent. Particular attention on job analysis, job evaluation, pay levels and structures, pay for performance plans, performance appraisals, benefits, and general pay administration.

Credit Hours: 3

Prerequisite or Corequisite Courses: MGT 356
Additional Restrictions/Requirements: Admission to Cameron School of Business
Course Repeatability: Course may not be repeated.

MGT 459 - Negotiation

Study of theory, research and practice in negotiation. Topics include social dilemmas, distributive bargaining, integrative agreements, multiple-party scenarios, dispute resolution, third-party interventions and ethics. Negotiation exercises provide experience in a variety of contexts.

Credit Hours: 3

Additional Restrictions/Requirements: Admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.

MKT 340 - Principles of Marketing

Introduction to the concepts, activities and decisions that relate to the marketing function in domestic and international business. Focus on development and implementation of marketing strategies through the use of marketing mix variables of product, price, distribution, and promotion.

Credit Hours: 3

Additional Restrictions/Requirements: Sophomore standing or admission to the Cameron School of Business.
Course Repeatability: Course may not be repeated.

PBH 290 - Foundations of Public Health

An overview of the public health profession with emphasis on the foundations of public health such as definitions, history, philosophy, ethics, evidence-based principles, and determinants of health.

Credit Hours: 3

Additional Restrictions/Requirements: Minimum passing grade of "C-" or above required in each PBH course to progress in the program. Open to PBH majors only.
Course Repeatability: Course may not be repeated.

PBH 310 - Social and Behavioral Determinants of Health

An overview of social and behavioral concepts related to public health with specific emphasis on behavioral theory and evidence-based practice. Examines the integration of health behavior, health theories and health promotion.

Credit Hours: 3

Additional Restrictions/Requirements: Minimum passing grade of "C-" or above required in each PBH course to progress in the program. Open to PBH majors only.
Course Repeatability: Course may not be repeated.

PBH 400 - Health Ethics Policy and Law

Overview of the ethical, political, and legal implications that influence public health. Emphasis on current public healthcare issues and policies.

Credit Hours: 3

Additional Restrictions/Requirements: Minimum passing grade of "C-" or above required in each PBH

course to progress in the program. Open to PBH majors only.

University Studies: Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

PBH 435 - Public Health Organization and Administration

Focuses on the basic tools necessary to become effective managers and leaders in public health organizations. The main components and issues related to development and managing organizations, financing and delivery of health services will be discussed.

Credit Hours: 3

Additional Restrictions/Requirements: Open to Public Health majors only.
Crosslisting: HEA 435
Course Repeatability: Course may not be repeated.

PLS 217 - Ethics and Leadership in Public Life

Exploration of what it means to act responsibly and with integrity in public life in an environment of shared powers and competing values. Case studies, journals, role plays and film are used to illustrate concepts.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

PLS 362 - Leading and Managing Volunteers

Addresses major issues in the leadership and management of volunteers in the nonprofit and public sectors. Focuses on the two main types of volunteers: service volunteers, and policy volunteers (board members). Topics covered include volunteer recruitment, screening, job design, supervision, recognition, and evaluation.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

PSY 246 - Psychology of Personality

Overview of the theoretical models underlying the structure and organization of individual differences. Emphasis on empirical research evaluation the different theoretical models. Topics include the self-concept, awareness of motivation, perceived control, and the biological mechanisms influencing traits such as extraversion.

Credit Hours: 3

Prerequisite Courses: PSY 105
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

PSY 336 - Industrial-Organizational Psychology

Psychological techniques in job analysis, personnel selection and placement, training, performance appraisal, employee motivation, employee health and satisfaction, organizational productivity and communication, group decision making, and leadership.

Credit Hours: 3

Prerequisite Courses: PSY 246 or PSY 264
Additional Restrictions/Requirements: Prerequisite courses or consent of instructor.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

REC 375 - Leadership and Management in Tourism, Recreation, and Sport

Principles and practices of contemporary leisure service management, particularly the effective and efficient management of human, fiscal, informational, and physical resources through planning, organizing, directing, leading, and controlling decisions. Tutorials, case studies, and computer applications.

Credit Hours: 3

Prerequisite Courses: REC 265 and REC 270.
Additional Restrictions/Requirements: REC majors and minors only or permission of instructor.
University Studies: Building Competencies/Writing Intensive

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

REC 440 - Risk Management and Liability in Recreation Services

Examination of legal and legislative issues affecting the leisure delivery system in governmental, quasi-public, private, commercial, and institutional settings. Topics include terminology, risk management procedures, ordinances, regulatory law, licensing, legal redress, and constitutional law at the national and state levels.

Credit Hours: 3

Prerequisite Courses: REC 375
Additional Restrictions/Requirements: REC majors and minors only or permission of instructor.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

REC 450 - Conflict and Organizational Politics in Recreation, Sport and Tourism

An experiential approach to the study of conflict management and organizational politics in recreation,

sport and tourism leadership and administration. Emphasis on organizational politics, governing boards, and conflict resolution.

Credit Hours: 3

Prerequisite Courses: REC 375
Additional Restrictions/Requirements: REC majors and minors only or permission of instructor.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

REC 475 - Advanced Human Resource Management in Recreation

Examination and investigation of contemporary human resource management principles and techniques in the management of recreation services. Human resource management motivational theories and practices. In-depth case study analysis, simulations, and hands-on practical experiences.

Credit Hours: 3

Prerequisite Courses: REC 375

Additional Restrictions/Requirements: REC majors and minors only or permission of instructor.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 215 - Modern Social Problems

Contemporary social issues and conditions viewed as problematic, such as racism, sexism, crime, poverty, war, alienation, and deviance.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 240 - Individuals and Societies in a Global World

Introduction to globalization as an ongoing socio-economic process and as an analytical concept.

Examines various aspects of globalization of economies and societies.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 250 - Issues in Social Justice

Overview of the sociological study of social justice and policies that proclaim to promote social justice in the United States. Examines various forms of institutionalized inequality on the basis of social class, race/ethnicity, gender and sexuality.

Credit Hours: 3

Prerequisite Courses: SOC 105.
University Studies: Approaches and Perspectives/Living in a Diverse Nation
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 260 - Poverty Studies

Examination of the nature and extent of poverty in the United States. Discussion of poverty measurement, characteristics, poverty population, international comparisons, underlying causes of poverty and government programs and policies that address poverty.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in Our Diverse Nation, Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 303 - Media and Society

The relationship between mass media, culture, and society with special emphasis on the social, political, and economic contexts of the mass media. Media examined include television, the press, films, popular music, and the electronic superhighway.

Credit Hours: 3

Prerequisite Courses: SOC 105
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 305 - Demography

A study of the changes in size, composition, distribution of population and the dynamics underlying them.

Credit Hours: 3

Prerequisite Courses: SOC 105
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 306 - Sociology of Culture

Overview and analysis of the interplay between social and cultural structures. Examination of research in and theories of culture and social structure's dialectical relationship; dominant ideology and hegemony; cultural capital and cultural reproduction; symbol, ritual, and moral order; knowledge production and transformation; dynamics of cultural change.

Credit Hours: 3

Prerequisite Courses: SOC 105
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 315 - Urban Sociology

Analysis of the history and development, social organization, and problems of the city.

Credit Hours: 3

Prerequisite Courses: SOC 105
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 320 - Rural Sociology

An examination of the issues and perspectives in rural sociology. Multiple sociological aspects of rural life will be explored focusing on gender, race, social class and social change.

Credit Hours: 3

Prerequisite Courses: SOC 105
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 325 - Racial and Ethnic Group Relations

An examination of race and ethnicity in modern societies and social, economic, and political inequalities among racial and ethnic groups. Major topics include political-economic causes and consequences of prejudice, racism and institutional discrimination; social history of intergroup relations in the United States; comparative intergroup relations.

Credit Hours: 3

Prerequisite Courses: SOC 105
University Studies: Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 340 - Organizations in Modern Society

An introduction to the dynamics of social life in large-scale organizations. Topics include organizational social psychology, organizational structure and process, and organization-community relations.

Credit Hours: 3

Prerequisite Courses: SOC 105
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 380 - Social Classes

Examination of social stratification as the system of distribution of privilege, power and prestige in modern and traditional societies. Discussion of major theories and theorists of stratification; the structure and process of systems of social inequality; the causes, correlates and consequences of socially structured inequality.

Credit Hours: 3

Prerequisite Courses: SOC 105

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 415 - Globalization and Development

An examination of development and globalization theories and globalization processes in the 21st century through comparative development analysis.

Credit Hours: 3

Prerequisite Courses: SOC 105
Additional Restrictions/Requirements: Prerequisite course and 3 additional hours in sociology at the 300 level.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 449 - Sociology of Law

Analysis of the role of law in society. Special emphasis given to the relationship between law and social organization and the relation of sociocultural changes to substantive and procedural aspects of law. Law viewed as a collectivistic-individualistic process and as a reflection of sociocultural values.

Credit Hours: 3

Prerequisite Courses: SOC 105.
Additional Restrictions/Requirements: Junior or senior standing.
Crosslisting: CRM 449
Course Repeatability: Course may not be repeated.

SOC 486 - Sociology of Work and Occupations

Analysis of the place of work in society. Examines occupational structures as the primary link between persons and the larger society. Topics include the growth and development of occupational structure, occupations and technological change, and organizational complexity.

Credit Hours: 3

Prerequisite Courses: SOC 105
Additional Restrictions/Requirements: Prerequisite course and three additional hours in sociology or economics.

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SPN 490 - Service Learning and Research

Study of the Spanish-speaking population in a specific region. Each student completes 30 volunteer hours with a local agency that works with the Spanish-speaking community. A research project related to the Spanish-speaking population of a specific region or community is also required.

Credit Hours: 3

Prerequisite Courses: SPN 305 with a 'C' or better.
Additional Restrictions/Requirements: Junior or senior standing.
University Studies: Approaches and Perspectives/Living in Our Diverse Nation, Building Competencies/Information Literacy, Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.

SPN 498 - Internship in Spanish

Program of work and study conducted within an agency and/or setting that provides practical experience with observation and application of foreign language skills.

Credit Hours: 3

Additional Restrictions/Requirements: Junior or senior standing, completion of at least 12 hours of course work in SPN at the 300 or 400 level, and consent of instructor.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

SWK 106 - Social Work Global Visions: Citizens, Issues and Approaches

Explores the global issues faced by disenfranchised people around the world, including issues of diversity, poverty, political issues, economic concerns and environmental issues. How social work on an international level addresses these issues through collective strength-based practice will be covered.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SWK 235 - Introduction to Social Work and the Social Welfare System

Social welfare institution and the social work profession in the United States; the values, methods and roles of social workers and the history of the system.

Credit Hours: 3

Additional Restrictions/Requirements: Students must earn a "C" or better in each SWK course in order to progress in the program.
University Studies: Approaches and

Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.

SWK 335 - Social Welfare Policies

Social, cultural, economic, and political influences on the social welfare system. Policymaking, program development and planning.

Credit Hours: 3

Corequisite Courses: SWK 396.
Prerequisite Courses: SWK 235 and PLS 101.
Additional Restrictions/Requirements: Restricted to BSW majors main campus and/or extension site. Students must earn a "C" or better in each SWK course in order to progress in the program.
University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors, Building Competencies/Information Literacy, Writing Intensive
Course Repeatability: Course may not be repeated.

SWK 355 - Issues in Diversity for Generalist Practice

Values, biases, and prejudices which produce personal and social vulnerability. Consequences in the lives of people of color, women, the poor, gays and lesbians, and others.

Credit Hours: 3

Corequisite Courses: SWK 240 and SWKL 240 and SWK 320, each with a grade of 'C' or better.
Prerequisite or Corequisite Courses: SWK 235 with a grade of 'C' or better.
Additional Restrictions/Requirements: Restricted to BSW majors main campus and/or extension site. Students must earn a "C" or better in each SWK course in order to progress in the program.
University Studies: Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.

SWK 460 - Grant Writing for Human Services

Study and development of grant writing skills for human service workers. Course discusses development of needs assessment, goal setting, program design, evaluation, budgeting and securing funding sources.

Credit Hours: 3

Additional Restrictions/Requirements: Students must earn a "C" or better in each SWK course in order to progress in the program.
Course Repeatability: Course may not be repeated.

THR 121 - Introduction to Theatre

Appreciation of theatre through an understanding of its artistic elements, history, dramatic literature, and audience involvement.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

THR 380 - Stage Management

The techniques used by professionals for the managment of theatrical and performance events. Students will learn organizational and leadership skills necessary for being sucessful stage managers.

Credit Hours: 3

Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 3

THR 381 - Theatre Management

An introduction to the theory and art of managment in the American theatre. Basic principles of business practices and relate them to theatre management. Examines the various types of theatre organizations and production methods.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

WGS 210 - Introduction to Women's Studies

This course introduces students to the discipline of women's and gender studies. Status of women from a variety of historical, economic, cultural, and theoretical perspectives. Topics include masculinity, femininity, violence, reproductive health, issues in sexual orientation, and the intersectional dynamics of race, class, and gender.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

WGS 212 - Sexuality and Gender

Theoretical and cultural contexts and complexities of sexuality as they relate to the dominant culture. Intersections of race, class, gender and sexual orientation will be examined in relation to the formation of sexual identity and the contradictions of institutionalized norms and standards.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

WGS 495 - Seminar in Women's and Gender Studies

Intensive interdisciplinary study of a topic or theme in women's studies, such as women and sports, women in art history, or feminist theory.

Credit Hours: 3

Prerequisite Courses: WGS 210
Additional Restrictions/Requirements: Prerequisite course and 6 additional hours of courses in the WGS minor or consent of instructor.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

Total Credit Hours: 18

Oceanography Minor

The Department of Earth and Ocean Sciences offers a minor Oceanography. Because oceanography is a truly integrative and synthetic field which continues to become more technological and global in its approach, the oceanography minor requires students to develop basic proficiencies in a variety of oceanography related fields, while allowing students to focus on their specific interests through selection of appropriate elective course work.

Requirements for a Minor in Oceanography

Requires a minimum of 18 credit hours including 7 hours of core courses and 11 hours of electives. At least 9 hours of electives must be in courses at the 300 level or above.

Core Courses (7 Credit Hours)

OCN 150 - Introduction to Oceanography

An introduction to the geology, physics, chemistry, and biology of the ocean; instruments and techniques of oceanography; resources of the ocean. The lab for this

course is OCNL 150.

Credit Hours: 3

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

OCNL 150 - Introduction to Oceanography Laboratory

A hands-on, experiential introduction to the study of the oceans including geological, biological, chemical, and physical aspects. Instruments and techniques of oceanography, marine resources, and human interaction with the oceans will also be explored. Multiple required field trips. This course is the lab for OCN 150.

Credit Hours: 1

Prerequisite Courses: Prerequisite or corequisite: OCN 150.
University Studies: Approaches and

Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

OCN 350 - Advanced Oceanography

An in-depth examination of the structure and formation of ocean basins, the role of oceans in the hydrological cycle, the physical properties of seawater, atmospheric and ocean circulation, waves, and tides. Emphasis on data analysis and quantitative problem solving.

Credit Hours: 3

Prerequisite Courses: OCN 150
University Studies: Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

Elective Courses (11 Credit Hours)

Students must also complete a minimum of 11 hours of electives, 9 of which must be above the 299 level. Students may select from any OCN courses, or from the following list.

BIO 318 - Invertebrate Zoology

Survey of invertebrate animals with emphasis on the structure, function, phylogeny, ecology, and life histories of marine taxa. The lab for this course is BIOL 318.

Credit Hours: 3

Corequisite Courses: BIOL 318
Prerequisite Courses: BIO 201 and BIO 202.
Course Repeatability: Course may not be repeated.

BIOL 318 - Invertebrate Zoology Laboratory

Introduction to invertebrate sampling techniques and data analysis. Experience in species identification with emphasis on the structure, function, phylogeny, ecology, and life histories of marine taxa. This course is the lab for BIO 318.

Corequisite Courses: BIO 318
Prerequisite Courses: BIO 201 and BIO 202.
Course Repeatability: Course may not be repeated.

BIO 362 - Marine Ecology

Introduction to basic ecological principles in the marine environment as they pertain to individual organisms, populations, communities, and ecosystems. The lab for this course is BIOL 362.

Credit Hours: 3

Prerequisite Courses: BIO 201 and BIO 202.
University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

BIOL 362 - Marine Ecology Laboratory

Introduction to basic ecological principles in the marine environment as they pertain to individual organisms, populations, communities, and ecosystems. Laboratory activities are designed to give students experiential knowledge and acquaint them with the regional marine fauna and flora. This course is the lab for BIO 362.

Credit Hours: 1

Prerequisite or Corequisite Courses: BIO 362
Prerequisite Courses: BIO 201 and BIO 202

University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

BIO 363 - Coral Reef Ecology

Ecology and physiology of coral reef organisms, emphasizing processes that contribute to the function and complexity of coral reef ecosystems. Reef information and geology, coral biology and physiology, ecological interactions, human effects, global effects, and conversation will be considered. The lab for this course is BIOL 363.

Credit Hours: 3

Prerequisite Courses: BIO 201 and BIO 202.
Course Repeatability: Course may not be repeated.

BIOL 363 - Coral Reef Ecology Laboratory

Methods for studying coral reef taxa, community structure, coral physiology, and ecological processes will be explored. Independent project required.

Credit Hours: 1

Prerequisite or Corequisite Courses: BIO 363
Prerequisite Courses: BIO 201, BIO 202
Course Repeatability: Course may not be repeated.

BIO 367 - Antarctic Ecology, Geology, History, and Policy

An in-depth examination of the frozen continent including its geologic origins, ice sheet formation, and fossil record. Its unique ecology, endemic wildlife, discovery and human history, anthropogenic impacts, and current international agreements to protect resources will also be examined. Open to juniors and seniors from all major departments. Also offered as BIO 585 with additional requirements.

Credit Hours: 3

Prerequisite Courses: BIO 201 and BIO 202
Course Repeatability: Course may not be repeated.

BIO 434 - Coastal Marine Ecology

An in-depth study of the major processes controlling populations and structuring coastal marine

communities. Emphasis is on the review and discussion of important historical and recent scientific papers.

Credit Hours: 3

Prerequisite Courses: BIO 366 or BIO 362
Course Repeatability: Course may not be repeated.

BIO 462 - Deep Sea Biology

Study of deep-sea biosphere, with emphasis on the biology of abyssal zones off the North Carolina coast and hydrothermal vent ecosystems. Topics include unique benthic and pelagic animals in deep-sea environments and their physiological adaptations to hydrostatic pressure and low temperature, nutritional dynamics, reproductive strategies, energy flow, and speciation in abyssal and ultra abyssal zones.

Credit Hours: 3

Prerequisite Courses: BIO 362
Course Repeatability: Course may not be repeated.

BIO 489 - Benthic Ecology

The scientific study of the organisms and processes that structure coastal benthic communities. Benthic communities encompass the vast seafloor areas of estuaries and oceans and support aquatic communities, fisheries, larger species of interest, and critical ecosystem processes.

Credit Hours: 3

Prerequisite Courses: BIO 201, BIO 202, BIO 366.
Course Repeatability: Course may not be repeated.

CHM 377 - Environmental Chemistry

Introduction to the chemistry of air, soil, and natural waters. Processes of environmental degradation, cleanup, and pollution prevention. Selected current topics. The lab for this course is CHML 377.

Credit Hours: 3

Prerequisite Courses: CHM 102 and CHML 102.
Course Repeatability: Course may not be repeated.

CHML 377 - Environmental Chemistry Laboratory

Laboratory analysis of environmental samples, including applications of standard EPA methods. This course is the lab for CHM 377.

Credit Hours: 1

Corequisite Courses: CHM 377
Course Repeatability: Course may not be repeated.

CHM 475 - Chemical Oceanography

Introduction to chemical oceanography, including discussion of sources, distribution, forms of occurrence of chemical species in seawater; chemistry of salty solutions; air-sea interactions; marine carbonate system; organic compounds and trace elements in seawater; estuarine chemistry.

Credit Hours: 3

Prerequisite Courses: Prerequisite: CHM 102 and CHML 102. Recommended prerequisite or corequisite: CHM 235 and OCN 150.
Course Repeatability: Course may not be repeated.

EVS 472 - Coastal Protected Areas Management

Study of resource management focused on protected areas maintained by government agencies and by private non-profit organization. Emphasis will be on natural area significance, site selection, management plan development, policy formulation, protection options, use conflicts, and public relations.

Credit Hours: 3

Prerequisite Courses: EVS 195 and EVS 360
Additional Restrictions/Requirements: Prerequisite courses or consent of the Instructor.
Course Repeatability: Course may not be repeated.

GGY 322 - Introduction to Remote Sensing

Theory and application of remote sensing techniques and software applications for environmental sciences, geography, earth sciences, hydrology, archaeology, forestry, and public health. Includes satellite data collection, digital image processing, multispectral image analysis, introduction to thermal infrared and microwave data through laboratory exercises. Students work in small groups to apply remote sensing concepts to solve complex problems. Two lecture and two

laboratory hours each week.

Credit Hours: 3

Prerequisite Courses: GGY 130 or GGY 215 or GLY 101 or GLY 120 or OCN 150 or EVS 195 or consent of instructor.
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

GGY 333 - Applied Climatology

The spatial distribution and character of climates, their relation to other elements of the environment and to human activities. Students work individually or in small groups to solve problems through applications of climate principles and data.

Credit Hours: 3

Prerequisite Courses: GGY 130 or GGY 230
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
University Studies: Building Competencies/Writing

Intensive
Course Repeatability: Course may not be repeated.

GGY 383 - Geography of Islands and Coasts

The study of islands and coasts as unique geographic features. Explores the physical processes of islands and coasts, the environmental history of islands and coasts, and current environmental issues unique to islands and coasts.

Credit Hours: 3

Prerequisite Courses: GGY 101 or consent of instructor.
Course Repeatability: Course may not be repeated.

GGY 424 - Advanced Geographic Information Systems

Advanced theory and application of the use of Geographic Information Systems (GIS), spatial data collection, data structures, data management, and relational databases, spatial analysis, and display of geographic information in a computer-based environment. Lectures, demonstrations, and lab

exercises. Two lecture and two laboratory hours each week.

Credit Hours: 3

Prerequisite Courses: GGY 321 or consent of instructor
University Studies: Explorations Beyond the Classroom
Crosslisting: GGY 524
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

GGY 426 - Environmental Geographic Information Systems

Overview of environmental applications of GIS including planning, date development, and analysis of the data, and oral and written presentation of the results. Students work individually or in small groups to remediate an environmental problem. Two lecture and two laboratory hours each week.

Credit Hours: 3

Prerequisite Courses: GGY 321 or consent of instructor
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Crosslisting: GGY 526
Course Repeatability: Course may not be repeated.

GGY 428 - Advanced Remote Sensing

Advanced theory and application of remote sensing techniques and software applications for environmental sciences, geography, earth sciences, hydrology, archaeology, and forestry. Includes satellite data collection, advanced classification methods, hyperspectral and microwave image analysis, and satellite elevation data construction. Two lecture and two laboratory hours each week.

Credit Hours: 3

Prerequisite Courses: GGY 322
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Crosslisting: GGY 528
Course Repeatability: Course may not be repeated.

GGY 433 - Weather Analysis and Forecasting

Introduction to tools of weather analysis and use of these tools to construct weather forecasts.

Credit Hours: 3

Prerequisite Courses: GGY 230 and GGY 333
Course Repeatability: Course may not be repeated.

GLY 390 - Field Methods in Geosciences

Applied study of geological materials and processes in field settings. Introduction to methods and techniques used in the geosciences including field measurement, sample retrieval and data analysis. Colloquium and required field trips.

Credit Hours: 2

Prerequisite Courses: GLY 132
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
University Studies: Explorations Beyond the Classroom, Common Requirements/Critical Reasoning
Course Repeatability: Course may be repeated.

Maximum Repeatable Hours: 4 **Repeat Limit:** 2
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

GLY 420 - Global Climate Change

Analysis of natural and anthropogenic global climate change with an emphasis on future global climate change. Topics include Earth's energy balance, the global carbon cycle, climate modeling, atmospheric composition, and dynamics. Review of geographical variation in climate change.

Credit Hours: 3

Prerequisite Courses: GGY 230
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
University Studies: Building Competencies/Writing Intensive
Crosslisting: GGY 420, PHY 420
Course Repeatability: Course may not be repeated.

GLY 426 - Geohydrology

Geology of groundwater and related aspects of surface waters. Methods of ground water resource evaluation, protection, exploitation, and contaminant remediation.

Credit Hours: 3

Prerequisite Courses: (GLY 101 or GLY 120 or OCN 150 or GGY 130), and (MAT 112 or MAT 160 or MAT 152 or MAT 161)
Additional Restrictions/Requirements: Junior or senior standing in geology, geoscience, geography, oceanography and/or environmental sciences, prerequisite courses, and consent of instructor.
Crosslisting: GLY 526
Course Repeatability: Course may not be repeated.

GLY 439 - Paleoclimatology

Climatic change throughout geologic time, with an emphasis on Quatenary climate change. Topics include an overview of Earth's climate system, tectonic-scale, orbital-scale, millennial-scale, and future climate change.

Credit Hours: 3

Prerequisite Courses: GGY 130 or GGY 230 or GLY 101
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
University Studies: Building Competencies/Writing Intensive
Crosslisting: GLY 539
Course Repeatability: Course may not be repeated.

GLY 450 - Geological Oceanography

Physiography, petrology, structure, sediments and geologic history of the ocean floor, including estuarine and coastal environments.

Credit Hours: 4

Prerequisite Courses: GLY 201 or GLY 205 or OCN 350
Course Repeatability: Course may not be repeated.

GLY 454 - Coastal Geomorphology

Provides an in-depth analysis of the coastal landforms that line the world's coasts. Understanding how these

land forms are created, evolve and erode is necessary to understanding the spatiotemporal evolution of the coastal zone.

Credit Hours: 3

Prerequisite Courses: OCN 150 or OCN 250 or GLY 101 or GLY 120 or GLY 125 or GGY 130 or EVS 195
Course Repeatability: Course may not be repeated.

GLY 465 - Introduction to Geophysics

Integrated application of geophysical methods to solve environmental and geologic problems. Includes discussion of reflection/refraction seismology, ground penetrating radar and gravity. Two lectures and three laboratory hours each week.

Credit Hours: 3

Prerequisite Courses: GLY 101 and (MAT 112 or MAT 160 or MAT 152 or MAT 161)
Crosslisting: GLY 565.
Course Repeatability: Course may not be repeated.

GLY 472 - Introduction to Geochemistry

Investigation of the abundance and distribution of chemical elements in the Earth's crust, mantle, atmosphere, hydrosphere, and biosphere. Introduction to thermodynamics, phase and mineral equilibrium, stable and radiogenic isotopes, and geochronology. Emphasizes the application of geochemical processes to solving geologic and environment problems, with selected examples from field and laboratory studies.

Credit Hours: 3

Prerequisite Courses: GLY 101 and CHM 101 and CHML 101.
Additional Restrictions/Requirements: Prerequisite courses and consent of instructor.
Crosslisting: GLY 572
Course Repeatability: Course may not be repeated.

GLY 473 - Isotope Geochemistry

Introduction to the use of radio and stable isotopes for studying environmental processes; radioactive decay and the applications of radioisotopes at daily to earth history time scales; isotopic fractionation, and applications of stable isotopes in modern and

paleoenvironments.

Credit Hours: 3

Prerequisite Courses: CHM 101 and CHML 101, and CHM 102 and CHML 102.
Additional Restrictions/Requirements: Prerequisite courses and consent of instructor.
Crosslisting: GLY 573
Course Repeatability: Course may not be repeated.

PHY 475 - Physical Oceanography

An introduction to the descriptive and dynamical features of ocean circulation. Topics include: the physical properties of seawater; oceanic heat budget; dynamics of ocean currents; descriptive oceanography; waves and tides.

Credit Hours: 3

Prerequisite Courses: (MAT 152 or MAT 162) and (PHY 102 or PHY 202)
Crosslisting: PHY 575
Course Repeatability: Course may not be repeated.

PHY 477 - Observational Methods in Physical Oceanography

Description of instrumentation used to measure temperature, salinity, pressure, and current in the ocean. Hands-on use of techniques and instrumentation to collect and analyze real oceanographic data. Credit is not allowed for both PHY 477 and PHY 577.

Credit Hours: 3

Prerequisite Courses: PHY 315 and PHY 475
University Studies: Explorations Beyond the Classroom, Building Competencies/Writing Intensive
Crosslisting: PHY 577
Course Repeatability: Course may not be repeated.
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

PHY 478 - Geophysical Fluid Dynamics

The fundamental principles governing the flow of a density-stratified fluid on a rotating planet, with applications to the motions of the ocean and atmosphere. Equations of state, compressibility,

Boussinesq approximation. Geostrophic balance, Rossby number. Poincare, Kelvin, Rossby waves, and geostrophic adjustment. Credit is not allowed for both PHY 478 and PHY 578.

Credit Hours: 3

Corequisite Courses: PHY 475
Prerequisite Courses: PHY 350
Crosslisting: PHY 578
Course Repeatability: Course may not be repeated.

PHY 479 - Ocean Circulation Systems

Focus on results of World Ocean Circulation Experiment (WOCE), a multi-national, multi-decadal program designed to observe the global ocean. Explores large-scale circulation and properties of the ocean as foundation for understanding the future of the world oceans and their role in climate change. Credit is not allowed for both PHY 479 and PHY 579.

Credit Hours: 3

Prerequisite Courses: PHY 475

Crosslisting: PHY 579
Course Repeatability: Course may not be repeated.

PHY 480 - Coastal And Estuarine Systems

Introduction to the physical processes operating within coastal and estuarine systems. Focus on the dynamical description of topics such as gravity waves, surf zone hydrodynamics, storm surge, tides, estuarine hydraulics, sediment transport, and morphodynamics. Credit is not allowed for both PHY 480 and PHY 580.

Credit Hours: 3

Prerequisite Courses: PHY 475
Crosslisting: PHY 580
Course Repeatability: Course may not be repeated.

PLS 370 - Global Environmental Governance

Explores international environmental negotiations and agreements of global environmental problems regarding overfishing, climate change, deforestation, biodiversity loss, trans-boundary pollutants, and water scarcity. Examines the debate surrounding sustainable development, ecological justice, and conflicts around

resource scarcity.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

Total Credit Hours: 18

Additional Information

Students must have an overall "C" (2.00) average in courses counted toward the minor.

Online Teaching and Learning Minor

Online education has increased significantly in K-12 institutions, community colleges, and higher education over the last decade. As a result of this increase, there is a need to train educators to teach in, create, and manage these online and virtual environments. This undergraduate minor program in Online Teaching and Learning (OT&L) is designed to meet the needs of pre-service teachers, teachers, and other individuals who wish to teach in, design, develop, and manage online learning environments.

The minor program in Online Teaching and Learning (OT&L) will provide participants with a multitude of learning experiences. These include design, development, implementation, and management of online courses using various Learning Management Systems (LMS); design and delivery of synchronous learning environments and learning management systems; design and development of electronic, self-directed learning materials, and others; and to teach in virtual schools. By completing this minor program, candidates have required competencies for teaching in, creating, and managing online programs.

Minor Program Objectives:

- Design, develop, implement, manage, and evaluate online learning environments, courses, and programs.
- Demonstrate skills in integrating instructional design principles and procedures with multimedia technologies and course management tools to develop highly engaging and interactive online learning environments.
- Develop knowledge safety, ethics, plagiarizing, and cyberbullying in online environments

- Develop knowledge and skills of designing, developing, delivering, and evaluating online learning environments and programs that are accessible for individuals with disabilities and are responsive to learners' diversity and cultural differences.
- Demonstrate competencies in creating and implementing assessments in online learning environments in ways that assure validity and reliability of instruments and procedures.
- Demonstrate competencies in using data and findings from assessments and other data sources to modify instructional methods and content and to guide student learning in online learning environments.
- Demonstrate administrative skills in planning, launching, maintaining, and coordinating distance education programs.

Requirements for a Minor in Online Teaching and Learning:

EDN 301 - Instructional Design and Evaluation

Provides conceptual tools and analytic skills essential to planning, implementing, and evaluating instruction.

The design of instruction that incorporates behavioral, cognitive and constructivist theories of learning and views of curriculum will be considered. Topics: types of learning; conditions of learning; performance objectives; purposes, forms, and procedures for educational assessment; task analysis, and lesson design.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite:EDN 200 and EDN 203.
Course Repeatability: Course may not be repeated.

EDN 303 - Instructional Technology

Emphasizes the design, selection, production, and evaluation of instructional materials, computer-generated presentations, and interactive multimedia, with particular emphasis on their effective integration into an instructional unit. Develops skill in the operation of media production equipment, including microcomputers, fundamentals of operating systems, computer software applications, networks, and telecommunications.

Credit Hours: 3

University Studies: Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

MIT 401 - Online Teaching: Design, Development, and Management

Focus on the design, development, and management of online instruction. Students will use principles of instructional to design and develop online courses with a focus on how to organize and manage an online environment in a Learning Management System (LMS).

Credit Hours: 3

Course Repeatability: Course may not be repeated.

MIT 402 - Multimedia Instruction for Online Learning

Students will follow the instructional design process to create and evaluate multimedia instruction for online computer-based environments. Several advanced

technologies will be incorporated to design and develop instructional material. These technologies will include video, computer-based authoring software, mobile and desktops, and other advanced technologies impacting online course development.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

MIT 413 - Assessment of Learning and Instruction

Examine purpose of formative and summative assessment and how it's applied across a variety of systems. Particular attention is paid to the concepts of reliability, validity, norms, interpretation of scores, response sets, fairness in testing and performance assessment, formative vs summative, and norm referenced vs. criterion referenced tests. A variety of formative and summative instruments that are used to measure or assess human attributes and behaviors are studied.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Additional Course Fees: None

MIT 414 - Foundations of Online Learning

This course overviews the concepts, technologies, and issues related to the design, development, delivery, policy-making, and evaluation of distance education courses and programs. Learn about online learning technologies and focus on techniques for teaching and learning within a distance education system.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

Philosophy Minor

Students who complete the minor in Philosophy develop critical skills in analytical thinking and thoughtful expression, which are essential for navigating professional life and engaging peoples of different philosophical backgrounds. Courses in philosophy explore questions in metaphysics, epistemology, logic, philosophy of science, ethics,

medical ethics, social and political philosophy, and aesthetics. They teach students how to analyze complex questions such as: how to live ethically, how to form beliefs properly, how to reason well, how to understand the connection between the mind and body, how to understand the complexities of justice, and how to live a fulfilling life.

Admission Requirements

Current UNCW Undergraduate Students

- See University Admission Requirements

Requirements for a Minor in Philosophy

PAR 101 - The Big Questions: Introduction to Philosophy

Introduction to various philosophers and philosophical problems from historical, critical, and other perspectives. Addresses the big questions of human existence, such as: What is right and wrong? Does God exist? How do we know anything about the world

around us? Students learn what a philosophical question is and discover just how pervasive philosophical assumptions are in life.

Credit Hours: 3

University Studies: Approaches and Perspectives/Historical and Philosophical Approaches, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

PAR 105 - Critical Reasoning With Artificial Intelligence

Introduction to the principles of proper reasoning through the use of generative AI. Exploration of how to assess the reasoning of AI and how to use AI to improve one's own argumentation. Study of the contrast between good and bad forms of reasoning as manifested by both humans and AI.

University Studies: Critical Reasoning
Course Repeatability: Course may not be repeated.

PAR 110 - Introduction to Logic

Introduction to the principles of logic including the rules of deduction, the categorical syllogism, induction, and fallacies. Initiation in computer logic programs.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

PAR 115 - Introduction to Ethics

An introduction to fundamental principles, theories, and problems in ethics.

Credit Hours: 3

University Studies: Approaches and Perspectives/Historical and Philosophical Approaches, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

and

PAR 201 - History of Western Philosophy I

A survey of Western philosophical thought in ancient and medieval times. Emphasis on the Greek origins of the philosophical tradition. Readings from the Pre-

Socratics, Plato, Aristotle, Roman philosophy and such Christian thinkers as Augustine and Thomas Aquinas.

Credit Hours: 3

University Studies: Approaches and Perspectives/Historical and Philosophical Approaches, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

PAR 202 - Modern Philosophy: Descartes to Kant

Introduction to the major topics of Western philosophy during the modern period, including skepticism, the existence of God, and the source of our ideas. Analysis of the thought of philosophers such as Descartes, Elizabeth of Bohemia, Locke, Berkeley, Leibniz, Hume, and Kant.

Credit Hours: 3

University Studies: Approaches and Perspectives/Historical and Philosophical Approaches,

Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

- an additional 9 hours in philosophy courses, at least 6 hours of which must be at the 300-400 level.

Total Credit Hours: 21

Additional Information

An overall grade point average of "C" (2.00) or better is required in courses counted toward the minor.

Physical Oceanography Minor

Requirements for a Minor in Physical Oceanography:

PHY 201 - General Physics I

First semester of a two semester calculus-based introduction to the fundamental principles of physics for the physical and mathematical sciences. Topics include kinematics, Newtonian statics and dynamics, gravitation, oscillations, and mechanical waves.

Credit Hours: 4

Prerequisite or Corequisite Courses: MAT 161
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

PHY 202 - General Physics II

Second semester of a two semester calculus-based introduction to the fundamental principles of physics for the physical and mathematical sciences. Topics include electric and magnetic fields, circuits, Maxwell's equations, electromagnetic waves, and optics.

Credit Hours: 4

Prerequisite or Corequisite Courses: MAT 162
Prerequisite Courses: PHY 201
Course Repeatability: Course may not be repeated.

PHY 475 - Physical Oceanography

An introduction to the descriptive and dynamical features of ocean circulation. Topics include: the physical properties of seawater; oceanic heat budget;

dynamics of ocean currents; descriptive oceanography; waves and tides.

Credit Hours: 3

Prerequisite Courses: (MAT 152 or MAT 162) and (PHY 102 or PHY 202)
Crosslisting: PHY 575
Course Repeatability: Course may not be repeated.

PHY 477 - Observational Methods in Physical Oceanography

Description of instrumentation used to measure temperature, salinity, pressure, and current in the ocean. Hands-on use of techniques and instrumentation to collect and analyze real oceanographic data. Credit is not allowed for both PHY 477 and PHY 577.

Credit Hours: 3

Prerequisite Courses: PHY 315 and PHY 475
University Studies: Explorations Beyond the Classroom, Building Competencies/Writing Intensive

Crosslisting: PHY 577
Course Repeatability: Course may not be repeated.
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

And 1 additional course from:

PHY 315 - Computational Physics and Complexity

Corequisites: PHY 321 or MAT 361. Introduction to numerial modeling techniques for solving problems in physics and complex systems. Numerial techniques will be applied to classical mechanics, bifurcation and dynamical systems, chaotic systems, thermodynamics, optimization, cellular automata, and self-organization.

Credit Hours: 3

University Studies: Explorations Beyond the Classroom, Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

PHY 350 - Fluid Mechanics

Emphasizes fundamental physical principles; fluid statics, fluid kinematics, integral and differential forms of the conservation laws for mass, momentum and energy; Bernoulli equation; laminar flows; potential flows; vorticity dynamics; dyanamic similarity; boundary layers; turbulence.

Credit Hours: 3

Prerequisite Courses: PHY 321 or MAT 361
Course Repeatability: Course may not be repeated.

PHY 478 - Geophysical Fluid Dynamics

The fundamental principles governing the flow of a density-stratified fluid on a rotating planet, with applications to the motions of the ocean and atmosphere. Equations of state, compressibility, Boussinesq approximation. Geostrophic balance, Rossby number. Poincare, Kelvin, Rossby waves, and geostrophic adjustment. Credit is not allowed for both PHY 478 and PHY 578.

Credit Hours: 3

Corequisite Courses: PHY 475
Prerequisite Courses: PHY 350
Crosslisting: PHY 578
Course Repeatability: Course may not be repeated.

PHY 479 - Ocean Circulation Systems

Focus on results of World Ocean Circulation Experiment (WOCE), a multi-national, multi-decadal program designed to observe the global ocean. Explores large-scale circulation and properties of the ocean as foundation for understanding the future of the world oceans and their role in climate change. Credit is not allowed for both PHY 479 and PHY 579.

Credit Hours: 3

Prerequisite Courses: PHY 475
Crosslisting: PHY 579
Course Repeatability: Course may not be repeated.

PHY 480 - Coastal And Estuarine Systems

Introduction to the physical processes operating within coastal and estuarine systems. Focus on the dynamical description of topics such as gravity waves, surf zone

hydrodynamics, storm surge, tides, estuarine hydraulics, sediment transport, and morphodynamics. Credit is not allowed for both PHY 480 and PHY 580.

Credit Hours: 3

Prerequisite Courses: PHY 475
Crosslisting: PHY 580
Course Repeatability: Course may not be repeated.

Total: 17 hours

Additional Information:

A grade of "C" or better is required in each physics course counted toward the minor.

Physics Minor

The minor in Physics is a program designed to give students a background in advanced physics courses.

Requirements for a Minor in Physics:

PHY 201 - General Physics I

First semester of a two semester calculus-based introduction to the fundamental principles of physics for

the physical and mathematical sciences. Topics include kinematics, Newtonian statics and dynamics, gravitation, oscillations, and mechanical waves.

Credit Hours: 4

Prerequisite or Corequisite Courses: MAT 161
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

PHY 202 - General Physics II

Second semester of a two semester calculus-based introduction to the fundamental principles of physics for the physical and mathematical sciences. Topics include electric and magnetic fields, circuits, Maxwell's equations, electromagnetic waves, and optics.

Credit Hours: 4

Prerequisite or Corequisite Courses: MAT 162
Prerequisite Courses: PHY 201
Course Repeatability: Course may not be repeated.

PHY 335 - Modern Physics I

Introduction to special relativity and wave mechanics. First of a two-course sequence in Modern Physics.

Credit Hours: 3

Prerequisite Courses: PHY 202.
University Studies: Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

9 Additional Hours in Physics

Not to include PHY 101, PHY 102, or PHY 105; at least 3 of these additional hours must be at the 300-400 level. At least 4 of these additional hours must be from one of the following Options:

Option 1: (General Physics)

PHY 225 - Electronics

Practical introduction to making consumer electronic circuits in three formats: breadboard prototypes; hard-wired through-hole component circuits; and surface

mount-circuits, laid out using photo-lithography. Study of software tools to document and test circuit designs, and to create photo-lithographic masks to use in creating printed circuit boards.

Credit Hours: 3

Additional Restrictions/Requirements: Consent of instructor.
Course Repeatability: Course may not be repeated.

PHY 260 - Introduction to Astronomy

Descriptive course in principles, theories, and techniques of astronomy. Occasional night viewings.

Credit Hours: 3

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

PHY 321 - Classical Dynamics I

Newtonian and Lagrangian formulations of mechanics applied to single particles and systems of particles, central forces, oscillations, and normal mode analysis. Rotating frames of reference.

Credit Hours: 4

Prerequisite or Corequisite Courses: PHY 311 or MAT 361.
Prerequisite Courses: PHY 202.
Course Repeatability: Course may not be repeated.

Option 2: (Physical Oceanography)

PHY 321 - Classical Dynamics I

Newtonian and Lagrangian formulations of mechanics applied to single particles and systems of particles, central forces, oscillations, and normal mode analysis. Rotating frames of reference.

Credit Hours: 4

Prerequisite or Corequisite Courses: PHY 311 or MAT 361.

Prerequisite Courses: PHY 202.
Course Repeatability: Course may not be repeated.

PHY 350 - Fluid Mechanics

Emphasizes fundamental physical principles; fluid statics, fluid kinematics, integral and differential forms of the conservation laws for mass, momentum and energy; Bernoulli equation; laminar flows; potential flows; vorticity dynamics; dyanamic similarity; boundary layers; turbulence.

Credit Hours: 3

Prerequisite Courses: PHY 321 or MAT 361
Course Repeatability: Course may not be repeated.

PHY 470 - Data Analysis

Data analysis techniques used in experimental and applied physical science. Topics include propagation of errors, probability distributions, data reduction techniques, covariance and convolution, autocorrelation, linear regression, time series analysis, and spectral analysis.

Credit Hours: 3

Prerequisite Courses: PHY 202.
Course Repeatability: Course may not be repeated.

PHY 475 - Physical Oceanography

An introduction to the descriptive and dynamical features of ocean circulation. Topics include: the physical properties of seawater; oceanic heat budget; dynamics of ocean currents; descriptive oceanography; waves and tides.

Credit Hours: 3

Prerequisite Courses: (MAT 152 or MAT 162) and (PHY 102 or PHY 202)
Crosslisting: PHY 575
Course Repeatability: Course may not be repeated.

Option 3: (Engineering Physics)

PHY 225 - Electronics

Practical introduction to making consumer electronic circuits in three formats: breadboard prototypes; hard-wired through-hole component circuits; and surface

mount-circuits, laid out using photo-lithography. Study of software tools to document and test circuit designs, and to create photo-lithographic masks to use in creating printed circuit boards.

Credit Hours: 3

Additional Restrictions/Requirements: Consent of instructor.
Course Repeatability: Course may not be repeated.

PHY 414 - Engineering Physics I

Introduction to the practical fabrication of devices. Students will learn to use CAD (Computer-Aided Design) software to design projects and will also learn how to use hand tools, standard and CNC (Computer Numerical Controlled) machine tools, and 3D printers to fabricate objects. This class is intrinsically project oriented.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

PHY 417 - Engineering Physics II

Integration of fabricated objects with hand-built electronic circuits and microprocessors in order to make sophisticated devices for practical use. This class is intrinsically project oriented.

Credit Hours: 3

Prerequisite Courses: PHY 225 and PHY 414.
Course Repeatability: Course may not be repeated.

Option 4: (Computational Physics)

PHY 215 - Introduction to Computing in the Physical Sciences

The computational methods commonly used to display and analyze data in the physical sciences by introducing students to the basics of MATLAB (tm) or a similar programming language. Topics include: control structures, handle graphics functions and matrix algebra. Laboratory setting, emphasiziing work with real environmental data and project-based.

Credit Hours: 1

Prerequisite Courses: MAT 162
Course Repeatability: Course may not be repeated.

PHY 315 - Computational Physics and Complexity

Corequisites: PHY 321 or MAT 361. Introduction to numerial modeling techniques for solving problems in physics and complex systems. Numerial techniques will be applied to classical mechanics, bifurcation and dynamical systems, chaotic systems, thermodynamics, optimization, cellular automata, and self-organization.

Credit Hours: 3

University Studies: Explorations Beyond the Classroom, Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

PHY 470 - Data Analysis

Data analysis techniques used in experimental and applied physical science. Topics include propagation of errors, probability distributions, data reduction techniques, covariance and convolution, autocorrelation, linear regression, time series analysis,

and spectral analysis.

Credit Hours: 3

Prerequisite Courses: PHY 202.
Course Repeatability: Course may not be repeated.

Total: 20 hours

Additional Information:

A grade of "C" or better is required in each physics course counted toward the minor.

Political Entrepreneurship and Leadership Minor

Coordinator: Dr. Nadine Gibson

The Political Entrepreneurship and Leadership Minor provides students with the practical knowledge of how to become an active participant and leader in politics and government. The minor prepares students for careers in campaigns, public policy, local government, community organizing, and legislative institutions. Students will develop the skills and tools necessary for success in the public sector, completing coursework on

applied work and technical knowledge. Elective offerings in the minor include courses on campaigns, elections, political institutions, public policy, and public opinion allowing students to focus on specific avenues of political engagement. The minor develops applied knowledge and real-world skills useful for career in politics, including requiring students to complete an internship in addition to coursework.

Admission Requirements

Current UNCW Undergraduate Students

- See University Admission Requirements

Requirements for a Minor in Political Entrepreneurship and Leadership

Core Courses (12 Credit Hours)

PLS 101 - American National Government

Survey of basic principles, institutions and functions such as federalism, separation of powers, civil liberties and rights, judicial review, public opinion, political parties, elections and interest groups.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.

PLS 205 - Campaign and Elections

Focuses on the electoral arena (history, financing, political environments), nominations (delegate selections and conventions), campaigns (organization, strategy, tactics, media), and the election (votes, policy, reforms). Special attention is given to recent and current presidential and congressional election campaigns.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.

PLS 217 - Ethics and Leadership in Public Life

Exploration of what it means to act responsibly and with integrity in public life in an environment of shared powers and competing values. Case studies, journals, role plays and film are used to illustrate concepts.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

PLS 498 - Internship in Political Science

Experiential learning with selected public or private agencies or with an individual which allows the student to utilize academic training while learning from a practical field experience. (Formal research project is a major part of the internship.)

Credit Hours: 3

Prerequisite Courses: PLS 101 and PLS 201 and (PLS 300 or PLS 304 or PLS 308)
Additional Restrictions/Requirements: Prerequisite courses, junior or senior standing, overall 3.00 GPA or consent of instructor.
University Studies: Explorations Beyond the

Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12 **Repeat Limit:** 1
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

Major Restriction Political Science**Minor Restriction** Pre-Law

Elective Courses (6 Credit Hours)

PLS 304 - Introduction to Public Policy Analysis

Study of the theories and methods of analyzing and explaining public policy and the substance of recent domestic policies in the areas of public finance and human and physical resources, including welfare, education, protection of the environment, housing, health, urban renewal and transportation.

Credit Hours: 3

Prerequisite Courses: PLS 101 and PLS 201
Additional Restrictions/Requirements: Prerequisite courses or consent of instructor.
University Studies: Common Requirements/Critical

Reasoning
Course Repeatability: Course may not be repeated.

PLS 350 - State Government and Politics

Survey and analysis of the organization, functions, and political processes of the American states with an emphasis on North Carolina politics.

Credit Hours: 3

Additional Restrictions/Requirements: Sophomore, junior or senior standing or consent of instructor.
Course Repeatability: Course may not be repeated.

PLS 351 - Urban Government and Politics

Structure, functions, political processes, problems, and trends in American city and metropolitan government and politics.

Credit Hours: 3

Additional Restrictions/Requirements: Sophomore, junior or senior standing or consent of instructor.
University Studies: Approaches and

Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.

PLS 353 - American Parties and Interest Groups

Historical and analytical treatment of the appearance and realignment of political parties during the five successive 'national party systems' since the beginning of the republic. Special emphasis is given to the question of contemporary party disarray and potential realignment.

Credit Hours: 3

Additional Restrictions/Requirements: Sophomore, junior or senior standing or consent of instructor.
University Studies: Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

PLS 403 - Public Opinion

Origin, content, and policy impact of public opinion in democratic nations. Emphasis on the contemporary American experience and the genesis of mass movements.

Credit Hours: 3

Additional Restrictions/Requirements: Sophomore, junior or senior standing or consent of instructor.
University Studies: Building Competencies/Writing Intensive, Building Competencies/Information Literacy, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

PLS 404 - Campaign Management and Strategies

Internal mechanics of political campaigns, major areas of campaign management and strategy, campaign organization, voter contact, campaign research, finance and fund-raising, and communications. Special attention is given to recent and current presidential, congressional, and gubernatorial election campaigns.

Credit Hours: 3

Prerequisite Courses: PLS 205
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.

University Studies: Building Competencies/Information Literacy, Explorations Beyond the Classroom/Certified Internship Program
Course Repeatability: Course may not be repeated.

Total Credit Hours: 18

Political Science Minor

Coordinator: Dr. Jennifer Horan

The Department of Public and International Affairs offers a minor in political science, which exposes students to the different subfields of political science and trains students to examine political phenomena from an empirical and analytical perspective. 24 hours: 6 core, 18 subfield electives with at least 12 hours selected from 300-level courses or above.

Admission Requirements

Current UNCW Undergraduate Students

- See University Admission Requirements

Requirements for a Minor in Political Science

24 hours in political science with at least 12 hours selected from 300-level courses or above. Courses to be distributed as follows:

Core Courses (6 Credit Hours)

PLS 101 - American National Government

Survey of basic principles, institutions and functions such as federalism, separation of powers, civil liberties and rights, judicial review, public opinion, political parties, elections and interest groups.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.

PLS 201 - Introduction to Political Science Methods

Introduction to the rationale and application of the scientific method to political analysis. Major topics include: statement of problem, survey of literature,

theory construction, data collection and analysis, and presentation of findings and conclusions.

Credit Hours: 3

University Studies: Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

Elective Courses (18 Credit Hours)

18 subfield electives with at least 12 hours selected from 300-level courses or above.

American Government and Politics Course

PLS 202 - Contemporary American Political Issues

Important political issues and their relationship to the overall American political process. Topics are selected from, but not limited to: education policy; health care policy; federal deficit and debt policy; and minorities and politics.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.

PLS 203 - Religion and Politics in the United States

An examination of the origin, nature, and consequences of religion's influence on political values, institutions, and policies in the United States.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

PLS 204 - Judicial Politics

An analysis of the organization, powers and role of the judiciary. Topics include: the political role of judges, factors influencing judicial policy-making, selection of judges, the role of lawyers, and judicial decision-making.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

PLS 205 - Campaign and Elections

Focuses on the electoral arena (history, financing, political environments), nominations (delegate selections and conventions), campaigns (organization, strategy, tactics, media), and the election (votes, policy, reforms). Special attention is given to recent and current presidential and congressional election campaigns.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.

PLS 300 - American Constitutional Law I

Analytical study of U.S. Supreme Court decisions affecting separation of powers and individual rights.

The powers of the judicial, executive, and legislative branches of national government; the relationships among these branches; and the federal system.

Credit Hours: 3

Prerequisite Courses: PLS 101
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

PLS 301 - American Constitutional Law II

Analytical study of U.S. Supreme Court decisions affecting separation of powers and individual rights. Individual rights and liberties other than procedural rights of persons involved with the criminal justice system.

Credit Hours: 3

Prerequisite Courses: PLS 101
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

PLS 302 - The Politics of the Supreme Court

Explores the role of Supreme Court in the American political system. Reviews the Court's history, membership, operations, and interactions with the other branches of government and the public. Focuses on the social scientific theories that explain the behavior of the justices and other individuals associated with the Court.

Prerequisite Courses: PLS 101
Additional Restrictions/Requirements: Or permission of instructor.
Course Repeatability: Course may not be repeated.

PLS 303 - Political Behavior

The impact of citizen beliefs and preferences on election outcomes, and the factors that influence political participation. Structured around a critical examination of the assumptions, findings, and interpretations of the major studies of political behavior.

Credit Hours: 3

Additional Restrictions/Requirements: Sophomore,

junior or senior standing or consent of instructor.
University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

PLS 305 - The Constitution and the Criminal Justice System

Study of U.S. Supreme Court decisions on rights of suspects, defendants, witnesses, and convicted criminals.

Credit Hours: 3

Prerequisite Courses: PLS 101
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

PLS 307 - The American Legislature

Functional study of legislative bodies and lawmaking. Among the topics studied will be the role of legislatures; the impact of constituencies, parties, interest groups, interpersonal relationships and other pressures on legislators; legislative structure; and the decision-

making process.

Credit Hours: 3

Prerequisite Courses: PLS 101
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

PLS 309 - The American Chief Executive

Examination of the concept of a political chief executive as a coordinate member, with legislature and courts, of a government team. Emphasis will be placed on the powers, roles, decision-making processes, and institutional development of the offices of president, governor, and mayor.

Credit Hours: 3

Prerequisite Courses: PLS 101
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

PLS 311 - Legal Research and Writing

Students will locate, apply, and analyze law in correct and precise written form. Legal formatting and Bluebook citation will be emphasized. Iterative writing assignments will encourage students to incorporate cohesive revisions leading to critical analysis in objective and persuasive writing. Students will produce a legal memorandum and a court brief while utilizing critical written analysis of the law.

Credit Hours: 3

University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

PLS 316 - Women in Politics

Introduction to political perspectives on sex role differentiation. Among the topics to be discussed will be political socialization of women in ancient and modern society; women's roles in politics and government; political consequences of women's entry into the work force; and contemporary issues in the women's movement. Emphasis will be placed throughout on comparative political analysis.

Credit Hours: 3

Prerequisite Courses: PLS 101 or PLS 111
Additional Restrictions/Requirements: Prerequisite courses or consent of instructor.
Course Repeatability: Course may not be repeated.

PLS 340 - The Black Experience in American Politics

American political institutions and processes through the eyes of Black America. This study will analyze the power structure in the black community, dissent and protest, black participation in the political system, black leaders and politicians and their politics, and the uniqueness of black politics as compared with the wider spectrum of the political system.

Credit Hours: 3

Prerequisite Courses: PLS 101 or consent of instructor.
Course Repeatability: Course may not be repeated.

PLS 341 - Latino Politics

Role of Latino communities in shaping state and national politics in the United States. Latino political empowerment strategies, political representation, the electoral impact of Latino votes, and contemporary public policy issues.

Credit Hours: 3

Additional Restrictions/Requirements: Sophomore, junior or senior standing or consent of instructor.
University Studies: Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.

PLS 350 - State Government and Politics

Survey and analysis of the organization, functions, and political processes of the American states with an emphasis on North Carolina politics.

Credit Hours: 3

Additional Restrictions/Requirements: Sophomore, junior or senior standing or consent of instructor.
Course Repeatability: Course may not be repeated.

PLS 351 - Urban Government and Politics

Structure, functions, political processes, problems, and trends in American city and metropolitan government and politics.

Credit Hours: 3

Additional Restrictions/Requirements: Sophomore, junior or senior standing or consent of instructor.
University Studies: Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.

PLS 353 - American Parties and Interest Groups

Historical and analytical treatment of the appearance and realignment of political parties during the five successive 'national party systems' since the beginning of the republic. Special emphasis is given to the question of contemporary party disarray and potential realignment.

Credit Hours: 3

Additional Restrictions/Requirements: Sophomore,

junior or senior standing or consent of instructor.
University Studies: Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

PLS 402 - U.S. Immigration Politics

Evolution of immigration policy in the U.S. Experience with various immigration time periods and source countries. Identifies the primary costs and benefits of immigration, with special attention to the policy changes making immigration more difficult over time. Conditions under which immigration increases or decreases, including the contemporary increase in the rate of illegal immigration.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

PLS 403 - Public Opinion

Origin, content, and policy impact of public opinion in democratic nations. Emphasis on the contemporary American experience and the genesis of mass movements.

Credit Hours: 3

Additional Restrictions/Requirements: Sophomore, junior or senior standing or consent of instructor.
University Studies: Building Competencies/Writing Intensive, Building Competencies/Information Literacy, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

PLS 404 - Campaign Management and Strategies

Internal mechanics of political campaigns, major areas of campaign management and strategy, campaign organization, voter contact, campaign research, finance and fund-raising, and communications. Special attention is given to recent and current presidential, congressional, and gubernatorial election campaigns.

Credit Hours: 3

Prerequisite Courses: PLS 205
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.

University Studies: Building Competencies/Information Literacy, Explorations Beyond the Classroom/Certified Internship Program
Course Repeatability: Course may not be repeated.

PLS 405 - Washington D. Seahawks: Experiential Learning in DC

Exploration of career opportunities in Washington, DC, through experiential learning. Utilization of on-campus resources, including the Career Center and the Alumni Association, to plan a trip to Washington, DC, to network with UNCW alumni, political practitioners, and other public affairs professionals. Students are required to participate in the trip to Washington, D.C.

Credit Hours: 3

Additional Restrictions/Requirements: Permission of Instructor.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.

PLS 406 - Contemporary Southern Politics

Recent developments throughout the American South and their impact on national politics. Topics include southern political culture, the decline of the one-party system, and the changing roles of blacks and organized labor. Emphasis is placed upon independent research projects involving student analysis of census, election return, and public opinion survey data.

Credit Hours: 3

Prerequisite Courses: PLS 101 and PLS 201
Additional Restrictions/Requirements: Prerequisite courses or the consent of instructor.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

PLS 407 - Political Psychology

Examination of the leading scholarship in political psychology to investigate critical issues in American politics. After introducing political psychology's history, methods and major themes, course addresses the psychological aspects of campaign politics, public opinion, intergroup relations and leadership.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

Public Policy and Public Administration Course

PLS 209 - Environmental Politics

Role of politics in environmental policy. Topics include the politics of the environmental movement, the environment as a public policy issue, and the development and impact of environmental policy.

Credit Hours: 3

University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.

PLS 217 - Ethics and Leadership in Public Life

Exploration of what it means to act responsibly and with integrity in public life in an environment of shared powers and competing values. Case studies, journals,

role plays and film are used to illustrate concepts.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

PLS 304 - Introduction to Public Policy Analysis

Study of the theories and methods of analyzing and explaining public policy and the substance of recent domestic policies in the areas of public finance and human and physical resources, including welfare, education, protection of the environment, housing, health, urban renewal and transportation.

Credit Hours: 3

Prerequisite Courses: PLS 101 and PLS 201
Additional Restrictions/Requirements: Prerequisite courses or consent of instructor.
University Studies: Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

PLS 308 - Public Administration

Introduction to public administration in the United States. Nature and scope of public administration, public interest in the administrative process, role of administrators, formal and informal organization, public personnel and financial management.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

PLS 327 - Science, Technology, and Innovation Policy

Contemporary issues in the study and critique of science, technology and innovation policy including an overview of dynamics at the interface of science, politics and policy. Topic examples include: public and private spending on research and development (R&D), responsible innovation, governing artificial intelligence, science advice, integrity in science, evidence-based decision making, ethics in intellectual property.

Credit Hours: 3

Additional Restrictions/Requirements: Junior or

Senior standing.
Course Repeatability: Course may not be repeated.

PLS 329 - Ocean and Coastal Law and Policy

National and international laws and policies concerning the ocean. Topics include: fisheries management, marine mammal protection, shipping and navigation, oil and chemical pollution, coastal and wetlands protection, submerged lands, riparian rights, and public access to coastal lands and waters.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

PLS 354 - Urban Planning and Policy

Overview of the policies, plans, and regulations that local governments used to shape the physical growth of cities, towns, and suburbs. A range of topics are covered, such as transportation planning, historic preservation, and affordable housing development.

Credit Hours: 3

Additional Restrictions/Requirements: Sophomore, junior or senior standing or consent of instructor.
Course Repeatability: Course may not be repeated.

PLS 359 - American Policy Development: Politics, Institutions and Theories

Examination of the political events and ideas needed to understand the growth of American government. Study of how the change of institutional power contributed to the growth of government within our federal system. Students produce an empirical/data analysis of an important institutional aspect of American politics.

Credit Hours: 3

University Studies: Critical Reasoning
Course Repeatability: Course may not be repeated.

PLS 360 - Introduction to Nonprofit Management

Covers management fundamentals in the nonprofit sector. Selected topics include governance, human relations, financial management, public relations and fundraising.

Credit Hours: 3

University Studies: Explorations Beyond the Classroom/Certified Internship Program
Course Repeatability: Course may not be repeated.

PLS 361 - Nonprofit Resource Development

Examines the range of ways for nonprofit organizations to raise funds from individuals, government, foundations, and corporations. Major theoretical foundations of fund development, general fundraising principles, donor market segregation, fundraising techniques, and key aspects of managing the fundraising process.

Credit Hours: 3

University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.

PLS 362 - Leading and Managing Volunteers

Addresses major issues in the leadership and management of volunteers in the nonprofit and public sectors. Focuses on the two main types of volunteers: service volunteers, and policy volunteers (board members). Topics covered include volunteer recruitment, screening, job design, supervision, recognition, and evaluation.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

PLS 370 - Global Environmental Governance

Explores international environmental negotiations and agreements of global environmental problems regarding overfishing, climate change, deforestation, biodiversity loss, trans-boundary pollutants, and water scarcity. Examines the debate surrounding sustainable development, ecological justice, and conflicts around resource scarcity.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

PLS 434 - Nonprofit Leadership Experience

An engaged learning experience where students learn about nonprofit organizations, acquire useful employment skills and apply them in projects designed by nonprofit organizations in conjunction with the instructor. Students will complete projects developed and needed by nonprofit organizations in the community; and students will meet and interact with members of the UNCW and nonprofit community.

Credit Hours: 3

University Studies: Explorations Beyond the Classroom
Crosslisting: PLS 534
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

Political Theory Course

PLS 212 - Introduction to Political Theory

Fundamental questions about the nature and purpose of politics as treated by such writers as Plato, Augustine, Locke, Hobbes, and Marx.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

PLS 310 - Legal Philosophy and Jurisprudence

Introduction to the nature, concept and sources of law and the various schools of jurisprudence. Topics treated include natural law; historical, analytical and sociological jurisprudence; idealism; utilitarianism; legal realism; equity, justice, precedent, custom and law; and the relation of law and morality.

Credit Hours: 3

Additional Restrictions/Requirements: Junior or senior standing or consent of the instructor.
Crosslisting: PAR 310
Course Repeatability: Course may not be repeated.

PLS 312 - Political Analysis

Special topics course focusing on learning political analysis skills relevant to a variety of career paths and practical applications in the fields of political science

and public policy. Course topics may include qualitative analysis, quantitative analysis, statistical programming, experimental design, geospatial analysis (GIS), or game theory.

Credit Hours: 3

Prerequisite Courses: PLS 101 and PLS 201
Additional Restrictions/Requirements: Prerequisite courses or consent of instructor.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6 **Repeat Limit:** 1

PLS 313 - Early Political Thought

Introduction to the origin and development of political theory from the 5th Century B.C. through the medieval era. Emphasis will be placed on the political ideas of Plato, Aristotle, the Epicureans, the Stoics, Cicero, Augustine, medieval philosophers, and Aquinas in order to discover the recurring themes of political inquiry.

Credit Hours: 3

Prerequisite Courses: PLS 212
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

PLS 314 - Modern Political Thought

Critical examination of political ideas from 1500 to 1900 with special attention to those of Machiavelli, Hobbes, Locke, Rousseau, Montesquieu, Hume, Burke, Hegel, Bentham, Marx, the Mills, Spencer, T.H. Green and Nietzsche.

Credit Hours: 3

Prerequisite Courses: PLS 212
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

PLS 315 - Contemporary Political Ideologies

Ideology and its significance in the modern world. Systematic analysis of the major political ideologies of the 19th and 20th centuries with emphasis on democracy, communism, fascism, nationalism,

anarchism, and the New Left.

Credit Hours: 3

Prerequisite Courses: PLS 212
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

PLS 317 - Political Thought of Asia

Recommended: PLS 212. Critical assessment of philosophical responses to the political, economic, and social challenges faced by the Asian Region. Considers Asian political thought comparatively, addressing recurring issues of politics and community life.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

PLS 415 - American Political Thought

American political thought from the colonial period to the present.

Credit Hours: 3

Prerequisite Courses: PLS 212
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

International Relations Course

PLS 218 - Ethics in International Affairs

Role of morality in international affairs to explore how states and citizens act responsibly in international public life. Drawing on the traditions of realism, liberalism, and utilitarianism along with the just war tradition, the course examines the ethical implications of issues such as war, terrorism, globalization, and genocide.

Credit Hours: 3

University Studies: Approaches and

Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

PLS 220 - Introduction to International Relations

Basic analysis of politics among nations. Role of law, force, and diplomacy in world politics; problems of war, peace, and disarmament.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

PLS 221 - Model United Nations I - Introduction to United Nations Issues and Organization

Introduction to United Nations issues and organization. Course focus on active learning through simulation of international diplomacy, speech making, negotiation, and foreign policy development. Course requires travel to a Model United Nations conference, with additional costs for students.

Credit Hours: 3

University Studies: Explorations Beyond the Classroom/Certified Internship Program
Course Repeatability: Course may not be repeated.

PLS 222 - Contemporary International Political Issues

Important international political issues and their impact on the political processes among the nations of the world. Topics are selected from, but not limited to: the role of the United Nations; environmental policy; separatism and nationalism; religious conflict and international order; terrorism; and economic development.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

PLS 420 - Politics of Nuclear Weapons

Introduction to nuclear weapons policy and strategy with an emphasis on nonproliferation, nuclear security, and nuclear deterrence. Consideration of nuclear

weapons technology, why countries seek nuclear weapons, risks to international security, and policy tools deployed to prevent proliferation or use.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

PLS 421 - Causes and Dynamics of Ethnic and Nationalist Conflict

This course introduces students to some of the most intractable and violent conflicts around the world in order to understand various theoretical approaches that explain the onset and dynamics of ethno-nationalist conflicts.

Credit Hours: 3

University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

PLS 422 - Contemporary American Foreign Policy

Roles and interrelationships of Congress, the media, public opinion, the president, the secretaries and departments of state and defense, and the intelligence community are examined. Emphasis is placed on the content and the dynamic aspects of the process of policy formulation and implementation.

Credit Hours: 3

Prerequisite Courses: PLS 220
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

PLS 423 - National Security Policy

Formulation of security policy, including the roles of the executive and legislative branches and of non-governmental factors; evolution of changing assumptions, strategies, and goals; the nature of U.S. security requirements, U.S. military commitments abroad, and the cost of strategies based on weapons superiority, arms control, and disarmament.

Credit Hours: 3

Prerequisite Courses: PLS 220
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

PLS 424 - International Security

Investigates war and conflict at the international level and the different ways in which governments individually or collectively work to address the problem.

Credit Hours: 3

Prerequisite Courses: PLS 220
University Studies: Building Competencies/Writing Intensive, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

PLS 425 - International Politics

Students are provided with an overview of the current International system and introduced to the theories actors, their interactions, and the norms of the international system. The impact of the law and norms of international relations or international conflict are

analyzed and debated.

Credit Hours: 3

Prerequisite Courses: PLS 220
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
University Studies: Building Competencies/Writing Intensive, Common Requirements/Critical Reasoning
Crosslisting: CMR 525
Course Repeatability: Course may not be repeated.

PLS 426 - International Law

Nature, development and basic concepts of international law. Examination of the scope, sources and sanctions of international law; its relation to municipal law; the rights and duties of states and individuals; methods of settling international disputes. Characteristic cases used as illustrations.

Credit Hours: 3

Prerequisite Courses: PLS 220
Additional Restrictions/Requirements: Prerequisite

course or consent of instructor.
Course Repeatability: Course may not be repeated.

PLS 427 - International Organizations

Survey of the evolution, objectives and methods of various types of regional and universal organizations and their role in contemporary international relations. Special emphasis will be placed on the principal functions and agencies of the United Nations and the European economic community.

Credit Hours: 3

Prerequisite Courses: PLS 220
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

PLS 428 - Global Terrorism

Investigates the phenomenon of terrorism at the international and global level with particular empasis on why terrorism occurs, and on domestic level and international cooperative counterterrorism.

Credit Hours: 3

Prerequisite Courses: PLS 220
Course Repeatability: Course may not be repeated.

PLS 429 - International Political Economy

Political-economic structures at the international level (trade, finance, and currency) and the impact of the government, business, and human networks that emerge as a result of political-economic interactions between countries.

Credit Hours: 3

Prerequisite Courses: PLS 220
Course Repeatability: Course may not be repeated.

PLS 463 - International Development

Examines the field of international development including economic development and governance assistance activities with attention to classic theories as well as current debates and innovative approaches.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

Comparative Government and Politics Course

PLS 230 - Introduction to Comparative Government and Politics

Comparative analysis of political systems in developed, second- and third-world nations, including an examination of the foundations and structures of selected national governments, such as parliamentary and presidential systems, democratic and non-democratic systems.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

PLS 330 - Political Systems of Africa

Governments and politics of selected sub-Saharan African states. A survey from colonial days to the

present with emphasis on contemporary economic, social and political problems.

Credit Hours: 3

Prerequisite Courses: PLS 230
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

PLS 331 - Politics in Developing Nations

Political, economic, and social problems confronting developing nations. Attention will be given to such issues as cultural pluralism, one-party states, military dictatorships, and U.S. relations with the developing world.

Credit Hours: 3

Prerequisite Courses: PLS 230
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

PLS 332 - Politics of Central America

Introduction to core political issues facing the Central American, political history as well as contemporary processes. Students will critically evaluate development and the problems associated with moving from underdeveloped to ""developed"" status.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

PLS 333 - Politics of South America

Politics of South America and the impact of socio-economic forces on the region and its political structures.

Credit Hours: 3

Prerequisite Courses: PLS 230
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

PLS 334 - Revolutionary Movements

Introduction to the social, political, and economic conditions which give rise to radical response. Examines small rebel bands, or militias (commonly referred to as 'guerrilla' movements), and 'terrorist' organizations, as well as large-scale revolutionary movements.

Credit Hours: 3

Prerequisite Courses: PLS 230
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
University Studies: Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

PLS 335 - European Political Systems

Political institutions and processes of selected European countries, including Great Britain, France and Germany.

Credit Hours: 3

Prerequisite Courses: PLS 230

Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

PLS 336 - Russian and Post-Soviet Political Systems

Comparative study of the political institutions and processes of Russia and the eastern European Countries. Post-Soviet dynamics and the nature and significance of contemporary changes.

Credit Hours: 3

Prerequisite Courses: PLS 230
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

PLS 337 - Chinese Politics

Political system of China with special emphasis on the challenges of development, democracy, and nation-building in the post-1949 period.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

PLS 338 - Political Systems of the Middle East

Governments and politics of the Middle East with emphasis on the changes that have occurred since 1945. A detailed examination of the forces that have shaped contemporary Middle Eastern politics: Islam, nationalism, modernization, and current political trends. The political institutions and processes and the domestic and foreign policies of selected countries will be studied.

Credit Hours: 3

Prerequisite Courses: PLS 230
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

PLS 339 - Asian Politics

Recommended: PLS 230. Political systems of selected Asian countries. Special emphasis on the challenges of development, democracy, and nation-building in the

post-World War II period.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

PLS 343 - Democratic Transition in the United States

Examination of the process of democratic transition and consolidation in the United States from 1898 to the present. Focus on the comparative analysis of scholarly literature concerning democratic transition and consolidation.

Credit Hours: 3

Prerequisite Courses: PLS 230, or permission of instructor,
University Studies: Approaches and Perspectives/Living in a Diverse Nation
Course Repeatability: Course may not be repeated.

PLS 421 - Causes and Dynamics of Ethnic and Nationalist Conflict

This course introduces students to some of the most intractable and violent conflicts around the world in order to understand various theoretical approaches that explain the onset and dynamics of ethno-nationalist conflicts.

Credit Hours: 3

University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

PLS 430 - Caribbean Politics

Examines the importance of size, the influence of global forces, and the difficulties of unification and coordination in the Caribbean political context.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

PLS 464 - Democracy and Authoritarianism

Integrative course focusing on scholarly literature on democracy, authoritarianism, and democratization, with an emphasis on real world examples of regime types and transitions.

Credit Hours: 3

Prerequisite Courses: PLS 230
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

Total Credit Hours: 24

Additional Information

Students must earn a course grade of C- or above. A minimum GPA of "C" (2.00) is required among all courses counted for a minor in political science.

If a course appears in more than one category (e.g., PLS 421), students can only use the course to fulfill one of the categories, not both.

Popular Music Minor

An interdisciplinary program open to non-majors and students majoring in music or music education, the popular music minor provides students with foundational skills in applied music (voice, piano, guitar, ukulele, electric bass, and drum set); songwriting and composition techniques using digital technology and popular music instruments; courses in musicianship, history and literature; and performance opportunities in a variety of ensemble settings. For additional information, students should contact the coordinator of Dr. Jonathan Kladder, coordinator of the popular music program.

Students must complete 6 credits in the Popular Music minor at or above the 300-level.

Admission Requirements

Current UNCW Undergraduate Students

- See University Admission Requirements

Requirements for a Minor in Popular Music

Students must complete 6 credits in the Popular Music minor at or above the 300-level.

Voice Performance Course (1 Credit Hour)

MUS 146 - Class Voice I

Intended for beginning singers and non-majors. Singing techniques learned through vocal exercises and study of song literature.

Credit Hours: 1

Course Repeatability: Course may be repeated.
Repeat Limit: 2

> Students who successfully audition into MUS 195 or MUS 196 may substitute 1 credit of MUS 195 or MUS 196 applied lessons for Class Voice I (MUS 146).

Guitar Performance Course (1 Credit Hour)

MUS 143 - Class Guitar I

Intended for beginning guitarists and non-majors. Covers topics such as reading music on the first five frets of the guitar, basic chord fingerings, technique for beginners, and simple accompaniment methods.

Credit Hours: 1

Course Repeatability: Course may not be repeated. Students who successfully audition into MUS 195 or MUS 196 may substitute 1 credit of MUS 195 or MUS 196 applied lessons for Guitar Class I (MUS 143).

Piano Performance Course (1-2 Credit Hours)

Students must choose 1 course from the following:

MUS 136 - Jazz Theory and Keyboard

Theoretical concepts, aural skill, and basic keyboard skills associated with jazz styles.

Credit Hours: 2

Prerequisite Courses: MUS 111 and MUSL 111
Course Repeatability: Course may not be repeated.

MUS 140 - Basic Piano for Non-Majors

Note reading, rhythm, technique, other elements of elementary piano playing. Basic repertoire. No previous music study required. Two hours per week. May be

repeated for credit.

Credit Hours: 1

Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 4

MUS 141 - Class Piano I

Basic piano skills development, including sight-reading, repertoire, major scales and arpeggios, accompanying, and harmonization. Preparation for the piano proficiency exam required of music majors.

Credit Hours: 1

Additional Restrictions/Requirements: Placement test or consent of department chair.
Course Repeatability: Course may not be repeated.

Students who successfully audition into MUS 195 or MUS 196 may substitute 1 credit of MUS 195 or MUS 196 applied lessons for any of the following: MUS 136, MUS 140, MUS 141.

Ensemble Performance Courses (3 Credit Hours)

Students must choose 1 credit in the first category and 2 credits in the second category:

Students must choose 1 credit in the first category and 2 credits in the second category:

MUS 183 - Chamber Singers

Select group chosen by audition. The singers study and perform a variety of repertoire written for a smaller choir or chamber group. Three rehearsal hours per week. May be repeated for credit.

Credit Hours: 1

Additional Restrictions/Requirements: Audition and consent of director.
University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12 **Repeat Limit:** 11

MUS 184 - Jazz Ensemble

The development of idiomatic performance techniques of jazz music in a variety of styles and mediums

through the study of its musicians, as well as performance practices throughout its history. (Intended for students who have had instrumental experience.) May be repeated for credit.

Credit Hours: 1

Additional Restrictions/Requirements: Audition and consent of instructor.
University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives, Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

MUS 185 - Symphonic Band

The Symphonic Band is an outstanding ensemble consisting of highly talented woodwind, brass and percussion players, including both music majors and non-music majors. Enrollment is open to all UNCW students with previous instrumental experience and the necessary skills to perform on a wind or percussion instrument. Three rehearsal hours per week and

typically two concerts each semester. May be repeated for credit.

Credit Hours: 1

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

MUS 186 - University Chorale

Singers study and perform repertoire of various historical periods and styles appropriate for large chorus. May be repeated for credit.

Credit Hours: 1

Additional Restrictions/Requirements: Auditions and consent of director.
University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives

Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12 **Repeat Limit:** 11

MUS 188 - Pep Band

Study and performance of contemporary music written for athletic bands. The Pep Band provides music at men's and women's basketball home games and other university events. Rehearsal and performances as dictated by the schedule of events. May be repeated for credit.

Credit Hours: 1

Additional Restrictions/Requirements: The ability to read music and perform at a basic level on a standard pep band instrument and consent of director.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

MUS 189 - Jazz Combo

By audition only. Small group rehearsal and performance of jazz standards, original jazz compositions and arrangements.

Credit Hours: 1

Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

Students choose 2 credits from the following (at 1 credit per semester):

MUS 130 - Chamber Music Workshop

Small instrumental and vocal ensembles. Type of group depends on the availability of personnel. Meets one to two hours weekly with instructor for coaching plus individual practice and weekly rehearsal with partner(s). Previous training required. May be repeated for credit.

Credit Hours: 1

Additional Restrictions/Requirements: Consent of instructor and department chair.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

Either Digital Controller or Pop Rock Ensembles.

Popular Music Instruments Performance Course (1 Credit Hours)

Students will learn ukulele, electric bass guitar, and drum set.

MUS 246 - Instrumental Techniques III

Basic playing technique on ukulele, electric bass, and drum set. Students learn beginner and intermediate skills in the popular music idiom, including tablature, lead sheets, and ear-based approaches for learning and performing music.

Credit Hours: 1

Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 4 **Repeat Limit:** 3

Music History Course (3 Credit Hours)

Students choose from one of the following:

FNA 103 - Pop Divas and the Art of Performance

Interdisciplinary exploration of star singers in American popular culture, from Jenny Lind to Taylor Swift, Beyoncé, and beyond. Focus on the evolution of theatrical components in stage performances, musical

and lyrical analysis, fan and media reception, and the metaphorical "performance" of the celebrity self. Selected topics may vary by semester.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives, Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.

MUS 116 - History of Jazz

A survey of the evolution of this American art form from its African roots and European influences to the present. Technical knowledge of music not required.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives, Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.

MUS 117 - American Music

A survey of American composers, musicians, and music making from the earliest days of European settlement to the present. Includes a variety of styles: folk, religious, concert, rock, and more. Technical knowledge of music helpful, but not required.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives, Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.

MUS 118 - History of Rock

A study of the musicians styles and movements that were central to the development of rock music from the early 1950s to the present. No previous musical knowledge is required.

Credit Hours: 3

University Studies: Approaches and

Perspectives/Aesthetic, Interpretive, and Literary Perspectives
Course Repeatability: Course may not be repeated.

MUS 120 - Latin American Music

Introduction to the History of Latin American Music and examination of the history of Latin American music. The course aims to broaden the student's appreciation and understanding of Latin American music and society. Throughout the semester we will discuss some of the region's most significant composers, genres, and styles.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

MUS 220 - African American Music

A survey of the eveolution of African American music from its African roots to current trends in jazz, gospel, R & B, and hip-hop. Technical knowledge of music not required.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthestic, Interpretive and Literary Perspectives, Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

MUS 345 - Latin American Popular Music

Survey of popular music genres in Latin America, focusing on musical characteristics and components, instruments and performance techniques, and historical developments in their evolving musical forms. Music will be presented with contextual information on the social, religious, and economic history of each region.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

MUS 365 - Advanced Jazz History

Examination of jazz history, from the early twentieth century to today, with emphasis on the music's origins, development, and main contributors. Analysis of harmony, form, and style features while improving listening skills. By the end, students engage in a more profound intellectual discussion about jazz.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

Music Technology Course (1 Credit Hour)

All students must take and succesfully pass MUS 110 with a minimum of a C-.

MUS 110 - Introduction to Music Technology

Overview of music technology for the music major. Introduction to Digital Audio Workstation environments, basic MIDI sequencing, and traditional notation software.

Credit Hours: 1

Course Repeatability: Course may not be repeated.

Music Theory & Aural Skills Courses (3 Credit Hours)

Students must complete and successfully pass MUS 111 and MUSL 111 with a minimum passing grade of a C-. All students will be required to take a music literacy pretest which will determine what theory course is appropriate. Students who are not able to pass the theory pretest should plan to take MUS 105 prior to MUS 111 and MUSL 111.

MUS 111 - Theory I

An in-depth study of the basic material of music, including notation of pitch and rhythm, intervals, scales and modes, key signatures, and triads. The lab for this course is MUSL 111.

Credit Hours: 2

Corequisite Courses: ["MUSL 111"]
Additional Restrictions/Requirements: Corerequisite course; Theory Placement test required.
University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary

Perspectives
Course Repeatability: Course may not be repeated.

MUSL 111 - Aural Skills and Sight-Singing I

Includes melodic, harmonic and rhythmic dictation and sight-singing using the materials introduced in MUS 111. This course is the lab for MUS 111.

Credit Hours: 1

Corequisite Courses: ["MUS 111"]
Course Repeatability: Course may not be repeated.

Popular Music Elective Courses (6 Credit Hours)

Students choose from the course listing below and must complete 6 credits of electives.
* Music Technology students should plan to take MUS 305 and MUS 307 for their popular music minor electives and a 300-level history/literature course.
* Students who fulfill their history/literature requirement with a 100-level course must choose all 300-level courses for popular music electives.

MUS 210 - Digital Music Production

Applications of music technology software for digital music production in Digital Audio Workstation environments, including non-traditional notation systems, intermediate-level work with MIDI sequencing, DAW signal flow, stereo mixing techniques, software-based virtual instruments, and intermediate sampling techniques.

Credit Hours: 2

Prerequisite Courses: MUS 110.
Course Repeatability: Course may not be repeated.

MUS 214 - Recording Technology I

Introduction to the fundamentals of audio engineering. Technical basics in the "language of audio." Emphasis is on Pro Tools recording software, audio interfaces, project workflow, the principles behind the five main stages of a recording project, and mastering music. Theoretical and practical application of microphones, mic pre-amps, equalizers, compressors, noise gates, effects, room acoustics, gain structure, and signal path.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

MUS 305 - Beat Making

Comprehensive overview of Hip Hop beat making. Fosters each student development as a beat maker, in in EDM, house, dance/club, top 40, drum and bass, boom bap or any other subgenre of interest. No prerequisite. 2 credits hours.

Credit Hours: 2

Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6

MUS 307 - Songwriting

Study of basic songwriting styles and techniques, including methods for developing the skills and knowledge to construct well-crafted lyrics, melodies, and chords. Students develop their musical identity and critical listening skills through analysis, discussion, synthesis, and songwriting activities.

Credit Hours: 2

Prerequisite or Corequisite Courses: MUS 110.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 4 **Repeat Limit:** 1

MUS 310 - Film Scoring and Video Game Music

Intermediate study of digital sound synthesis, sampling, and MIDI sequencing, with an emphasis on scoring for film and video games.

Credit Hours: 3

Prerequisite Courses: MUS 214.
Course Repeatability: Course may not be repeated.

MUS 381 - Music Entrepreneurship

A survey of the history and practices of the music industry, with an emphasis on evolving practices, emerging opportunities, and innovation in career planning, as well as methods and practices of artist representation and self-promotion.

Credit Hours: 3

Additional Restrictions/Requirements: Consent of instructor.
Course Repeatability: Course may not be repeated.

MUS 382 - Music Industry

A survey of the structures, economics, and operations of the recording industry; music publishing and distribution systems; intellectual property; and issues related to live music performance, with an emphasis on copyright law, contracts, and licensing, as well as marketing and promotional strategies of major and independent record labels, music publishers, and various media.

Credit Hours: 3

Prerequisite Courses: MUS 381
Course Repeatability: Course may not be repeated.

Total: 20-21 Credits

Portuguese/Brazilian Studies Minor

Admission Requirements

Current UNCW Undergraduate Students

- See University Admission Requirements

Requirements for a Minor in Portuguese/Brazilian Studies

18 hours at the 200 level and above, including approved courses taught abroad and up to three approved courses taught in English.

Of these, at least 9 hours must be at the 300 level or higher.

Total Credit Hours: 18

Additional Information

A grade of "C-" or better is required in each course counted toward the minor. A minimum "C" (2.0) average is required for all courses counted toward the minor.

Pre-Law Minor

The College of Humanities, Social Sciences, and the Arts offers a pre-law minor designed to prepare students with the foundational knowledge, critical

thinking abilities, and other essential skills to succeed in the field of the law.

Admission Requirements

Current UNCW Undergraduate Students

- See University Admission Requirements

Requirements for a Pre-Law Minor

The minor requires 24 hours of course work, including 15 hours of core courses, 3 hours of applied or skills-based courses, and 6 hours of other related courses in the legal field.

Core Courses (15 Credit Hours)

PLS 101 - American National Government

Survey of basic principles, institutions and functions such as federalism, separation of powers, civil liberties and rights, judicial review, public opinion, political parties, elections and interest groups.

Credit Hours: 3

University Studies: Approaches and

Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.

PLS 300 - American Constitutional Law I

Analytical study of U.S. Supreme Court decisions affecting separation of powers and individual rights. The powers of the judicial, executive, and legislative branches of national government; the relationships among these branches; and the federal system.

Credit Hours: 3

Prerequisite Courses: PLS 101
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

PLS 301 - American Constitutional Law II

Analytical study of U.S. Supreme Court decisions affecting separation of powers and individual rights. Individual rights and liberties other than procedural rights of persons involved with the criminal justice system.

Credit Hours: 3

Prerequisite Courses: PLS 101
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

PLS 305 - The Constitution and the Criminal Justice System

Study of U.S. Supreme Court decisions on rights of suspects, defendants, witnesses, and convicted criminals.

Credit Hours: 3

Prerequisite Courses: PLS 101
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

PLS 310 - Legal Philosophy and Jurisprudence

Introduction to the nature, concept and sources of law and the various schools of jurisprudence. Topics

treated include natural law; historical, analytical and sociological jurisprudence; idealism; utilitarianism; legal realism; equity, justice, precedent, custom and law; and the relation of law and morality.

Credit Hours: 3

Additional Restrictions/Requirements: Junior or senior standing or consent of the instructor.
Crosslisting: PAR 310
Course Repeatability: Course may not be repeated.

Skills Course (3 Credit Hours)

ACG 201 - Financial Accounting

An introduction to the basic framework of accounting for students majoring in accountancy or other disciplines. Includes preparation of financial records and external financial reports. Emphasis on the underlying accounting concepts and constraints. The lab for this course is ACGL 201.

Credit Hours: 3

Corequisite Courses: ACGL 201

Prerequisite Courses: MAT 111 or MAT 150 or MAT 160
Course Repeatability: Course may not be repeated.

COM 101 - Public Speaking

Preparation and delivery of public presentations, with emphasis on creativity, reasoning, evidence, organization, and delivery. Course content will also be applied to analysis of speeches by self and others.

Credit Hours: 3

University Studies: Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

COM 223 - Mediation and Conflict Management

Introduction to the principles of conflict management and alternative dispute resolution with an emphasis on mediation and conflict theory. Other topics include negotiation, arbitration and litigation.

Credit Hours: 3

Prerequisite or Corequisite Courses: COM 105.
Course Repeatability: Course may not be repeated.

COM 257 - Arguing Well: Exploring Argumentation and Debate

Explores principles, practices and ethical dimensions of argumentation and their application to debates and decision-making. Students will engage in research and critical thinking in order to construct cases and participate in debates about issues of interest.

Credit Hours: 3

University Studies: Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

COM 425 - Negotiation

Theoretical and practical perspectives of negotiation. Emphasis on negotiating techniques for use in business and interpersonal relationships. Explores differences between integrative and distributive bargaining.

Credit Hours: 3

Prerequisite Courses: COM 223
Additional Restrictions/Requirements: Prerequisite course and consent of instructor.
Course Repeatability: Course may not be repeated.

ENG 204 - Introduction to Professional Writing

An introductory survey of concepts in professional writing, including audience analysis, research methods, visual thinking, and composing processes. Includes a service-learning component.

Credit Hours: 3

University Studies: Building Competencies/Writing Intensive, Building Competencies/Information Literacy, Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.

PAR 110 - Introduction to Logic

Introduction to the principles of logic including the rules of deduction, the categorical syllogism, induction, and fallacies. Initiation in computer logic programs.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

PLS 311 - Legal Research and Writing

Students will locate, apply, and analyze law in correct and precise written form. Legal formatting and Bluebook citation will be emphasized. Iterative writing assignments will encourage students to incorporate cohesive revisions leading to critical analysis in objective and persuasive writing. Students will produce a legal memorandum and a court brief while utilizing critical written analysis of the law.

Credit Hours: 3

University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

PLS 498 - Internship in Political Science

Experiential learning with selected public or private agencies or with an individual which allows the student

to utilize academic training while learning from a practical field experience. (Formal research project is a major part of the internship.)

Credit Hours: 3

Prerequisite Courses: PLS 101 and PLS 201 and (PLS 300 or PLS 304 or PLS 308)
Additional Restrictions/Requirements: Prerequisite courses, junior or senior standing, overall 3.00 GPA or consent of instructor.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12 **Repeat Limit:** 1
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

Major Restriction Political Science**Minor Restriction** Pre-Law

Related Courses (6 Credit Hours)

BLA 261 - Law and Society

This course introduces students to legal concepts and provides an understanding of the role the law plays in an individual's personal and professional life. Students will also be exposed to legal, social, and ethical issues which impact societal norms..

Credit Hours: 3

Course Repeatability: Course may not be repeated.

BLA 361 - Legal Environment of Business

Study of the organization and role of business enterprises in society and their relationships in government. Examines how the legal environment is influenced by changing social and ethical values. Topics include agency, antitrust, forms of business organization, environmental regulation, equal opportunity, labor law, product liability, and property rights.

Credit Hours: 3

Additional Restrictions/Requirements: Junior or senior standing, or admission to the Cameron School of

Business, or students in the Accountancy and Business Law minor, or consent of department chair.
Course Repeatability: Course may not be repeated.

BLA 363 - Cyber Law

A study of how the legal system impacts e-commerce. Examines how Trademark Law, Copyright Law and Patent Law impact e-commerce activities. Other topics include on-line contracting issues, taxation of e-commerce transactions on a statewide, national, and international basis, privacy concerns, obscenity, defamation, information security, computer criminal activities, as well as global e-commerce issues.

Credit Hours: 3

Prerequisite Courses: BLA 361
Additional Restrictions/Requirements: Prerequisite course and admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.

BLA 371 - International Business Law

An examination of the legal, political, social and cultural aspects of doing business abroad. The course will

cover major legal systems of the world, the political and governmental structures of various nations, international organizations, the law of international business transactions, and the settlement of transnational legal disputes. The course also will highlight cultural challenges and opportunities that an American may encounter in international business.

Credit Hours: 3

Additional Restrictions/Requirements: Junior or senior standing or consent of Department Chair.
Course Repeatability: Course may not be repeated.

BLA 461 - Commercial Law

Study of the commercial legal environment in which business enterprises operate. Examines the law of contracts, sales and warranties, security interests, commercial paper, and debtor and creditor rights.

Credit Hours: 3

Additional Restrictions/Requirements: Junior or senior standing, or admission to the Cameron School of

Business, or students in the Accountancy and Business Law minor, or consent of department chair.
Course Repeatability: Course may not be repeated.

COM 361 - Media Law and Ethics

Survey of laws and ethical principles that inform and regulate mediated communication including: freedom of speech and expression, defamation, invasion of privacy, intellectual property, the rights and responsibilities of journalists/reporters, and the regulation of journalism, advertising, public relations and multimedia industries.

Credit Hours: 3

Prerequisite Courses: COM 265 or COM 268, or permission of instructor.
Additional Restrictions/Requirements: COM Major or consent of instructor.
University Studies: Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.
Major Restriction COM Majors**Minor Restriction** Journalism Minors

CRM 105 - Introduction to Criminal Justice

Study of criminal law and the criminal justice system in the U.S. Emphasis on structure and function of police, courts and corrections.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.

CRM 110 - Crime and Justice Issues

Critical issues and contemporary debates in crime and justice.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.

CRM 250 - Crime in the Cape Fear

Topics relating to crime and punishment in the American legal system as viewed through the lens of the Cape Fear region. Explore a number of solutions to crime in the Cape Fear Region, many of which are unique to the area. Also serves as an introduction to the community and its fabric in the Cape Fear Region.

Credit Hours: 3

University Studies: Explorations Beyond the Classroom
Crosslisting: PLS 250
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 3

CRM 255 - Criminology

May not be taken for credit if student has already completed SOC 256 or CRM 256. The scientific study of the nature, extent, correlates and etiology of crime, with an emphasis on sociological theories of crime. Topics include crimes against persons and property, public order crimes, and both informal and formal reactions to crime.

Credit Hours: 3

Prerequisite Courses: CRM 105or SOC 105
University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Crosslisting: SOC 255
Course Repeatability: Course may not be repeated.

CRM 307 - Police in Society

Analysis of role and behavior of police in the U.S. Special attention to social environment and political climate affecting the police.

Credit Hours: 3

Prerequisite Courses: CRM 105
Course Repeatability: Course may not be repeated.

CRM 310 - White Collar Crime

Study of crimes of the powerful and the privileged. Topics include: corporate crime; environmental crime; antitrust violations; political bribery; corruption; tax evasion; fraud; embezzlement; conflict of interest.

Credit Hours: 3

Prerequisite Courses: CRM 105
Course Repeatability: Course may not be repeated.

CRM 315 - Victimology

Role of victims in crime and criminal justice system. Special focus on sexual battery, battered women and child abuse.

Credit Hours: 3

Prerequisite Courses: CRM 105
Course Repeatability: Course may not be repeated.

CRM 320 - Criminal Courts

Analysis of structure and function of U.S. criminal courts. Examines relationships among the courthouse work-group (police, prosecutor, defense attorney, judge) and the role of witnesses, victims, defendants and jurors.

Credit Hours: 3

Prerequisite Courses: CRM 105
Course Repeatability: Course may not be repeated.

CRM 330 - Corrections

Study of societal patterns of punishment, alternatives to incarceration, consequences of imprisonment and correctional strategies of rehabilitation and deterrence.

Credit Hours: 3

Prerequisite Courses: CRM 105
Course Repeatability: Course may not be repeated.

CRM 370 - Racialization and the Criminal Justice System

Study of the relationships between racialization and criminalization. Exploration of the social, political and legal conceptions of "crime" and "justice" using critical perspectives and theories of crime.

Credit Hours: 3

Prerequisite Courses: CRM 105.

Additional Restrictions/Requirements: Prerequisite course plus 3 additional hours in CRM.
Course Repeatability: Course may not be repeated.

CRM 375 - Drugs and Crime

Examination of the impact of drug use upon families, communities and the criminal justice system. Special attention given to how drug laws have criminalized vast numbers of people within our society.

Credit Hours: 3

Prerequisite Courses: CRM 105
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

CRM 380 - Criminal Law

Basic concepts of statutory and common law. Topics include: definition of crime; elements of major crimes; criminal responsibility; defenses to criminal charges; inchoate and group criminality; and limitations of the criminal law. Special focus on North Carolina law.

Credit Hours: 3

Prerequisite Courses: CRM 105
Additional Restrictions/Requirements: Prerequisite course plus 3 additional hours in CRM.
Course Repeatability: Course may not be repeated.

CRM 381 - Criminal Procedure

Basic concepts of procedural law. Topics include the nationalization of the Bill of Rights, searchers, seizures, probable cause, warrants, arrest, self-incrimination, right to counsel, and double jeopardy.

Credit Hours: 3

Prerequisite Courses: CRM 105
Additional Restrictions/Requirements: Prerequisite course and 3 additional hours in CRM.
Course Repeatability: Course may not be repeated.

CRM 410 - World Criminal Justice Systems

Comparative study of criminal justice systems throughout the world. Attention to historical, structural, political, legal and philosophical similarities and

differences.

Credit Hours: 3

Prerequisite Courses: CRM 105
Additional Restrictions/Requirements: Prerequisite course plus 6 additional hours in CRM.
Course Repeatability: Course may not be repeated.

CRM 420 - Collective Violence

Analysis of group violence and its control. Topics include the theory and strategy of mass violence, terrorism, genocide, riots and revolutions, and historical and contemporary forms of warfare and the examination of case studies to identify the influence of society, culture, and politics on such events, as well as the impact these events have on society.

Credit Hours: 3

Prerequisite Courses: SOC 105 or CRM 105
Additional Restrictions/Requirements: Nine hours in CRM.
Course Repeatability: Course may not be repeated.

FST 304 - Legal Issues in Film and Entertainment Law

Study of the legal issues impacting the film and entertainment industry, including the legal aspects of business organization, contracts, torts, agency, employment law, environmental regulation, and intellectual property rights.

Credit Hours: 3

Additional Restrictions/Requirements: Junior or senior standing.
Crosslisting: BLA 304
Course Repeatability: Course may not be repeated.

MGT 456 - Employee and Labor Relations

Study of the current legislation affecting employee and labor relations, union organizing, collective bargaining, contract administration, union-management relations, and best practices in employee relations in both unionized and non-unionized environments.

Credit Hours: 3

Additional Restrictions/Requirements: Admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.

PAR 220 - Race and Social Justice

Introduction to philosophical issues in race and social justice. Topics include race and identity, discrimination, multiculturalism, affirmative action, anti-racism.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in Our Diverse Nation, Approaches and Perspectives/Historical and Philosophical Approaches
Course Repeatability: Course may not be repeated.

PED 379 - Sport, Physical Activity and the Law

An introduction to the legal aspects of amateur sport and physical activity, emphasizing the legal knowledge practitioners need to function effectively. Considers terminology, procedure, operations of the law, and case studies.

Credit Hours: 3

Additional Restrictions/Requirements: Junior or senior standing.
Crosslisting: ["EXS 311"]
Course Repeatability: Course may not be repeated.

PLS 204 - Judicial Politics

An analysis of the organization, powers and role of the judiciary. Topics include: the political role of judges, factors influencing judicial policy-making, selection of judges, the role of lawyers, and judicial decision-making.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

PLS 250 - Crime in the Cape Fear

Topics relating to crime and punishment in the American legal system as viewed through the lens of the Cape Fear region. Explore a number of solutions to crime in the Cape Fear Region, many of which are unique to the area. Also serves as an introduction to

the community and its fabric in the Cape Fear Region.

Credit Hours: 3

University Studies: Explorations Beyond the Classroom
Crosslisting: CRM 250
Course Repeatability: Course may not be repeated.

PLS 329 - Ocean and Coastal Law and Policy

National and international laws and policies concerning the ocean. Topics include: fisheries management, marine mammal protection, shipping and navigation, oil and chemical pollution, coastal and wetlands protection, submerged lands, riparian rights, and public access to coastal lands and waters.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

PLS 426 - International Law

Nature, development and basic concepts of international law. Examination of the scope, sources

and sanctions of international law; its relation to municipal law; the rights and duties of states and individuals; methods of settling international disputes. Characteristic cases used as illustrations.

Credit Hours: 3

Prerequisite Courses: PLS 220
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

SOC 255 - Criminology

May not be taken for credit if student has already completed SOC 256 or CRM 256. The scientific study of the nature, extent, correlates and etiology of crime, with an emphasis on sociological theories of crime. Topics include crimes against persons and property, public order crimes, and both informal and formal reactions to crime.

Credit Hours: 3

Prerequisite Courses: SOC 105 or CRM 105

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Crosslisting: CRM 255
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 449 - Sociology of Law

Analysis of the role of law in society. Special emphasis given to the relationship between law and social organization and the relation of sociocultural changes to substantive and procedural aspects of law. Law viewed as a collectivistic-individualistic process and as a reflection of sociocultural values.

Credit Hours: 3

Prerequisite Courses: SOC 105.
Additional Restrictions/Requirements: Junior or senior standing.
Crosslisting: CRM 449
Course Repeatability: Course may not be repeated.

SOC 321 - Immigration and U.S. Society

Sociological considerations of immigration with a focus on the U.S. Major topics include why people migrate, the role of immigration and the immigration system in the larger society, how immigrants impact U.S. society, how social locations and institutions shape immigrants' lives.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors, Approaches and Perspectives/Living in a Diverse Nation
Course Repeatability: Course may not be repeated.

SWK 311 - Child Abuse and Neglect

Study of the knowledge base, laws, and professional roles associated with contemporary child welfare practice. Identification of child maltreatment, reporting procedures and community-based interdisciplinary practice issues are emphasized. Upon acceptance to the NC Child Welfare Education Collaborative, students must complete both SWK 311 and SWK 312 before admission to a DSS field placement.

Credit Hours: 3

Additional Restrictions/Requirements: Students must earn a "C" or better in each SWK course in order to progress in the program.
Course Repeatability: Course may not be repeated.

Total Credit Hours: 24

Additional Information

Note that some of the related courses have prerequisites which are not themselves counted toward the minor. Students must acquire the prerequisites and not ask to be waived into courses. Further, some of the related courses are only open to students in the Cameron School of Business. Related courses are also offered under PLS 495 (Department Seminar). These and other courses may be counted toward the minor at the discretion of the minor coordinator. A waiver form signed by the minor coordinator should be submitted in these cases. Students must earn at least a 'B' (3.00) average in all courses counted for the pre-law minor. At least six of the twenty-four hours counted toward the minor must come from outside the Department of

Public and International Affairs. Please note that the internship in Political Science (PLS 498) requires a minimum of a 3.0 overall GPA. In some cases, the instructor may grant students with lower GPAs the opportunity to pursue the internship for academic credit. The pre-law minor is designed to provide an advantage to students who plan to apply to law school after completing their degree; however, the minor is not a requirement for law school applicants.

Pre-Medical Sciences Minor

The minor in pre-medical sciences is designed to prepare students for admissions to medical, dental, pharmacy, or veterinary school after graduation by completing the major science and mathematics courses required as prerequisites for most programs. Contact the Department of Chemistry and Biochemistry for more information.

Minor in Pre-Medical Sciences

BIO 240 - Human Anatomy and Physiology I

Lecture must be taken concurrent with BIOL 240 . An introduction to the human organism with particular emphasis on maintenance of an internal steady state.

Tissues, musculoskeletal, nervous, and endocrine systems are stressed. The lab for this course is BIOL 240.

Credit Hours: 3

Corequisite Courses: BIOL 240.
Prerequisite Courses: BIO 201 and CHM 101 and CHML 101.
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

BIOL 240 - Human Anatomy and Physiology Laboratory I

Basic histology, dissections, and physiology experiments to demonstrate principles explored in BIO 240. This course is the lab for BIO 240.

Credit Hours: 1

Prerequisite Courses: Prerequisite or corequisite: BIO 240.

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

I

BIO 241 - Human Anatomy and Physiology II

A comprehensive study of human organ systems as relates to the maintenance of homeostasis. Topics include cardiovascular, respiratory, digestive, urinary, and reproductive systems. The lab for this course is BIOL 241.

Credit Hours: 3

Corequisite Courses: BIOL 241
Prerequisite Courses: BIO 240
Course Repeatability: Course may not be repeated.

BIOL 241 - Human Anatomy and Physiology Laboratory II

Basic histology, dissections, and physiology experiments to demonstrate principles explored in BIO 241. This course is the lab for BIO 241.

Credit Hours: 1

Prerequisite Courses: Prerequisite or corequisite: BIO 241.
Course Repeatability: Course may not be repeated.
I

BIO 335 - Genetics

Principles of Mendelian inheritance, gene action and molecular genetics, and population genetics. The lab for this course is BIOL 335.

Credit Hours: 3

Prerequisite Courses: BIO 201 and BIO 202
Course Repeatability: Course may not be repeated.

CHM 211 - Organic Chemistry I

Introduction to the chemistry of carbon compounds, including structure, reactions, mechanisms, and the concepts of organic synthesis. It is strongly recommended that students take the lab (CHML 211) concurrently with the lecture. The lab for this course is

CHML 211.

Credit Hours: 3

Prerequisite Courses: CHM 102
Course Repeatability: Course may not be repeated.

CHML 211 - Organic Chemistry Laboratory I

Introduction to reactions of organic compounds and basic laboratory techniques. This course is the lab for CHM 211.

Credit Hours: 1

Prerequisite or Corequisite Courses: CHM 211.
Prerequisite Courses: CHML 102
Course Repeatability: Course may not be repeated.

CHM 212 - Organic Chemistry II

Reactions and reaction mechanisms of organic compounds. A 'C' or better in CHM 212 is required to take certain advanced courses in chemistry. The lab for this course is CHML 212. It is strongly recommended that students take the lab (CHML 212) concurrently

with the lecture.

Credit Hours: 3

Prerequisite Courses: CHM 211 with a minimum grade of C
Course Repeatability: Course may not be repeated.

CHM 365 - Biochemistry I

The structures of macromolecules, amino acids and vitamins, and the chemical principles governing their actions. Solution properties of macromolecules, enzyme kinetics and mechanisms, and metabolic regulation, emphasizing organic/physical chemistry. Basics of nucleic acids and biological transfer information.

Credit Hours: 3

Prerequisite Courses: BIO 201 and CHM 212.
University Studies: Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

Or

BIO 465 - Biochemistry

Chemical properties and metabolism of amino acids, proteins, carbohydrates, lipids, and nucleic acids; enzymes kinetics; bioenergetics regulatory mechanisms. The lab for this course is BIOL 465.

Credit Hours: 3

Prerequisite Courses: BIO 201 and BIO 202 and CHM 211
Additional Restrictions/Requirements: Junior or senior standing.
Course Repeatability: Course may not be repeated.

STT 210 - Introduction to Statistics with Applications in the Health Sciences

Topics include descriptive statistics, probability, probability distributions, sampling distributions, confidence intervals, hypothesis testing, correlation and regression. Instruction tailored to applications in the health sciences.

Credit Hours: 3

University Studies: Foundations/Mathematics and Statistics
Course Repeatability: Course may not be repeated.

Or

STT 215 - Introduction to Statistics

Methods of data collection; numerical and graphical analyses of univariate and bivariate data; axioms of probability; conditional probability; independence; distributions of random variables; introduction to confidence intervals and hypothesis testing; simple linear regression and correlation; use of statistical software to analyze data and simulate random variables.

Credit Hours: 3

University Studies: Foundations/Mathematics and Statistics
Course Repeatability: Course may not be repeated.

Total credit hours: 24

Psychology Minor

Requirements for a Minor in Psychology:

PSY 105 - General Psychology

Principles of psychology with emphasis on scientific methods used in studying human behavior.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

and fifteen additional hours in psychology, with at least six hours at the 300-400 level.

Total: 18 hours

Additional Information:

A grade of "C" or better is required in PSY 105, and no more than one course with a grade of "D" can count toward the requirements for a minor in psychology. There also must be a "C" (2.00) or better average on all courses counted towards the minor.

Public Administration Minor

The Department of Public and International Affairs offers a Public Administration Minor for students interested in pursuing careers in public service working in government or the nonprofit sector. The minor requires 18 hours of course work, including 9 hours of core courses and 9 hours of electives.

Admission Requirements

Current UNCW Undergraduate Students

- See University Admission Requirements

Requirements for a Minor in Public Administration

Core Courses (9 Credit Hours)

Take three of the following four courses:

PLS 101 - American National Government

Survey of basic principles, institutions and functions such as federalism, separation of powers, civil liberties and rights, judicial review, public opinion, political parties, elections and interest groups.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.

PLS 308 - Public Administration

Introduction to public administration in the United States. Nature and scope of public administration, public interest in the administrative process, role of administrators, formal and informal organization, public personnel and financial management.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

PLS 304 - Introduction to Public Policy Analysis

Study of the theories and methods of analyzing and explaining public policy and the substance of recent domestic policies in the areas of public finance and human and physical resources, including welfare, education, protection of the environment, housing,

health, urban renewal and transportation.

Credit Hours: 3

Prerequisite Courses: PLS 101 and PLS 201
Additional Restrictions/Requirements: Prerequisite courses or consent of instructor.
University Studies: Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

PLS 360 - Introduction to Nonprofit Management

Covers management fundamentals in the nonprofit sector. Selected topics include governance, human relations, financial management, public relations and fundraising.

Credit Hours: 3

University Studies: Explorations Beyond the Classroom/Certified Internship Program
Course Repeatability: Course may not be repeated.

Elective Courses (9 Credit Hours)

Choose three of the following courses:

PLS 209 - Environmental Politics

Role of politics in environmental policy. Topics include the politics of the environmental movement, the environment as a public policy issue, and the development and impact of environmental policy.

Credit Hours: 3

University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.

PLS 217 - Ethics and Leadership in Public Life

Exploration of what it means to act responsibly and with integrity in public life in an environment of shared powers and competing values. Case studies, journals, role plays and film are used to illustrate concepts.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

PLS 350 - State Government and Politics

Survey and analysis of the organization, functions, and political processes of the American states with an emphasis on North Carolina politics.

Credit Hours: 3

Additional Restrictions/Requirements: Sophomore, junior or senior standing or consent of instructor.
Course Repeatability: Course may not be repeated.

PLS 351 - Urban Government and Politics

Structure, functions, political processes, problems, and trends in American city and metropolitan government and politics.

Credit Hours: 3

Additional Restrictions/Requirements: Sophomore, junior or senior standing or consent of instructor.
University Studies: Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.

PLS 354 - Urban Planning and Policy

Overview of the policies, plans, and regulations that local governments used to shape the physical growth of cities, towns, and suburbs. A range of topics are covered, such as transportation planning, historic preservation, and affordable housing development.

Credit Hours: 3

Additional Restrictions/Requirements: Sophomore, junior or senior standing or consent of instructor.
Course Repeatability: Course may not be repeated.

PLS 361 - Nonprofit Resource Development

Examines the range of ways for nonprofit organizations to raise funds from individuals, government, foundations, and corporations. Major theoretical foundations of fund development, general fundraising principles, donor market segregation, fundraising techniques, and key aspects of managing the fundraising process.

Credit Hours: 3

University Studies: Explorations Beyond the

Classroom
Course Repeatability: Course may not be repeated.

PLS 362 - Leading and Managing Volunteers

Addresses major issues in the leadership and management of volunteers in the nonprofit and public sectors. Focuses on the two main types of volunteers: service volunteers, and policy volunteers (board members). Topics covered include volunteer recruitment, screening, job design, supervision, recognition, and evaluation.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

PLS 427 - International Organizations

Survey of the evolution, objectives and methods of various types of regional and universal organizations and their role in contemporary international relations. Special emphasis will be placed on the principal functions and agencies of the United Nations and the European economic community.

Credit Hours: 3

Prerequisite Courses: PLS 220
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

PLS 434 - Nonprofit Leadership Experience

An engaged learning experience where students learn about nonprofit organizations, acquire useful employment skills and apply them in projects designed by nonprofit organizations in conjunction with the instructor. Students will complete projects developed and needed by nonprofit organizations in the community; and students will meet and interact with members of the UNCW and nonprofit community.

Credit Hours: 3

University Studies: Explorations Beyond the Classroom
Crosslisting: PLS 534
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

PLS 491 - Directed Individual Study

Investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.

Credit Hours: 1 To 3

Additional Restrictions/Requirements: Junior or senior standing, overall GPA of at least 2.00, and consent of instructor, department chair and dean.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

PLS 498 - Internship in Political Science

Experiential learning with selected public or private agencies or with an individual which allows the student to utilize academic training while learning from a practical field experience. (Formal research project is a major part of the internship.)

Credit Hours: 3

Prerequisite Courses: PLS 101 and PLS 201 and (PLS 300 or PLS 304 or PLS 308)
Additional Restrictions/Requirements: Prerequisite courses, junior or senior standing, overall 3.00 GPA or consent of instructor.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12 **Repeat Limit:** 1
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

Major Restriction Political Science**Minor Restriction** Pre-Law

ACG 201 - Financial Accounting

An introduction to the basic framework of accounting for students majoring in accountancy or other disciplines. Includes preparation of financial records and external financial reports. Emphasis on the underlying accounting concepts and constraints. The lab for this course is ACGL 201.

Credit Hours: 3

Corequisite Courses: ACGL 201
Prerequisite Courses: MAT 111 or MAT 150 or MAT 160
Course Repeatability: Course may not be repeated.

ACGL 201 - Financial Accounting Lab

This course is the lab for ACG 201.

Credit Hours: 1

Corequisite Courses: ACG 201
Course Repeatability: Course may not be repeated.

COM 223 - Mediation and Conflict Management

Introduction to the principles of conflict management and alternative dispute resolution with an emphasis on mediation and conflict theory. Other topics include negotiation, arbitration and litigation.

Credit Hours: 3

Prerequisite or Corequisite Courses: COM 105.
Course Repeatability: Course may not be repeated.

COM 257 - Arguing Well: Exploring Argumentation and Debate

Explores principles, practices and ethical dimensions of argumentation and their application to debates and decision-making. Students will engage in research and critical thinking in order to construct cases and participate in debates about issues of interest.

Credit Hours: 3

University Studies: Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

COM 271 - Communication, Collaboration and Effective Groups

Theory and practice of collaborative communication. Emphasis on learning to work effectively in face-to-face and virtual groups. Focus on managing social and task dimensions of collaborative decision-making for problem solving and creative projects.

Credit Hours: 3

Additional Restrictions/Requirements: Restricted to sophomore or higher.
Course Repeatability: Course may not be repeated.

COM 272 - Introduction to Organizational Communication

Study of organizations and virtual organizations as systems created and sustained by communication processes. Topics include organizational analysis and development, diversity, leadership, culture, HR and issues relevant to the global and international marketplace.

Credit Hours: 3

Additional Restrictions/Requirements: PCOM or COM or permission of instructor.
Course Repeatability: Course may not be repeated.
Major Restriction PCOM or COM

COM 378 - Business and Professional Communication

Develop and refine communication skills in business environments and other professional settings. Topics include written correspondence, selection and use of communication technologies, delivery of mediated messages, and the design and delivery of professional presentations.

Credit Hours: 3

Prerequisite Courses: COM 101.
Additional Restrictions/Requirements: COM majors or Entrepreneurship minors, or permission of instructor.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.
Major Restriction COM Majors Only**Minor Restriction** Entrepreneurship

COM 425 - Negotiation

Theoretical and practical perspectives of negotiation. Emphasis on negotiating techniques for use in business and interpersonal relationships. Explores differences between integrative and distributive bargaining.

Credit Hours: 3

Prerequisite Courses: COM 223
Additional Restrictions/Requirements: Prerequisite course and consent of instructor.
Course Repeatability: Course may not be repeated.

COM 474 - Contemporary issues in Organizational Communication

Exploration of emerging challenges and cases that influence or are affected by organizations and organizational communication. Connections between intra-organizational communication, organizational cultural, and external communication choices will be examined from a variety of perspectives.

Credit Hours: 3

Prerequisite Courses: COM 272 or MGT 350
Additional Restrictions/Requirements: Senior class standing, prerequisite courses, or permission of instructor.
Course Repeatability: Course may not be repeated.

CRM 460 - Crime and Public Policy

Study of crime policies in the justice system with emphasis on theoretical and empirical merits of various crime reduction strategies. Qualitative and quantitative methods used to evaluate crime control policies.

Credit Hours: 3

Prerequisite Courses: CRM 105
Additional Restrictions/Requirements: Prerequisite course and 3 additional hours in CRM.
Course Repeatability: Course may not be repeated.

ECN 325 - Environmental Economics

Application of basic economics principles is used to help understand environmental problems and evaluate alternative solutions. Economic principles will be employed to analyze fundamental environmental issues such as property rights, externalities, conservation, and public goods. Public policy issues such as environment protection, natural resource damage assessment, and pollution control will be evaluated from an economic perspective. Specific focus will be given to methods for non-market valuation.

Credit Hours: 3

Prerequisite Courses: ECN 125 or ECN 221
Crosslisting: EVS 325
Course Repeatability: Course may not be repeated.

ECN 328 - Public Finance

Study of state, local, and federal government revenue and expenditures; theory of taxation, tax shifting and incidence; theory of public goods, fiscal neutrality and government regulation; methods of achieving efficiency in government benefit-cost analysis, program budgeting (PPB), and pricing of government services.

Credit Hours: 3

Prerequisite Courses: ECN 222.
Additional Restrictions/Requirements: Prerequisite courses and either admission to Cameron School of Business or declared minor in economics
University Studies: Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.

ECN 329 - Industrial Organization and Public Policy

A theoretical and empirical study of how the structure of industry affects the conduct and performance of the firm; balanced coverage of public policy as it affects structure, conduct and performance.

Credit Hours: 3

Prerequisite Courses: ECN 222.
Additional Restrictions/Requirements: Prerequisite courses and either admission to Cameron School of Business or declared minor in economics.
Course Repeatability: Course may not be repeated.

ECN 330 - Natural Resource Economics

Economic principles are developed and applied to evaluate public and private decisions involving the use and allocation of natural resources. Optimal control theory is developed and applied to the management of natural resources. Attention is given to specific resources management areas such as forests and fisheries. The feasibility of alternatives for public policy is evaluated.

Credit Hours: 3

Prerequisite Courses: ECN 125 or ECN 221
Crosslisting: EVS 330
Course Repeatability: Course may not be repeated.

ECN 377 - Introduction to Econometrics and Data Analytics

Introduction to applied estimation, testing and interpretation of economic models useful for business and policy decision-making. Emphasis on applied, client-driven model formulation, data acquisition and manipulation, and model estimation using statistical regression in a desktop computing environment. Extensive practice in interpretation of results for business and policy audiences.

Credit Hours: 3

Prerequisite Courses: ECN 222 and (MAT 151 or MAT 161) and (BAN 280 or STT 215).
Additional Restrictions/Requirements: Prerequisite courses and either admission to Cameron School of

Business or declared minor in economics.
Course Repeatability: Course may not be repeated.

ECN 428 - Applied Regional Analysis

Theoretical and applied analysis of patterns and trends in local, state, and regional economic growth. Use of current computer-based methods in regional economic analysis including economic impact models. Applied analysis of current regional issues and government policies to address these issues.

Credit Hours: 3

Prerequisite Courses: ECN 222.
Additional Restrictions/Requirements: Prerequisite courses and either admission to Cameron School of Business or declared minor in economics.
University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

ECN 429 - Economics of Growth and Development

Economic principles are developed and applied to evaluate theories of economic growth and development in an international context. Major topics include: Measuring growth, theory of economic growth, the economics of poverty, agricultural issues, health, nutrition, productivity, gender bias, education, and technological change; government failures, migration and population growth, theories of income distribution, human capital theory, social capital theory, the effect of geography on growth, and sustainable development.

Credit Hours: 3

Prerequisite Courses: ECN 222.
Additional Restrictions/Requirements: Prerequisite courses and either admission to Cameron School of Business or declared minor in economics.
University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

EVS 330 - Natural Resource Economics

Economic principles developed and applied to evaluate public and private decisions involving the use and

allocation of natural resources. Optimal control theory developed and applied to the management of natural resources. Attention to specific resource management areas such as forests and fisheries. Feasibility of alternatives for public policy.

Credit Hours: 3

Prerequisite Courses: ECN 125 or ECN 221
Crosslisting: ECN 330
Course Repeatability: Course may not be repeated.

EVS 364 - Natural Resource Policy

Existing natural resource laws, institutions and programs are summarized in their historical context and in relation to current natural resource issues. Philosophical underpinnings of policy positions are examined and discussed. Models of policy creation, implementation, and reform, with specific examples focusing on natural resource management.

Credit Hours: 3

Prerequisite Courses: EVS 195 or permission of

instructor.
Additional Restrictions/Requirements: Junior or senior standing, or permission of instructor.
Course Repeatability: Course may not be repeated.

EVS 472 - Coastal Protected Areas Management

Study of resource management focused on protected areas maintained by government agencies and by private non-profit organization. Emphasis will be on natural area significance, site selection, management plan development, policy formulation, protection options, use conflicts, and public relations.

Credit Hours: 3

Prerequisite Courses: EVS 195 and EVS 360
Additional Restrictions/Requirements: Prerequisite courses or consent of the Instructor.
Course Repeatability: Course may not be repeated.

HST 334 - Public History

A study of the ways in which historians practice outside of the academy. Topics include historic preservation, museum interpretation, cultural resource management,

media, and archives. Class may include guest speakers and field trips.

Credit Hours: 3

Additional Restrictions/Requirements: Any HST course or consent of instructor.
Course Repeatability: Course may not be repeated.

LED 211 - Principles of Leadership

Introduction to leadership. Study of leadership theories, styles, and strategies. Emphasis on developing leadership skills in a variety of settings.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.

LED 311 - Communication and Leadership

Theory and practice of leadership. Focuses on issues of cohesiveness, trust, motivation, vision, and goals.

Development of conflict management and decision-making goals.

Credit Hours: 3

Prerequisite Courses: LED 211
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

MGT 350 - Principles of Management

Study of theories, research and concepts underlying the structure and processes of complex organizations. Emphasis on problem solving issues and applications in organization design, leadership, motivation and interpersonal communications.

Credit Hours: 3

Additional Restrictions/Requirements: Sophomore standing or admission to the Cameron School of Business.
University Studies: Approaches and Perspectives/Living in Our Diverse Nation, Approaches

and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.

MGT 352 - International Management

Study of management practices in the international business arena. Emphasis on the necessity of understanding global business interdependencies. Particular attention to developing sensitivity to other cultures, values, customs, and beliefs and their effects on business decisions and practices.

Credit Hours: 3

Prerequisite or Corequisite Courses: MGT 350.
Prerequisite Courses: INB 300.
Additional Restrictions/Requirements: Prerequisite courses and admission to Cameron School of Business.
University Studies: Building Competencies/Writing Intensive
Crosslisting: INB 352
Course Repeatability: Course may not be repeated.

MGT 355 - Ethics in Management

Every person will face a moral or ethical quandary at some juncture in a career. This course will help prepare today's graduates (future employees and managers) to think in a structured, orderly way about their obligations to their companies and to other people. Ethics experts argue students must develop the skills needed to convincingly present their moral point of view so they may ethically represent their organizations, safeguard their careers, and protect their societies. Students will explore historical and contemporary cases in managerial ethics applying theories of ethical reasoning. Topics will relate to ethical problems in business management, moral analysis and economic outcomes, legal requirements underscoring ethical management, ethical duties of managers and business owners, and practical/legal reasons businesses should be ethical. Students will discuss how to identify unethical conduct and how to appropriately respond to it. The link between ethics and corporate culture will be reinforced.

Credit Hours: 3

Prerequisite Courses: MGT 350.
Course Repeatability: Course may not be repeated.

MGT 356 - Human Resource Management

Evaluation of concepts and approaches used in human resource management and development. Study of manpower planning, selection procedures, performance review, compensation and benefits, equal employment/affirmative action factors, and labor relations. Emphasis is on how personnel specialists and operating managers can improve organizational performance.

Credit Hours: 3

Prerequisite Courses: Prerequisite or Corequisite: MGT 350
Additional Restrictions/Requirements: Admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.

MGT 358 - Organizational Behavior

Application of behavioral science concepts in the management of organizations. Emphasis on increasing

productivity on the individual, group, and organizational level. Particular attention directed to analyzing organizations, developing motivational programs, designing enriching jobs, leadership development, and managing organizational change.

Credit Hours: 3

Prerequisite or Corequisite Courses: MGT 350.
Additional Restrictions/Requirements: Admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.

MGT 453 - Leading Virtual Teams

Modern organizational structures require leaders to be able to design and cultivate effective and efficient collaboration in teams – whether co-located, distributed, virtual, or any combination thereof. This course presents the state-of-the-science of leading collaboration in today's digital workforce. The goal of this course is to develop the capacity to lead collaboratively, regardless of the context in which your team works. Understanding the core actions of leaders and how they shape needed team properties is crucial

to success. The course will leverage a variety of tools to promote both skill and knowledge building: exercises, cases, readings, videos, discussions, a self-assessment, and guided self-reflection.

Credit Hours: 3

Prerequisite or Corequisite Courses: MGT 350
Additional Restrictions/Requirements: Admission to Cameron School of Business
Course Repeatability: Course may not be repeated.
Major Restriction BS Business Administration

MGT 459 - Negotiation

Study of theory, research and practice in negotiation. Topics include social dilemmas, distributive bargaining, integrative agreements, multiple-party scenarios, dispute resolution, third-party interventions and ethics. Negotiation exercises provide experience in a variety of contexts.

Credit Hours: 3

Additional Restrictions/Requirements: Admission to

Cameron School of Business.
Course Repeatability: Course may not be repeated.

MIS 411 - Information Systems Analysis

Processes and methods used for identifying and documenting information systems requirements and developing systems specifications. Topics include the systems development life cycle, analysis tools, development methodologies, and techniques for effective communication.

Credit Hours: 3

Prerequisite or Corequisite Courses: MIS 315.
Prerequisite Courses: Prerequisite: CIT 213 with a minimum grade of C-, or prerequisite/corequisite: MIS 315.
Additional Restrictions/Requirements: Admission to Cameron School of Business for students majoring in Business Administration, and students majoring in Information Technology B.S.
University Studies: Building Competencies/Information Literacy, Explorations

Beyond the Classroom
Course Repeatability: Course may not be repeated.

PSY 336 - Industrial-Organizational Psychology

Psychological techniques in job analysis, personnel selection and placement, training, performance appraisal, employee motivation, employee health and satisfaction, organizational productivity and communication, group decision making, and leadership.

Credit Hours: 3

Prerequisite Courses: PSY 246 or PSY 264
Additional Restrictions/Requirements: Prerequisite courses or consent of instructor.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

BAN 280 - Statistical Analysis for Business and Economics

Classification and presentation of business and economics data, probability and expected value, statistical inference, simple linear regression and

correlation analysis.

Credit Hours: 3

Prerequisite Courses: MAT 111 or MAT 150.
University Studies: Foundations/Mathematics and Statistics
Course Repeatability: Course may not be repeated.

REC 375 - Leadership and Management in Tourism, Recreation, and Sport

Principles and practices of contemporary leisure service management, particularly the effective and efficient management of human, fiscal, informational, and physical resources through planning, organizing, directing, leading, and controlling decisions. Tutorials, case studies, and computer applications.

Credit Hours: 3

Prerequisite Courses: REC 265 and REC 270.
Additional Restrictions/Requirements: REC majors and minors only or permission of instructor.
University Studies: Building Competencies/Writing

Intensive
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 340 - Organizations in Modern Society

An introduction to the dynamics of social life in large-scale organizations. Topics include organizational social psychology, organizational structure and process, and organization-community relations.

Credit Hours: 3

Prerequisite Courses: SOC 105
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 391 - Public and Applied Sociology and Criminology Seminar

Application of sociological tools to real-life issues in a variety of social settings. Methods may include surveys, interviews, focus groups, secondary data analysis, and evaluation applications. Development of proposals for research projects conducted in a second, sequenced course in the following semester.

Credit Hours: 3

Prerequisite or Corequisite Courses: SOC 301 or CRM 301.
Prerequisite Courses: SOC 300 or CRM 300, and SOC 360.
University Studies: Building Competencies/Information Literacy, Explorations Beyond the Classroom
Crosslisting: CRM 391
Course Repeatability: Course may not be repeated.

SOC 486 - Sociology of Work and Occupations

Analysis of the place of work in society. Examines occupational structures as the primary link between persons and the larger society. Topics include the growth and development of occupational structure, occupations and technological change, and organizational complexity.

Credit Hours: 3

Prerequisite Courses: SOC 105

Additional Restrictions/Requirements: Prerequisite course and three additional hours in sociology or economics.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

Total Credit Hours: 18

Additional Information:

A grade of "C" (2.00) or better is required for each course counted toward the minor.

Religion Minor

Admission Requirements

Current UNCW Undergraduate Students

- See University Admission Requirements

Requirements for a Minor in Religion

Core Courses (9 Credit Hours)

PAR 103 - Exploring Religions

Introduction to the academic study of religion. Explores the many diverse religions practiced around

the world and the ways practitioners construct religious experiences through scriptures, art, gender, race, and community.

Credit Hours: 3

University Studies: Approaches and Perspectives/Historical and Philosophical Approaches
Course Repeatability: Course may not be repeated.

PAR 125 - Scriptures of the World's Religions

Introduction to the history and composition of scriptures of the world's religions from oral stories to words, images, objects, books, performances, sounds, and texts. Examines how scriptures in major Eastern and Western religions have constructed historical, political, social, and cultural realities through various forms of art from antiquity to today.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives, Approaches and Perspectives/Historical

and Philosophical Approaches, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.
and

PAR 230 - Judaism, Christianity, and Islam

Survey of the history of Judaism, Christianity, and Islam from their origins in the Middle East over 3,500 years ago to their diverse practices, scriptures, art, and communities around the world today.

Credit Hours: 3

University Studies: Approaches and Perspectives/Historical and Philosophical Approaches, Approaches and Perspectives/Living in a Global Society, Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

PAR 232 - Asian Religions

A survey of Hinduism, Buddhism, Taoism, and Confucianism; historical aspects, basic insights, contemporary relevance.

Credit Hours: 3

University Studies: Approaches and Perspectives/Historical and Philosophical Approaches, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

Elective Courses (9 Credit Hours)

- an additional 9 hours in religion courses at the 200-400 level, at least 6 hours of which must be at the 300-400 level.

Total Credit Hours: 18

Additional Information:

An overall grade point average of "C" (2.00) or better is required in courses counted toward the minor.

Russian Studies Minor

Admission Requirements

Current UNCW Undergraduate Students

- See University Admission Requirements

Requirements for a Minor in Russian Studies

Completion of 18 semester hours: 6 hours of core courses including RUS 201 and RUS 202. Twelve hours of elective courses from RUS 209, RUS 294, RUS 395 (repeatable under different topics), RUS 491, FST 381, HST 325, HST 326, PLS 336, and approved study abroad courses. Students must select courses from at least two separate disciplines.

Minimum "C" (2.00) average for all courses towards the minor.

Core Courses (6 Credit Hours)

RUS 201 - Intermediate Russian I

A review of the grammatical structure of the language. Application of the language in composition, conversation, and readings.

Credit Hours: 3 To 4

Prerequisite Courses: RUS 102
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 4

RUS 202 - Intermediate Russian II

A review of the grammatical structure of the language. Application of the language in composition, conversation, and readings.

Credit Hours: 3 To 4

Prerequisite Courses: RUS 201
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 4

Elective Courses (12 Credit Hours)

RUS 209 - Russian Literature in Translation: Topics

Study of representative works from the literature of the Russian-speaking world. Readings and class discussions in English. May be repeated under different subtitles.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary

Perspectives
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

RUS 294 - Study Abroad

Special topics related to issues in the Russian-speaking world to be taken abroad from UNCW faculty or as transfer credit. Course may be repeated under different content/titles.

Credit Hours: 1 To 6

University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

RUS 395 - Topics in Russian Studies

Intensive study of a selected topic in Russian Studies. Courses are taught through the UNC Russian Studies Consortium as a teleconference/DE course. May be repeated under different subtitles.

Credit Hours: 3

Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

RUS 491 - Directed Individual Study

Involves the investigation under faculty supervision beyond what is offered in existing Russian courses. For further information, consult Directed Individual Studies section in this catalogue.

Credit Hours: 1 To 3

Additional Restrictions/Requirements: Junior or senior standing, overall GPA of at least 2.00, and consent of instructor, department chair, and dean.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 9

FST 381 - History of Russian and Soviet Cinema

Survey of Russian and Soviet cinema from the 1900s to the present, focusing on Sergei Eisenstein, Dziga Vertov, Andrei Tarkovsky, and other directors, as well

as the cultural, political, and economic forces that influenced their films.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: FST 205, or permission of instructor.
University Studies: Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

HST 325 - Russia to 1881

History of Russia from its origins to 1881. Topics include the Mongol Conquest, state building, foreign policy, popular and intellectual opposition to serfdom.

Credit Hours: 3

Additional Restrictions/Requirements: Any HST course or consent of instructor.
Course Repeatability: Course may not be repeated.

HST 326 - Russia Since 1881

History of Russia from 1881 to the present. Topics include the impact of emancipation, growth of revolutionary movement, revolutions of 1917, the Stalin years, post-Stalin reforms, end of Soviet Union.

Credit Hours: 3

Additional Restrictions/Requirements: Any HST course or consent of instructor.
Course Repeatability: Course may not be repeated.

PLS 336 - Russian and Post-Soviet Political Systems

Comparative study of the political institutions and processes of Russia and the eastern European Countries. Post-Soviet dynamics and the nature and significance of contemporary changes.

Credit Hours: 3

Prerequisite Courses: PLS 230
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

Total Credit Hours: 18

Security Studies Minor

The College of Humanities, Social Sciences, and the Arts offers a Security Studies Minor designed to examine how countries identify and organize to respond to threats to their physical, political, economic, and human security.

Admission Requirements

Current UNCW Undergraduate Students

- See University Admission Requirements

Requirements for Security Studies Minor:

The minor requires 21 hours of course work, including 6 hours of core courses, and 15 hours of Security Studies electives. For successful completion of the minor, students must take 9 or more hours outside their major. A course will not be counted as both core and elective.

Core Courses (6 Credit Hours)

PLS 220 - Introduction to International Relations

Basic analysis of politics among nations. Role of law, force, and diplomacy in world politics; problems of war, peace, and disarmament.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

One from the follwing courses:

PLS 421 - Causes and Dynamics of Ethnic and Nationalist Conflict

This course introduces students to some of the most intractable and violent conflicts around the world in order to understand various theoretical approaches that explain the onset and dynamics of ethno-nationalist conflicts.

Credit Hours: 3

University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

PLS 423 - National Security Policy

Formulation of security policy, including the roles of the executive and legislative branches and of non-governmental factors; evolution of changing assumptions, strategies, and goals; the nature of U.S. security requirements, U.S. military commitments abroad, and the cost of strategies based on weapons superiority, arms control, and disarmament.

Credit Hours: 3

Prerequisite Courses: PLS 220
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

PLS 424 - International Security

Investigates war and conflict at the international level and the different ways in which governments individually or collectively work to address the problem.

Credit Hours: 3

Prerequisite Courses: PLS 220
University Studies: Building Competencies/Writing Intensive, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

PLS 428 - Global Terrorism

Investigates the phenomenon of terrorism at the international and global level with particular empasis on why terrorism occurs, and on domestic level and international cooperative counterterrorism.

Credit Hours: 3

Prerequisite Courses: PLS 220
Course Repeatability: Course may not be repeated.

Security Studies Elective Courses (15 Credit Hours)

ANT 310 - The Ancient Maya

Explores the achievements of one of the most remarkable civilizations in the Americas. Artistic, architectural, economic and religious components of

pre-Columbian Maya Society; the rise and decline of the civilization; Spanish impacts on Maya cultural history.

Credit Hours: 3

University Studies: Building Competencies/Writing Intensive, Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

ANT 327 - Globalization & Culture Change

Explores processes of globalization in local communities by addressing issues and dynamics of culture change in the contemporary world. Themes include: economic development and underdevelopment; legacies of colonialism; immigration; transnational culture; market and meaning exchanges in media and the arts; and organized resistance to globalization.

Credit Hours: 3

University Studies: Approaches and

Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

ANT 329 - Environmental Justice Ethnography

Ethnographic survey of the emergence of social movements organized around environmental issues. Through the writings of cultural anthropologists, students learn how communities around the world threatened by environmental destruction seek justice, accountability, and sustainability. Environmental crises are analyzed in terms of globalization, structures of poverty, and human rights.

Credit Hours: 3

University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

ANT 330 - The Immigrant Experience

Through ethnographic accounts and personal narratives from a variety of global settings, the course examines the economic, social and political factors that prompt migration and explores the cultural adaptations,

ethical questions, human rights issues, and public policy debates of immigration and resettlement.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in Our Diverse Nation, Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

CRM 410 - World Criminal Justice Systems

Comparative study of criminal justice systems throughout the world. Attention to historical, structural, political, legal and philosophical similarities and differences.

Credit Hours: 3

Prerequisite Courses: CRM 105
Additional Restrictions/Requirements: Prerequisite course plus 6 additional hours in CRM.
Course Repeatability: Course may not be repeated.

CRM 420 - Collective Violence

Analysis of group violence and its control. Topics include the theory and strategy of mass violence, terrorism, genocide, riots and revolutions, and historical and contemporary forms of warfare and the examination of case studies to identify the influence of society, culture, and politics on such events, as well as the impact these events have on society.

Credit Hours: 3

Prerequisite Courses: SOC 105 or CRM 105
Additional Restrictions/Requirements: Nine hours in CRM.
Course Repeatability: Course may not be repeated.

GGY 340 - Global Change: Population, Resources, and the Environment

Introduction to the four major driving forces of global change: demographic trends, natural resource use, climate change, and globalization. Explores the role of economic and cultural development and analyzes regional patterns that result in the unique manifestations of global change.

Credit Hours: 3

Prerequisite Courses: GGY 130 or GGY 101 or GGY 180, or consent of instructor.
Course Repeatability: Course may not be repeated.

GGY 322 - Introduction to Remote Sensing

Theory and application of remote sensing techniques and software applications for environmental sciences, geography, earth sciences, hydrology, archaeology, forestry, and public health. Includes satellite data collection, digital image processing, multispectral image analysis, introduction to thermal infrared and microwave data through laboratory exercises. Students work in small groups to apply remote sensing concepts to solve complex problems. Two lecture and two laboratory hours each week.

Credit Hours: 3

Prerequisite Courses: GGY 130 or GGY 215 or GLY 101 or GLY 120 or OCN 150 or EVS 195 or consent of instructor.
Additional Restrictions/Requirements: Prerequisite

course or consent of instructor.
Course Repeatability: Course may not be repeated.

GGY 428 - Advanced Remote Sensing

Advanced theory and application of remote sensing techniques and software applications for environmental sciences, geography, earth sciences, hydrology, archaeology, and forestry. Includes satellite data collection, advanced classification methods, hyperspectral and microwave image analysis, and satellite elevation data construction. Two lecture and two laboratory hours each week.

Credit Hours: 3

Prerequisite Courses: GGY 322
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Crosslisting: GGY 528
Course Repeatability: Course may not be repeated.

HST 104 - Introduction to Global History Since 1848

Historical events, peoples, and places as well as the transformation of global systems. Examines the effects of industrialization, imperialism, nationalism, world wars, the Cold War, communism, and globalization on contemporary societies.

Credit Hours: 3

University Studies: Approaches and Perspectives/Historical and Philosophical Approaches, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

HST 301 - History of American Foreign Relations since the Progressive Era

Formation and implementation of American foreign policy, including the relationship between foreign policy and American political culture, and the impact of foreign perspectives on U. S. foreign policy since the Progressive Era.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

HST 317 - Northern Ireland from 1880

Politics and society in Northern Ireland from Home Rule through partition, the troubles, and the peach process of the 1990's and beyond. Examination of primary sources, film, and the work of a broad range of academic specialists in the region to explore the historical development of this deeply divided society.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

HST 326 - Russia Since 1881

History of Russia from 1881 to the present. Topics include the impact of emancipation, growth of revolutionary movement, revolutions of 1917, the Stalin years, post-Stalin reforms, end of Soviet Union.

Credit Hours: 3

Additional Restrictions/Requirements: Any HST

course or consent of instructor.
Course Repeatability: Course may not be repeated.

HST 353 - The American Revolution and Formation of the United States

Organization of the British Empire, events preceding the Revolution, the war for independence, Confederation era, drafting and ratification of the U. S. Constitution, politics of the new nation.

Credit Hours: 3

Additional Restrictions/Requirements: Any HST course or consent of instructor.
Course Repeatability: Course may not be repeated.

HST 368 - History of Modern Latin America

The development of South America, Central America, Mexico, and the Caribbean from the time of independence in the early nineteenth century to the present.

Credit Hours: 3

Additional Restrictions/Requirements: Any HST course or consent of instructor.
Course Repeatability: Course may not be repeated.

HST 372 - History of Modern Africa

Historical survey of African history from 1800 to the present with emphasis on the abolition of slavery and the slave trade; the scramble for Africa; establishment and operation of colonial rule; independence movements; and the post-colonial period.

Credit Hours: 3

Additional Restrictions/Requirements: Any HST course or consent of instructor.
Course Repeatability: Course may not be repeated.

HST 399 - Europe Since 1945

Europe from the end of the Second World War to the present. Topics include the welfare state, decolonization, the 1960s, consumer society, the origins and end of the Cold War, and European integration.

Credit Hours: 3

Additional Restrictions/Requirements: Any HST course or consent of instructor.
Course Repeatability: Course may not be repeated.

INT 330 - Topics in Africa

Intensive study of a selected topic or theme about Africa. May be repeated under different subtitles.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

INT 335 - Topics in Asia

Intensive study of a selected topic or theme about Asia. May be repeated under a different subtitle.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

INT 340 - Topics in Europe

Intensive study of a selected topic or theme about Europe. May be repeated under different subtitles.

Credit Hours: 3

Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

INT 345 - Topics in Latin America

Intensive study of a selected topic or theme about Latin America. May be repeated under different subtitles.

Credit Hours: 3

Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

INT 350 - Topics in the Middle East

Intensive study of a selected topic or theme about the Middle East. May be repeated under different subtitles.

Credit Hours: 3

Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

INT 361 - Ethnic Conflicts and Territorial Disputes

Examination of modern territorial disputes and ethnic conflicts in Asia, Europe, Africa and the Middle East in the 20th and 21st centuries.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

INT 405 - INT 405 - War in the Global System - Masters

Exploration of warfare in the post-Cold War era. Most wars today are Intrastate in nature, centered on identity, issues, and largely a consequence of decolonization processes. Explores these issues through interdisciplinary research drawn from the fields of peace studies and conflict management.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

PAR 230 - Judaism, Christianity, and Islam

Survey of the history of Judaism, Christianity, and Islam from their origins in the Middle East over 3,500 years ago to their diverse practices, scriptures, art, and communities around the world today.

Credit Hours: 3

University Studies: Approaches and Perspectives/Historical and Philosophical Approaches, Approaches and Perspectives/Living in a Global Society, Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

PAR 232 - Asian Religions

A survey of Hinduism, Buddhism, Taoism, and Confucianism; historical aspects, basic insights, contemporary relevance.

Credit Hours: 3

University Studies: Approaches and Perspectives/Historical and Philosophical Approaches, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

PAR 362 - Archaeology of Ancient Israel

Study of Ancient Israel, its peoples and cultures through archaeological artifacts and analysis of ancient writings.

Credit Hours: 3

Prerequisite Courses: PAR 103 or PAR 235
Additional Restrictions/Requirements: Prerequisite courses or consent of instructor.
University Studies: Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

PAR 370 - Tibetan Buddhism

Examination of the Buddhism of Tibet as seen in ethical and social thought, ritual and meditation practice, philosophy, and art.

Credit Hours: 3

Prerequisite Courses: PAR 232
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

PAR 371 - Buddhism

Survey of the essentials of Buddhism as seen in ethical and social thought, mediation practices, philosophies, rituals and art.

Credit Hours: 3

University Studies: Building Competencies/Writing Intensive/Information Literacy
Course Repeatability: Course may not be repeated.

PAR 374 - Japanese Religions

Examination of Japanese religions and their roles in Japanese culture and society. Course will make use of texts, literature, film, anime, manga, and other media.

Credit Hours: 3

University Studies: Building Competencies/Writing Intensive/Information Literacy
Course Repeatability: Course may not be repeated.

PAR 378 - Caribbean Religions

Religious diversity within the Caribbean, including established, non-traditional, and Afrocentric religious traditions, and their interaction with popular culture.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

PLS 330 - Political Systems of Africa

Governments and politics of selected sub-Saharan African states. A survey from colonial days to the present with emphasis on contemporary economic, social and political problems.

Credit Hours: 3

Prerequisite Courses: PLS 230

Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

PLS 333 - Politics of South America

Politics of South America and the impact of socio-economic forces on the region and its political structures.

Credit Hours: 3

Prerequisite Courses: PLS 230
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

PLS 334 - Revolutionary Movements

Introduction to the social, political, and economic conditions which give rise to radical response. Examines small rebel bands, or militias (commonly referred to as 'guerrilla' movements), and 'terrorist' organizations, as well as large-scale revolutionary movements.

Credit Hours: 3

Prerequisite Courses: PLS 230
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
University Studies: Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

PLS 336 - Russian and Post-Soviet Political Systems

Comparative study of the political institutions and processes of Russia and the eastern European Countries. Post-Soviet dynamics and the nature and significance of contemporary changes.

Credit Hours: 3

Prerequisite Courses: PLS 230
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

PLS 337 - Chinese Politics

Political system of China with special emphasis on the challenges of development, democracy, and nation-building in the post-1949 period.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

PLS 338 - Political Systems of the Middle East

Governments and politics of the Middle East with emphasis on the changes that have occurred since 1945. A detailed examination of the forces that have shaped contemporary Middle Eastern politics: Islam, nationalism, modernization, and current political trends. The political institutions and processes and the domestic and foreign policies of selected countries will be studied.

Credit Hours: 3

Prerequisite Courses: PLS 230
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

PLS 339 - Asian Politics

Recommended: PLS 230. Political systems of selected Asian countries. Special emphasis on the challenges of development, democracy, and nation-building in the post-World War II period.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

PLS 420 - Politics of Nuclear Weapons

Introduction to nuclear weapons policy and strategy with an emphasis on nonproliferation, nuclear security, and nuclear deterrence. Consideration of nuclear weapons technology, why countries seek nuclear weapons, risks to international security, and policy tools deployed to prevent proliferation or use.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

PLS 421 - Causes and Dynamics of Ethnic and Nationalist Conflict

This course introduces students to some of the most intractable and violent conflicts around the world in order to understand various theoretical approaches that explain the onset and dynamics of ethno-nationalist conflicts.

Credit Hours: 3

University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

PLS 422 - Contemporary American Foreign Policy

Roles and interrelationships of Congress, the media, public opinion, the president, the secretaries and departments of state and defense, and the intelligence community are examined. Emphasis is placed on the content and the dynamic aspects of the process of policy formulation and implementation.

Credit Hours: 3

Prerequisite Courses: PLS 220

Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

PLS 423 - National Security Policy

Formulation of security policy, including the roles of the executive and legislative branches and of non-governmental factors; evolution of changing assumptions, strategies, and goals; the nature of U.S. security requirements, U.S. military commitments abroad, and the cost of strategies based on weapons superiority, arms control, and disarmament.

Credit Hours: 3

Prerequisite Courses: PLS 220
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

PLS 424 - International Security

Investigates war and conflict at the international level and the different ways in which governments individually or collectively work to address the problem.

Credit Hours: 3

Prerequisite Courses: PLS 220
University Studies: Building Competencies/Writing Intensive, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

PLS 425 - International Politics

Students are provided with an overview of the current International system and introduced to the theories actors, their interactions, and the norms of the international system. The impact of the law and norms of international relations or international conflict are analyzed and debated.

Credit Hours: 3

Prerequisite Courses: PLS 220
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
University Studies: Building Competencies/Writing Intensive, Common Requirements/Critical Reasoning

Crosslisting: CMR 525
Course Repeatability: Course may not be repeated.

PLS 428 - Global Terrorism

Investigates the phenomenon of terrorism at the international and global level with particular empasis on why terrorism occurs, and on domestic level and international cooperative counterterrorism.

Credit Hours: 3

Prerequisite Courses: PLS 220
Course Repeatability: Course may not be repeated.

SOC 215 - Modern Social Problems

Contemporary social issues and conditions viewed as problematic, such as racism, sexism, crime, poverty, war, alienation, and deviance.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 325 - Racial and Ethnic Group Relations

An examination of race and ethnicity in modern societies and social, economic, and political inequalities among racial and ethnic groups. Major topics include political-economic causes and consequences of prejudice, racism and institutional discrimination; social history of intergroup relations in the United States; comparative intergroup relations.

Credit Hours: 3

Prerequisite Courses: SOC 105
University Studies: Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

Total: 21 hours

Small Business and Social Entrepreneurship Minor

The Minor in Small Business and Social Entrepreneurship prepares non-business students to

engage in entrepreneurial activities related to their major. The minor is particularly suited to students who are interested in developing or supporting an entrepreneurial venture related to their major. The minor is flexible and versatile enough to benefit any type of entrepreneurial interest ranging from the arts to the sciences, engineering, and beyond. Students are required to take five core courses for the minor and then they may ass two additional courses relevant to their major or area of interest.

Requirements for Minor in Small Business and Social Entrepreneurship:

The minor requires 21 credit hours of study with three required courses and two groups of electives (6 hours each) that can be geared toward the student's area of interest. Admission to the minor requires achieving a grade of 'C' or higher in EBD 280 OR EBD 282. The minor is open to all students outside the Cameron School of Business. Business majors, with the exception of students pursuing a Bachelor of Arts degree in Economics, are not eligible for the minor. With permission of the coordinator of the Small Business and Social Entrepreneurship minor, Electives

within this minor may be able to "double dip" up to two relevant courses taken for their major or another minor and taught by other departments across campus.

Fundamental Courses

These fundamental courses will introduce non-business students to the knowledge, skills, and resources they can use to leverage expertise from their major in order to begin or support entrepreneurial ventures. All students take the introductory course in entrepreneurship, either the general course (EBD 280) or the course geared toward the sciences and engineering (EBD 282), along with two entrepreneurial business courses (EBD 301 & EBD 302). Next students select two courses most relevant to their major to further develop their entrepreneurial acumen (EBD 281, EBD 303, EBD 304, EBD 354). Finally, students pick two elective courses related to their major. A list of courses particularly suited to this minor are listed, but alternate courses may be approved by the coordinator of the minor.

Required:

These fundamental courses will introduce non-business students to the knowledge, skills, and resources they can use to leverage expertise from their major in order to begin or support entrepreneurial ventures. All students take the introductory course in entrepreneurship, either the general course (EBD 280) or the course geared toward the sciences and engineering (EBD 282), along with two entrepreneurial business courses (EBD 301& EBD 302). Next students select two courses most relevant to their major to further develop their entrepreneurial accumen (EBD 281, EBD 303, EBD 304, EBD 354). Finally, students pick two elective courses related to their major. A list of courses particularly suited to this minor are listed, but alternate courses may be approved by the coordinator of the minor.

EBD 280 - Entrepreneurship for Non-Business Majors

Primary focus on the entrepreneurial mindset and the process for starting a business. Specific areas include the characteristics of successful entrepreneurs, profiles of successful new businesses, identifying and evaluating new business opportunities, and developing

the business plan. Social and developmental entrepreneurship are also addressed.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.

OR

EBD 282 - Entrepreneurship for the Sciences and Engineering

This course introduces non-business, scientifically-oriented students to the process of creating new ventures and entrepreneurship in engineering and science intensive industries, such as chemical, energy, materials, bioengineering, environmental, clean-tech, pharmaceuticals, medical and biotechnology. Students gain a good sense of the excitement, complexity, and challenges associated with the creation of new businesses, whether within an existing organization or in a startup environment. The focus is on new ventures that require long development times, large investments,

integration across a wide range of technical and non-technical disciplines, and the creation and protection of intellectual property. Teaching methods will include lectures, case studies, guest speakers and individual and team projects.

Additional Restrictions/Requirements: This course is for non-business majors and students in the BA Economics program. Students pursuing a BSBA in the Cameron School may not take this course.
Course Repeatability: Course may not be repeated.

EBD 301 - Entrepreneurial Finance for Non-Business Majors

Course provides students with the knowledge and skills necessary to manage cash as well as manage the necessary records in a small business. Topics include: calculating startup costs, running a monthly, quarterly and annual budget for a business, understanding the different sources of capital and how to obtain them, projecting income and what investors, lenders and grant organizations look for in an entrepreneurial venture. SBIR/STTR funding, financial analysis and record-keeping necessary to comply with federal, state,

and local tax law are also addressed.

Credit Hours: 3

Prerequisite or Corequisite Courses: EBD 280 OR EBD 282
Additional Restrictions/Requirements: This course is for non-business majors and students in the BA Economics program. Students pursuing a BSBA in the Cameron School may not take this course.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

EBD 302 - Managing & Marketing for Entrepreneurs

Focus on key organizational activities that facilitate the growth and management of an enterprise. Provides valuable information for effective marketing techniques designed to grow, compete, and sustain the business. Focus on managing human resources and the ability to strategically develop the business model as it progresses through growth phases. Focus on key organizational activities that facilitate the growth and management of an enterprise. Provides valuable

information for effective marketing techniques designed to grow, compete, and sustain the business. Focus on managing human resources and the ability to strategically develop the business model as it progresses through growth phases. Students will also learn successful exit strategies for a business. Leadership, management, positioning, legal strategies, sales strategies, and scaling strategy are also addressed.

Credit Hours: 3

Prerequisite or Corequisite Courses: EBD 280 OR EBD 282
Additional Restrictions/Requirements: This course is for non-business majors and students in the BA Economics program. Students pursuing a BSBA in the Cameron School may not take this course.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

Plus two courses from:

EBD 281 - Creativity and Innovation

Primary focus on the processes for fostering creativity and innovation. Emphasis on the creative process, creative problem solving, and intrapreneurship. Particular attention directed to the development of new products, services, processes, and business models.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

EBD 304 - Entrepreneurship in the Arts

This course will introduce and outline the role of "art" in various marketplaces, and how the emerging arts entrepreneur operates in society. Topics include how to position and market aesthetic products, the pricing of art products, understanding consumer behavior for aesthetic products, the modes of financing, and art patronage. Course will also examine the nature of art infrastructures, such as museums, festivals, and galleries, and the overall economics of the arts in modern society.

Prerequisite or Corequisite Courses: EBD 280 or

EBD 282
Course Repeatability: Course may not be repeated.

EBD 354 - Managing Innovation and Technology

Development and adoption of new technology in corporate operations. Attention directed to creating an environment that fosters continuous improvement through experimentation, innovation, and change. Topics include the nature of technology, its role in business strategy, technological forecasting, the creative process, organization and management of professional personnel, and project management techniques.

Credit Hours: 3

Additional Restrictions/Requirements: Admission to Cameron School of Business.
Crosslisting: MGT 354
Course Repeatability: Course may not be repeated.

Plus 6 hours from the list of courses below or others as approved by the coordinator of the minor

Students will ideally select their final two electives to match with their entrepreneurial interests or their major. The below list offers suggestions of courses in other disciplines that are entrepreneurial in nature. Students may select courses outside this list with approval from the coordinator of the minor. In the case of restricted courses, approval must be secured by the appropriate Department Chair. Students should confer with their academic advisors when determining the elective courses.

ACG 201 - Financial Accounting

An introduction to the basic framework of accounting for students majoring in accountancy or other disciplines. Includes preparation of financial records and external financial reports. Emphasis on the underlying accounting concepts and constraints. The lab for this course is ACGL 201.

Credit Hours: 3

Corequisite Courses: ACGL 201
Prerequisite Courses: MAT 111 or MAT 150 or MAT

Course Repeatability: Course may not be repeated.

ACGL 201 - Financial Accounting Lab

This course is the lab for ACG 201.

Credit Hours: 1

Corequisite Courses: ACG 201
Course Repeatability: Course may not be repeated.

ACG 203 - Managerial Accounting

An introduction to the concepts and techniques used by management to analyze and interpret accounting data in the organization.

Credit Hours: 3

Prerequisite Courses: ACG 201 and ACGL 201
Course Repeatability: Course may not be repeated.

AFN 130 - Introduction to Africana Studies

Interdisciplinary exploration of the collective experiences of the African Diaspora, which includes

Africans and people of African descent in various continents and countries in addition to the United States.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives, Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.

AFN 290 - Readings in Literatures of the African Diaspora

This course explores the literary expressions of Africans and peoples of African descent as they are found in the Caribbean, Latin America, and in the United States.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives, Approaches and Perspectives/Living in a

Global Society
Course Repeatability: Course may not be repeated.

ANT 303 - Culture and Gender

A cross-cultural study of gender in a selection of societies from African, American Indian, Asian, and Central and South American cultures.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in Our Diverse Nation, Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

ANT 329 - Environmental Justice Ethnography

Ethnographic survey of the emergence of social movements organized around environmental issues. Through the writings of cultural anthropologists, students learn how communities around the world threatened by environmental destruction seek justice, accountability, and sustainability. Environmental crises are analyzed in terms of globalization, structures of poverty, and human rights.

Credit Hours: 3

University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

ANT 330 - The Immigrant Experience

Through ethnographic accounts and personal narratives from a variety of global settings, the course examines the economic, social and political factors that prompt migration and explores the cultural adaptations, ethical questions, human rights issues, and public policy debates of immigration and resettlement.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in Our Diverse Nation, Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

ANT 460 - Poverty and Health: Critical Medical Anthropology Perspectives

Seminar survey of applied medical anthropology research on the health effects of extreme poverty. Through in-depth explorations of anthropologists working in public health settings around the world, students learn methods, theory, and critical issues of this subfield. Example target populations include farmworkers, immigrants, the homeless, refugees, and the working poor.

Credit Hours: 3

University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

ART 475 - Professional Practices

Preparation for graduate school, business practices, portfolio presentation, grant applications, publicity, and professional studio practice.

Credit Hours: 3

Additional Restrictions/Requirements: Junior or

senior standing.
Course Repeatability: Course may not be repeated.

ART 476 - Senior Exhibit

Topics include generating a coherent body of work; presentation solutions (matting, framing, pedestals, labels); writing an artist's statement and resume; curatorial decisions; promotion and installation of exhibition; discipline appropriate writing.

Credit Hours: 3

Additional Restrictions/Requirements: Senior standing, and course must be completed in the semester of graduation.
University Studies: Building Competencies/Writing Intensive, Building Competencies/Information Literacy, Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.

ART 498 - Internship In Art

Academic training and practical field experience through a program of work and study within an agency and/or setting related to the student's principal area of

interest. Faculty supervision and evaluation of all study and on-site activity. (A maximum of six credit hours may be applied toward the degree).

Credit Hours: 3 To 6

Additional Restrictions/Requirements: Junior or senior standing, minimum 3.00 GPA in the major and consent of chair.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

BIO 387 - Biological Impacts of Coastal Management

Overview of the impacts of coastal management efforts on species of concern and broader ecosystem dynamics. Exploration of how coastal activities and coastal management related to fisheries, aquaculture, shoreline processes, and water quality may directly and indirectly impact coastal ecosystem composition and

resiliency, populations of endangered species, and broader connections with the ocean foods webs.

Credit Hours: 3

Prerequisite Courses: BIO 201, BIO 202.
Additional Restrictions/Requirements: Junior or senior standing or consent of instructors
Course Repeatability: Course may not be repeated.

BIO 410 - Biotechnology

A survey of techniques used in biotechnology and application of these techniques for practical biomedical and environmental use. Topics include cloning, genetic engineering, PCR, RNAi, antibody technologies, vaccines, microarrays, bioremediation, biofuels, drug discovery and synthesis, gene therapy, transgenics, cloning, stem cells, forensics, and biowarfare.

Credit Hours: 3

Prerequisite Courses: BIO 335 or BIO 325.
Course Repeatability: Course may not be repeated.

BIO 466 - Conservation Biology

A scientific approach to the protection, maintenance, and restoration of biological diversity, including its ecological and evolutionary processes and total environment.

Credit Hours: 3

Prerequisite Courses: BIO 366 or BIO 362
Additional Restrictions/Requirements: Junior or senior standing.
Course Repeatability: Course may not be repeated.

BIO 480 - Field Studies in Biology

A research/experience-oriented field course offered in selected regional locales. Emphasis is placed on distribution, taxonomy, and ecology of animal and/or plant organisms. May be repeated under different subtitles.

Credit Hours: 1 To 6

Prerequisite Courses: BIO 201 and BIO 202
Additional Restrictions/Requirements: Prerequisite courses and consent of instructor. BIO 366 and credit

in advanced zoology or botany recommended.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

BLA 304 - Legal Issues in Film and Entertainment Law

A study of the legal issues impacting the film and entertainment industry including the legal aspects of business organization, contracts, torts, agency, employment law, environmental regulation, and intellectual property rights.

Credit Hours: 3

Additional Restrictions/Requirements: Junior or senior standing.
Crosslisting: FST 304
Course Repeatability: Course may not be repeated.

BLA 361 - Legal Environment of Business

Study of the organization and role of business enterprises in society and their relationships in

government. Examines how the legal environment is influenced by changing social and ethical values. Topics include agency, antitrust, forms of business organization, environmental regulation, equal opportunity, labor law, product liability, and property rights.

Credit Hours: 3

Additional Restrictions/Requirements: Junior or senior standing, or admission to the Cameron School of Business, or students in the Accountancy and Business Law minor, or consent of department chair.
Course Repeatability: Course may not be repeated.

CHM 291 - Introductory Research

Laboratory and computational research under faculty supervision beyond what is offered in existing courses.

Credit Hours: 1 To 3

Additional Restrictions/Requirements: Freshman, sophomore, junior, or senior standing and consent of instructor and department chair.

Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6

CHM 380 - Forensic Chemistry

Theory and applications of trace organics and metals analyses, fiber and polymer analyses, toxicology, serology, drug and DNA chemistry, fingerprinting techniques, and chain of custody procedures. The optional 3-hour laboratory (CHML 380) may be registered for separately.

Credit Hours: 3

Prerequisite Courses: CHM 211 and CHML 211
Course Repeatability: Course may not be repeated.

CHM 480 - Chemistry Education Research and Practice

Selected topics from chemistry education research. Focus on current research about learning theories, epistemology, representations of chemical structure, technology use in the chemistry classroom, and laboratories.

Credit Hours: 3

Prerequisite Courses: CHM 212
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Crosslisting: CHM 580
Course Repeatability: Course may not be repeated.

CHM 485 - Industrial and Polymer Chemistry

An overview of major industrial processes, the synthesis and significance of major industrial chemicals. Polymer chemistry to include synthesis, properties, and applications is covered. Some specialty topics such as pharmaceutical chemistry and agricultural chemistry are also briefly covered.

Credit Hours: 3

Prerequisite Courses: CHM 212 with a minimum grade of C
Course Repeatability: Course may not be repeated.

CHM 486 - Fundamentals of Heterocycles with Emphasis on Pharmaceuticals

Well over half of all known organic compounds and most pharmaceuticals are heterocyles (containing an atom other than C in the ring), yet their chemistry is hardly touched on in conventional courses. Topics include the nomenclature, properties, synthesis, and pharmaceutical applications of heterocycles.

Credit Hours: 3

Prerequisite Courses: CHM 212 with a minimum grade of C
Course Repeatability: Course may not be repeated.

CLR 301 - Introduction to Clinical Research

Provides overview of people, terminology, execution, and regulations involved in clinical research process. Focuses on phases of biopharmaceutical product development and protection of human subjects. Emphasis on FDA evaluation of new products for the pharmaceutical and biotechnology industries. Open to non-majors.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

CLR 310 - Clinical Research Writing and Communications

Examines principles and practice of scientific writing in clinical research field with emphasis on critical thinking, researching, and writing processes. Includes writing of such documents as standard operating procedures, proposals, literature reviews, short reports and letters.

Credit Hours: 3

Prerequisite or Corequisite Courses: CLR 301 with a C or better
Additional Restrictions/Requirements: Open only to students within the Clinical Research major or Clinical Research minor.
University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3
Major Restriction Restricted to Clinical Research

majors**Minor Restriction** Restricted to Clinical Research minors

CLR 330 - Fundamentals of Biopharmaceutical Product Development

This completely on-line course provides an overview of the development of pharmaceutical and biotechnology products for the marketplace. This course reviews the theoretical and practical aspects of the discovery of new entities, the preclinical process, chemistry manufacturing and controls (CMC), manufacturing and scale-up of candidate products, over-the-counter and generic drugs, production and stability of marketed products as well as the overall costs of drug development.

Credit Hours: 3

Prerequisite Courses: CLR 301 with a C or better
Additional Restrictions/Requirements: Open only to students within the Clinical Research major or Clinical Research minors.
Course Repeatability: Course may not be repeated.
Major Restriction Restricted to Clinical Research

majors**Minor Restriction** Restricted to Clinical Research minors

CLR 350 - Understanding Medical Terminology and Clinical Endpoints

Audio-visual approach to study of medical terminology, body systems, diagnostic procedures, and pharmacology. Emphasizes word construction, spelling, usage, comprehension, pronunciation, abbreviations. Applies terminology to clinical study endpoints commonly used to measure safety and efficacy of a biopharmaceutical product.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

CLR 420 - Regulatory Affairs

In-depth coverage of the requirements for worldwide marketing applications. Examination of the regulatory review process and regulatory agency interactions. Emphasis on late phase of clinical investigations and marketing considerations, including safety reporting.

Credit Hours: 3

Prerequisite Courses: CLR 301 with a C or better
Additional Restrictions/Requirements: Open only to students within the Clinical Research major or Clinical Research minor.
Course Repeatability: Course may not be repeated.
Major Restriction Restricted to Clinical Research majors**Minor Restriction** Restricted to Clinical Research minors

CLR 470 - The Business of Clinical Research

Examines financial aspects of clinical research spanning from individual studies to the business models supporting clinical research organizations. Focuses on contract research services, vendor management, study team labor costs, contracts and proposals. Disucsses accountability for study budgets at the individual level.

Credit Hours: 3

Corequisite Courses: CLR 497
Additional Restrictions/Requirements: Open to

Clinical Research majors only.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

COM 231 - Essentials of Integrated Marketing Communication

Exploration of advertising, public relations, promotions, events and experiential marketing, word-of-mouth marketing, and social media campaigns through an IMC framework. The IMC approach considers audience, research, messages, ethics, and the current cultural environment to provide the foundations of sound practice. Students also explore careers in this area and how those careers shape our world.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Major Restriction IMC Certificate

COM 271 - Communication, Collaboration and Effective Groups

Theory and practice of collaborative communication. Emphasis on learning to work effectively in face-to-face

and virtual groups. Focus on managing social and task dimensions of collaborative decision-making for problem solving and creative projects.

Credit Hours: 3

Additional Restrictions/Requirements: Restricted to sophomore or higher.
Course Repeatability: Course may not be repeated.

COM 272 - Introduction to Organizational Communication

Study of organizations and virtual organizations as systems created and sustained by communication processes. Topics include organizational analysis and development, diversity, leadership, culture, HR and issues relevant to the global and international marketplace.

Credit Hours: 3

Additional Restrictions/Requirements: PCOM or COM or permission of instructor.

Course Repeatability: Course may not be repeated.
Major Restriction PCOM or COM

COM 344 - Intercultural Communication

Theoretical and practical perspectives on communication effectiveness in dealing with people, groups, or organizations that are culturally different within and across national boundaries.

Credit Hours: 3

Prerequisite Courses: COM 105 with a grade of 'B' or better, or permission of instructor.
Additional Restrictions/Requirements: Restricted to Junior standing or higher.
University Studies: Approaches and Perspectives/Living in a Global Society, Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.

COM 346 - Interracial Communication

Explores communicative behaviors between individuals from various racial and ethnic groups and contextual dynamics unique to such interactions. Approaches to

enhancing the content and quality of interracial relationships are also examined.

Credit Hours: 3

Additional Restrictions/Requirements: PCOM or COM Majors, or permission of instructor.
Course Repeatability: Course may not be repeated.
Major Restriction PCOM and COM Majors

COM 378 - Business and Professional Communication

Develop and refine communication skills in business environments and other professional settings. Topics include written correspondence, selection and use of communication technologies, delivery of mediated messages, and the design and delivery of professional presentations.

Credit Hours: 3

Prerequisite Courses: COM 101.
Additional Restrictions/Requirements: COM majors or Entrepreneurship minors, or permission of instructor.

University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.
Major Restriction COM Majors Only**Minor Restriction** Entrepreneurship

COM 439 - Integrated Marketing Communication Practicum: Pier601

Applied learning experience in a student-run integrated marketing communication (IMC) firm. Students research, plan, create, and execute IMC and media production projects and are responsible for promoting the Pier601 brand, meeting client needs, and identifying new clients. Emphasizes collaboration, responsibility, cross-functional teams, professional and ethical standards and norms.

Credit Hours: 3

Additional Restrictions/Requirements: Permission of instructor. Up to 9 credits applied to total credit hours, but a maximum of 3 credit hours will be applied to COM Studies major or Integrated Marketing Communication (IMC) certificate requirements.

University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 9 **Repeat Limit:** 2
Major Restriction COM Majors or Integrated Marketing Communication (IMC) Certificate

CRW 305 - The Creative Process

Investigation through reading, lectures, discussions, writing, and exercises of the creative process in general and its particular application to literary art. Readings include studies of the creative process in a variety of other disciplines.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: CRW 207 or CRW 208 or CRW 209, or consent of instructor.
Course Repeatability: Course may not be repeated.

CRW 318 - Screenwriting I: Introduction to Screenwriting

Theory and practice of screenwriting an emphasis on the fundamentals of narrative structure. Students write original scripts, including a short screenplay for possible use in FST 495.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: FST 201; or prerequisite:CRW 207 or CRW 208 or CRW 209; or consent of instructor.
Additional Restrictions/Requirements: Restricted to PCRW or CRW majors.
Crosslisting: FST 318
Course Repeatability: Course may not be repeated.

CRW 321 - Introduction to Book Publishing

Introduction to the culture and commerce of books. Examines the life cycle of a book; the people and processes involved in book publishing including editorial practice and the issues involved in editorial decision-making; and the business, economics, and ethics of the publishing industry. Engagement in a variety of publishing activities, such as a book proposal and mock book auction.

Credit Hours: 3

Prerequisite Courses: CRW 201
University Studies: Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

CSC 351 - Applied Software Security

Introduction to the development of secure software applications. Consideration of software vulnerability analysis, secure programming best practices, overflows, input sanitization, password security, command injection, database development, and web application development and vulnerabilities. Design, analysis, and implementation of a secure web application.

Credit Hours: 3

Prerequisite Courses: CSC 231 with a grade of C or better, or CYBR 251 with a grade of C or better, or instructor approval.
Course Repeatability: Course may not be repeated.

CSC 365 - Client-Side Web Development

Development of applications for the World Wide Web focusing on client-side languages. Introduction to current principles, standards, and best practices in website design, usability, accessibility, and management through project-based skills. Development in standards-compliant markup, styling, and scripting, including web services programming.

Credit Hours: 3

Prerequisite Courses: CSC 231 or permission of instructor.
Course Repeatability: Course may not be repeated.

CSC 385 - Professional and Ethical Issues in Computing

Professional and ethical issues arising from the impact of computer science and related technologies on society. Topics include ethical issues, obligations of professional practice, privacy and security, intellectual property, work and health issues, and the impact of emerging technologies. Students give both oral and written presentations and discuss case studies.

Credit Hours: 3

Prerequisite Courses: ENG 101, and (CSC 131 with a minimum grade of "C").
Additional Restrictions/Requirements: Junior or senior standing in computer science or information technology or Digital Arts or Software Engineering
University Studies: Building Competencies/Writing Intensive, Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.
Major Restriction Computer Science or Information Technology or Digital Arts or Software Engineering**Minor Restriction** Computer Science or Information Technology or Digital Arts or Software Engineering

CSC 424 - Security Tools Engineering

Design and implementation of software solutions to achieve security goals using data captured on computer systems and networks. Topics include advanced network forensics, network defense tools and principles, and advanced intrusion detection and prevention implementations.

Credit Hours: 3

Prerequisite Courses: (CSC 231 with a C or better or CYBR 251 with a C or better) and (CSC 344 or MIS 320)
Crosslisting: CYBR 424.
Course Repeatability: Course may not be repeated.

EBD 280 - Entrepreneurship for Non-Business Majors

Primary focus on the entrepreneurial mindset and the process for starting a business. Specific areas include the characteristics of successful entrepreneurs, profiles of successful new businesses, identifying and evaluating new business opportunities, and developing the business plan. Social and developmental entrepreneurship are also addressed.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and

Behaviors
Course Repeatability: Course may not be repeated.

EBD 281 - Creativity and Innovation

Primary focus on the processes for fostering creativity and innovation. Emphasis on the creative process, creative problem solving, and intrapreneurship. Particular attention directed to the development of new products, services, processes, and business models.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

EBD 282 - Entrepreneurship for the Sciences and Engineering

This course introduces non-business, scientifically-oriented students to the process of creating new ventures and entrepreneurship in engineering and science intensive industries, such as chemical, energy, materials, bioengineering, environmental, clean-tech, pharmaceuticals, medical and biotechnology. Students gain a good sense of the excitement, complexity, and challenges associated with the creation of new

businesses, whether within an existing organization or in a startup environment. The focus is on new ventures that require long development times, large investments, integration across a wide range of technical and non-technical disciplines, and the creation and protection of intellectual property. Teaching methods will include lectures, case studies, guest speakers and individual and team projects.

Additional Restrictions/Requirements: This course is for non-business majors and students in the BA Economics program. Students pursuing a BSBA in the Cameron School may not take this course.
Course Repeatability: Course may not be repeated.

EBD 301 - Entrepreneurial Finance for Non-Business Majors

Course provides students with the knowledge and skills necessary to manage cash as well as manage the necessary records in a small business. Topics include: calculating startup costs, running a monthly, quarterly and annual budget for a business, understanding the different sources of capital and how to obtain them, projecting income and what investors, lenders and

grant organizations look for in an entrepreneurial venture. SBIR/STTR funding, financial analysis and record-keeping necessary to comply with federal, state, and local tax law are also addressed.

Credit Hours: 3

Prerequisite or Corequisite Courses: EBD 280 OR EBD 282
Additional Restrictions/Requirements: This course is for non-business majors and students in the BA Economics program. Students pursuing a BSBA in the Cameron School may not take this course.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

EBD 302 - Managing & Marketing for Entrepreneurs

Focus on key organizational activities that facilitate the growth and management of an enterprise. Provides valuable information for effective marketing techniques designed to grow, compete, and sustain the business. Focus on managing human resources and the ability to strategically develop the business model as it

progresses through growth phases. Focus on key organizational activities that facilitate the growth and management of an enterprise. Provides valuable information for effective marketing techniques designed to grow, compete, and sustain the business. Focus on managing human resources and the ability to strategically develop the business model as it progresses through growth phases. Students will also learn successful exit strategies for a business. Leadership, management, positioning, legal strategies, sales strategies, and scaling strategy are also addressed.

Credit Hours: 3

Prerequisite or Corequisite Courses: EBD 280 OR EBD 282
Additional Restrictions/Requirements: This course is for non-business majors and students in the BA Economics program. Students pursuing a BSBA in the Cameron School may not take this course.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

EBD 304 - Entrepreneurship in the Arts

This course will introduce and outline the role of "art" in various marketplaces, and how the emerging arts entrepreneur operates in society. Topics include how to position and market aesthetic products, the pricing of art products, understanding consumer behavior for aesthetic products, the modes of financing, and art patronage. Course will also examine the nature of art infrastructures, such as museums, festivals, and galleries, and the overall economics of the arts in modern society.

Prerequisite or Corequisite Courses: EBD 280 or EBD 282
Course Repeatability: Course may not be repeated.

EBD 354 - Managing Innovation and Technology

Development and adoption of new technology in corporate operations. Attention directed to creating an environment that fosters continuous improvement through experimentation, innovation, and change. Topics include the nature of technology, its role in business strategy, technological forecasting, the creative process, organization and management of

professional personnel, and project management techniques.

Credit Hours: 3

Additional Restrictions/Requirements: Admission to Cameron School of Business.
Crosslisting: MGT 354
Course Repeatability: Course may not be repeated.

EBD 482 - Global Entrepreneurship and Exporting

Primary focus on entrepreneurial activities within the international arena. Particular attention on the mechanisms of international entry modes, import and export management, licensing mechanisms, international financing, the impact of globalization, identifying business opportunities, risk assessment, legal and accounting implications of international activities, and international intellectual protection processes. Upon completion of this course, students will be qualified to take the Certified Global Business Professional (CGBP) exam.

Credit Hours: 3

Prerequisite Courses: INB 300
Additional Restrictions/Requirements: Prerequisite course and admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.

ECN 221 - Principles of Economics-Micro

Analysis of decision-making processes and economic equilibrium for the individual firm and consumer at an introductory level.

Credit Hours: 3

Prerequisite Courses: MAT 111 or MAT 150 or MAT 151 or MAT 160 or MAT 161
University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

ECN 222 - Principles of Economics-Macro

Aggregate economic analysis examining the effects of fiscal and monetary policy upon aggregate employment, income and prices at an introductory level.

Credit Hours: 3

Prerequisite Courses: ECN 221
University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.

EGN 210 - Engineering Economic Analysis

This course is focused on engineering and managerial decision making. Topics will include the theory of interest; equivalent annual costs; present worth; internal rates of return; benefit/cost ratios. Techniques in cost minimization models and sensitivity analysis will be developed in the context of engineering examples.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

EGN 430 - Coastal Structures

Examine the functional design of coastal structures distinguishing between groins, jetties, seawalls, breakwaters, revetments and bulkhealds. Hydraulic design and structural stability as a result of breaking and non-breaking wave loading are also covered. In addtion, students examine the materials used and cost implications of coastal structures.

Credit Hours: 3

Prerequisite Courses: EGN 301 (C- or better) and EGN 330 (C- or better).
Course Repeatability: Course may not be repeated.

EGN 498 - Internship in Engineering

Practical experience and academic training in the student's principal area of interest. Joint supervision and evaluation by a engineering faculty member and an on-site supervisor.

Additional Restrictions/Requirements: Junior or senior standing, overall GPA of at least 2.50 and a GPA in EGN courses of at least 2.80. Students must be

pre-approved by the faculty supervisor, department chair and dean.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6 **Repeat Limit:** 1

ENG 204 - Introduction to Professional Writing

An introductory survey of concepts in professional writing, including audience analysis, research methods, visual thinking, and composing processes. Includes a service-learning component.

Credit Hours: 3

University Studies: Building Competencies/Writing Intensive, Building Competencies/Information Literacy, Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.

ENG 308 - Grant and Proposal Writing

Study of grant and proposal writing for use in non-profit organizations, educational settings, and businesses. Emphasis on research methods, planning, developing funding relationships, and writing collaboratively. Includes a service-learning component.

Credit Hours: 3

University Studies: Building Competencies/Writing Intensive, Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.

ENG 309 - Technical Editing

Focus on the fundamentals of effective writing, organization, and design in order to develop the language and proficiencies necessary to edit print and digital texts used in a range of organizations.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 204, or consent of instructor.
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
University Studies: Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

ENG 310 - Editing for Journalism and Mass Media

Instruction in revising, editing and copy editing. Techniques and strategies for getting prose ready for publication. Extensive practice in editing.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 204, or consent of instructor.
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
University Studies: Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

ENG 312 - Writing Strategies for Business and Innovation

Advanced exploration of research and writing skills needed to plan and design texts for diverse audiences within organizational contexts. Projects include business plans, proposals, reports, and other genres developed using a variety of media. Includes instruction in graphically representing data and using social media for research and/or outreach.

Credit Hours: 3

University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

ENG 314 - Digital Composing

Study of the intersection between writing and technology, including Web page creation, documentation, usability, desktop publishing, and the use of graphics with text.

Credit Hours: 3

Prerequisite Courses: ENG 204 or ENG 205 or permission of instructor.
University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

ENG 319 - Document Design

Study of effective design of print and electronic documents. Emphasis on browsing patterns, usability, the interaction of text and graphics, and visual rhetoric.

Includes a service-learning component.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 204, or consent of instructor.
University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

EVS 325 - Environmental Economics

Application of basic economic principles to help understand environmental problems and evaluate alternative solutions. Economic principles used to analyze fundamental environmental issues such as property rights, externalities, conservation, public good, environmental protection, natural resource damage assessment, and pollution control. Specific focus on methods for non-market valuation.

Credit Hours: 3

Prerequisite Courses: ECN 125 or ECN 221

Crosslisting: ECN 325
Course Repeatability: Course may not be repeated.

EVS 330 - Natural Resource Economics

Economic principles developed and applied to evaluate public and private decisions involving the use and allocation of natural resources. Optimal control theory developed and applied to the management of natural resources. Attention to specific resource management areas such as forests and fisheries. Feasibility of alternatives for public policy.

Credit Hours: 3

Prerequisite Courses: ECN 125 or ECN 221
Crosslisting: ECN 330
Course Repeatability: Course may not be repeated.

EVS 424 - Environmental Nonprofit Organizations

Introduction to the unique issues facing environmental nonprofit organizations when addressing wicked problems in conservation, sustainability, and environment. Practical application and examination of

real-world case studies provides a foundation to examine best practices in outreach, education, systems thinking, and adaptive management from local and global frameworks in environmental nonprofit organizations.

Credit Hours: 3

Additional Restrictions/Requirements: Junior/Senior standing required or permission of instructor.
Course Repeatability: Course may not be repeated.

EVS 466 - Sustainable Tourism

Introduction to concepts and principles of sustainable tourism development, emphasizing implications for management and planning. Cases from the U.S. and around the world are used to examine and discuss issues and practices of sustainable tourism development within different geocultural contexts.

Credit Hours: 3

Additional Restrictions/Requirements: Junior or

senior standing, or permission of instructor.
Course Repeatability: Course may not be repeated.

EVS 476 - Topics and Issues in Sustainability

Study of fundamental concepts related to a sustainable society including current global and local issues. Focus on environmental topics (energy, water, climate, soil, forests, food, and population) with consideration of current social and economic issues. Additional Course Fees: Student Blanket Professional Liability Insurance.

Credit Hours: 3

Prerequisite Courses: EVS 195 and EVSL 195
Additional Restrictions/Requirements: Prerequisite courses or consent of the instructor.
Course Repeatability: Course may not be repeated.

EVS 490 - Environmental Community Engagement

Introduction to the role of environmental agencies in the community. Requires 40 hours of volunteer time directed toward helping the mission of the environmental agency. Additional liability insurance

expense may be necessary.

Credit Hours: 1

Additional Restrictions/Requirements: Must be Environmental Science minor or Sustainability minor.
Course Repeatability: Course may not be repeated.
Additional Course Fees: Student Blanket Professional Liability Insurance

FIN 335 - Principles of Financial Management

An introduction to the finance function of business enterprise and to the analytical techniques used in making investment and financing decisions.

Credit Hours: 3

Prerequisite Courses: Prerequisite ACG 201, ECN 222 and (BAN 280 or STT 215); or prerequisite STT 315 and corequisite MAT 381.
Course Repeatability: Course may not be repeated.

FRH 304 - French for the Professions

Intensive study of specialized vocabulary, real-life situations, and cultural differences that play an important role in commerce with the Francophone world. Extensive use of authentic materials and translation; oral and written reports.

Credit Hours: 3

Prerequisite Courses: FRH 202 or placement by exam.
Additional Restrictions/Requirements: Permission of instructor.
University Studies: Approaches and Perspectives/Living in a Global Society, Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

FRH 319 - Introduction to the Francophone World

An exploration of the diverse regions of the French-speaking world through the study of current cultural, literary, social, and linguistic issues.

Credit Hours: 3

Prerequisite Courses: FRH 301 or FRH 302 or FRH 303 or placement by exam.
Additional Restrictions/Requirements: Permission of instructor.
University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives, Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

FRH 404 - Advanced French for the Professions

Advanced work in uses of French in various professional settings, including diplomacy, international affairs, global development organizations, medical professions, film and fashion industries, culinary arts, and others. Emphasis on research of professional organization in the Francophone world, individual and/or group presentations, and written reports specific to each profession. Content may vary to address individual needs.

Credit Hours: 3

Prerequisite Courses: FRH 301 or FRH 302 or FRH

303 or placement by exam
Additional Restrictions/Requirements: Permission of instructor.
University Studies: Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

FRH 412 - The Francophone World

Study of representative literary and non-literary texts, films and sound recordings from French-speaking cultures in North America, the Caribbean, Africa, Asia, and elsewhere. Oral and written reports.

Credit Hours: 3

Prerequisite Courses: FRH 301 or FRH 302 or FRH 303 or placement by exam
Additional Restrictions/Requirements: Permission of the instructor.
University Studies: Building Competencies/Writing Intensive, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

FST 204 - The Business of Film

Introduction to business aspects of the motion picture industry, including the life cycle of a film product from development through distribution and marketing. Emphasis on decisions regarding creative development, financing, legal issues, budgeting, scheduling, marketing, and exhibition.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

FST 304 - Legal Issues in Film and Entertainment Law

Study of the legal issues impacting the film and entertainment industry, including the legal aspects of business organization, contracts, torts, agency, employment law, environmental regulation, and intellectual property rights.

Credit Hours: 3

Additional Restrictions/Requirements: Junior or senior standing.

Crosslisting: BLA 304
Course Repeatability: Course may not be repeated.

FST 398 - Practicum in Film Production

Selected topics in film production. May be repeated under different subtitles.

Credit Hours: 1 To 3

Prerequisite Courses: FST 201
Additional Restrictions/Requirements: Restricted to FST major or consent of instructor.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

FST 451 - Film Festival and Conference Management

Plan, market, and manage a film festival and conference.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite:FST 201 and FST 205, and permission of department chair.
Course Repeatability: Course may not be repeated.
Repeat Limit: 1

INB 300 - International Business

Survey course of the importance of global issues as firms attempt to compete across the world. Key topics include: anticipating and preparing for global competition, understanding international trade theory and differences in political economies, reviewing global and regional economic integration, considering international market entry processes, and examining key cross-cultural issues affecting business operations.

Credit Hours: 3

Prerequisite Courses: ECN 222
Additional Restrictions/Requirements: Junior or senior standing, prerequisite course, or admission to the Cameron School of Business.
University Studies: Approaches and Perspectives/Living in a Global Society, Common

Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

MGT 350 - Principles of Management

Study of theories, research and concepts underlying the structure and processes of complex organizations. Emphasis on problem solving issues and applications in organization design, leadership, motivation and interpersonal communications.

Credit Hours: 3

Additional Restrictions/Requirements: Sophomore standing or admission to the Cameron School of Business.
University Studies: Approaches and Perspectives/Living in Our Diverse Nation, Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.

MGT 351 - Green Business and Sustainable Enterprise

Examination of green business and sustainable enterprise from multiple perspectives. Emphasis on how organizations create a sustainable focus in their productive activities and successfully compete in the eco-friendly marketplace. Particular attention directed to regulatory trends that impact green enterprises, the development of sustainable technologies, and the management of entrepreneurial efforts in green industries.

Credit Hours: 3

Additional Restrictions/Requirements: Junior Standing
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

MKT 248 - Sales Essentials

Examination of the theory and practice of sales skills designed to provide a professional foundation to students who will be involved in professional selling careers. Includes fundamentals of professional selling with an emphasis on self-confidence, persuasive presentation of ideas and products, customer

orientation, and other selling behaviors. Familiarize students with the role of selling in the promotional mix, practice presentation skills to be successful in professional selling, overcome objections, and close the sale.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

MKT 340 - Principles of Marketing

Introduction to the concepts, activities and decisions that relate to the marketing function in domestic and international business. Focus on development and implementation of marketing strategies through the use of marketing mix variables of product, price, distribution, and promotion.

Credit Hours: 3

Additional Restrictions/Requirements: Sophomore standing or admission to the Cameron School of Business.
Course Repeatability: Course may not be repeated.

MUS 381 - Music Entrepreneurship

A survey of the history and practices of the music industry, with an emphasis on evolving practices, emerging opportunities, and innovation in career planning, as well as methods and practices of artist representation and self-promotion.

Credit Hours: 3

Additional Restrictions/Requirements: Consent of instructor.
Course Repeatability: Course may not be repeated.

MUS 382 - Music Industry

A survey of the structures, economics, and operations of the recording industry; music publishing and distribution systems; intellectual property; and issues related to live music performance, with an emphasis on copyright law, contracts, and licensing, as well as marketing and promotional strategies of major and independent record labels, music publishers, and various media.

Credit Hours: 3

Prerequisite Courses: MUS 381
Course Repeatability: Course may not be repeated.

OCN 479 - Smart Coasts

Advanced design and analysis of Smart Coastal monitoring systems and datasets. Study and application of the techniques used to observe coastal dynamics in near real time and provide not just data but also distilled information for research, operational, and educational uses.

Credit Hours: 2

Prerequisite Courses: OCN 350.
Course Repeatability: Course may not be repeated.

PLS 360 - Introduction to Nonprofit Management

Covers management fundamentals in the nonprofit sector. Selected topics include governance, human relations, financial management, public relations and fundraising.

Credit Hours: 3

University Studies: Explorations Beyond the Classroom/Certified Internship Program
Course Repeatability: Course may not be repeated.

PLS 361 - Nonprofit Resource Development

Examines the range of ways for nonprofit organizations to raise funds from individuals, government, foundations, and corporations. Major theoretical foundations of fund development, general fundraising principles, donor market segregation, fundraising techniques, and key aspects of managing the fundraising process.

Credit Hours: 3

University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.

REC 375 - Leadership and Management in Tourism, Recreation, and Sport

Principles and practices of contemporary leisure service management, particularly the effective and efficient management of human, fiscal, informational, and physical resources through planning, organizing, directing, leading, and controlling decisions. Tutorials, case studies, and computer applications.

Credit Hours: 3

Prerequisite Courses: REC 265 and REC 270.
Additional Restrictions/Requirements: REC majors and minors only or permission of instructor.
University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

REC 381 - Meetings, Expositions, Special Events and Conventions

An overview of the convention, exposition, meeting, and convention and visitors bureau industries and the career options within; provision of an essential understanding of the components involved in the operation of successful meetings, conventions, and

special events.

Credit Hours: 3

Additional Restrictions/Requirements: REC majors and minors only or permission of instructor.
Course Repeatability: Course may not be repeated.
Major Restriction REC**Minor Restriction** REC

REC 392 - Organization and Leadership of Recreational Sports

Emphasis on the development of practical leadership skills, provided in a framework for understanding leadership dynamics. Evaluation and assessment of various leadership methods and techniques. Field work required.

Credit Hours: 3

Prerequisite Courses: REC 265
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

REC 452 - Hospitality Management Operations

Analysis and evaluation of the operations behind management within the tourism and hospitality industries, specifically within food and beverage, transportation providers, attractions, tour operators and specialized tour segments such as the cruise industry and gaming.

Credit Hours: 3

Additional Restrictions/Requirements: Open only to students in the REC major and minor or with permission of instructor.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

REC 453 - Hotel and Lodging Management

Decision making, analysis and process improvement in managing the major divisions of a lodging establishment.

Credit Hours: 3

Prerequisite Courses: REC 375
Additional Restrictions/Requirements: REC majors

and minors only or permission of instructor.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 260 - Poverty Studies

Examination of the nature and extent of poverty in the United States. Discussion of poverty measurement, characteristics, poverty population, international comparisons, underlying causes of poverty and government programs and policies that address poverty.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in Our Diverse Nation, Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 315 - Urban Sociology

Analysis of the history and development, social organization, and problems of the city.

Credit Hours: 3

Prerequisite Courses: SOC 105
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 320 - Rural Sociology

An examination of the issues and perspectives in rural sociology. Multiple sociological aspects of rural life will be explored focusing on gender, race, social class and social change.

Credit Hours: 3

Prerequisite Courses: SOC 105
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 325 - Racial and Ethnic Group Relations

An examination of race and ethnicity in modern societies and social, economic, and political inequalities among racial and ethnic groups. Major topics include

political-economic causes and consequences of prejudice, racism and institutional discrimination; social history of intergroup relations in the United States; comparative intergroup relations.

Credit Hours: 3

Prerequisite Courses: SOC 105
University Studies: Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 340 - Organizations in Modern Society

An introduction to the dynamics of social life in large-scale organizations. Topics include organizational social psychology, organizational structure and process, and organization-community relations.

Credit Hours: 3

Prerequisite Courses: SOC 105
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 486 - Sociology of Work and Occupations

Analysis of the place of work in society. Examines occupational structures as the primary link between persons and the larger society. Topics include the growth and development of occupational structure, occupations and technological change, and organizational complexity.

Credit Hours: 3

Prerequisite Courses: SOC 105
Additional Restrictions/Requirements: Prerequisite course and three additional hours in sociology or economics.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SPN 310 - Business Spanish

Designed for students who need familiarization with the terminology necessary for the fields of economics, business, accounting, natural sciences and others. Business correspondence in Spanish and the currency systems of the Spanish-speaking countries are included.

Credit Hours: 3

Prerequisite Courses: SPN 305 with a minimum grade of C
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SPN 311 - Spanish Civilization

Geographical, historical and cultural aspects of Spain.

Credit Hours: 3

Prerequisite Courses: SPN 305 with a minimum grade of C
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SPN 312 - Spanish-American Civilization

Geographical, historical, and cultural aspects of Spanish America.

Credit Hours: 3

Prerequisite Courses: SPN 305 with a minimum grade of C
University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SPN 323 - Introduction to US Latino Literature and Culture

Selected readings from the literature of Latino communities in the United States; emphasis on textual analysis and criticism in classroom discussions; oral and written reports.

Credit Hours: 3

Prerequisite Courses: SPN 305 with a minimum grade of C
University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives, Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SPN 411 - Topics in Spanish Civilization

Advanced study in geographical, historical, and cultural aspects of Spain. Topics focus on specific time periods, geographic areas, or cultural phenomena. May be repeated under a different subtitle.

Credit Hours: 3

Prerequisite Courses: SPN 311 with a grade of 'C' or better.
University Studies: Building Competencies/Writing Intensive, Building Competencies/Information Literacy
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6 **Repeat Limit:** 1

SPN 412 - Topics in Spanish-American Civilization

Advanced study in geographical, historical, and cultural aspects of Spanish America. Topics focus on specific time periods, geographic areas, or cultural phenomena. May be repeated under a different subtitle.

Credit Hours: 3

Prerequisite Courses: SPN 312 with a grade of C or better
University Studies: Approaches and Perspectives/Living in a Global Society, Building Competencies/Information Literacy, Critical Reasoning
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6 **Repeat Limit:** 1

STT 412 - Applied Regression and Correlation

Review of elementary statistics; linear and multiple regression; correlation. Statistical software packages used as appropriate in problem solving.

Credit Hours: 3

Prerequisite Courses: MAT 335
Additional Restrictions/Requirements: Any elementary statistics course.
Course Repeatability: Course may not be repeated.

SWK 316 - Generalist Social Work in Rural Communities

A survey of rural community life, its institutions, value systems, customs, and their implications for social work

practice. Issues dealing with migrant workers and Native American cultures.

Credit Hours: 3

Prerequisite Courses: SWK 235
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SWK 320 - Human Behavior and the Social Environment I

Perspectives on human development and behavior in diverse contexts, including: culture, oppression, poverty, gender, ethnicity, physical and social settings. Implications for social work practice and policies. Prenatal Through Adolescence.

Credit Hours: 3

Corequisite Courses: SWK 240 and SWK 355, and SWKL 240, each with a grade of 'C' or better.
Prerequisite or Corequisite Courses: SWK 235 with a grade of 'C' or better.
Additional Restrictions/Requirements: Restricted to

BSW majors main campus and/or extension site. Students must earn a "C" or better in each SWK course in order to progress in the program.
University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

SWK 443 - Social Work Practice with Communities and Organizations

Knowledge, values, and skills common to social work practice at the community and organizational levels. Principles of social planning, community development, and social action. Topics include needs assessment, program planning and development, organizational change and program evaluation.

Credit Hours: 3

Corequisite Courses: SWK 321 and SWK 396.
Prerequisite Courses: SWK 240 and SWK 320.
Additional Restrictions/Requirements: Restricted to BSW majors, main campus and/or extension site. Students must earn a "C" or better in each SWK course

in order to progress in the program.
Course Repeatability: Course may not be repeated.

THR 309 - History of Fashion

Exploration of the changes in silhouette and fabrication of clothing from ancient Greece to today. Special emphasis on the social and cultural consequences of fashion in different societies.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

THR 380 - Stage Management

The techniques used by professionals for the managment of theatrical and performance events. Students will learn organizational and leadership skills necessary for being sucessful stage managers.

Credit Hours: 3

Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 3

THR 381 - Theatre Management

An introduction to the theory and art of managment in the American theatre. Basic principles of business practices and relate them to theatre management. Examines the various types of theatre organizations and production methods.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

THR 395 - Applied Studies in Theatre

A broad study of topics within the theatre discipline, such as advanced design and technology, history of theatrical design, dramatic criticism, advanced directing, advanced playwriting, and stage management. May be repeated under a different subtitles.

Credit Hours: 3

Prerequisite Courses: THR 165
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

In the case of restricted classes, approval must be secured by the appropriate Department Chair. Students may choose any of the optional courses to meet the 6 hours; however students are encouraged to choose courses that constitute a focus, e.g. entrepreneurship in the Arts, in Science, in Technology as examples. Students should confer with academic advisors when determining a cluster of the three courses. Students must earn a C- or above in all classes in the minor.

Total Credit Hours: 21

Sociology Minor

Admission Requirements

Current UNCW Undergraduate Students

- See University Admission Requirements

Requirements for a Minor in Sociology:

Core Course (3 Credit Hours)

SOC 105 - Introduction to Sociology

Introduction to the scientific study of human society and social behavior.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

Additional Courses (18 Credit Hours)

- 18 additional hours of sociology courses

Total: 21 hours

Additional Information:

A maximum of 6 hours below the 300 level (including SOC 105) may be used to satisfy the above requirements. Also, an overall grade point average of "C" (2.00) or better is required among sociology courses used to satisfy the minor.

Spanish Minor

Admission Requirements

Current UNCW Undergraduate Students

- See University Admission Requirements

Requirements for a Minor in Spanish

Completion of a minimum of 21 hours at the 200 level and above. Of these, at least 15 hours must be at the 300 level or higher. A grade of "C-"or better is required in each course counted toward the minor and a "C" (2.00) average or better for all courses counted towards the minor.

Courses (21 Credit Hours)

Completion of a minimum of 21 hours at the 200 level and above. Of these, at least 15 hours must be at the 300 level or higher.

Total Credit Hours: 21

Statistics Minor

Requirements for a Minor in Statistics:

STT 215 - Introduction to Statistics

Methods of data collection; numerical and graphical analyses of univariate and bivariate data; axioms of probability; conditional probability; independence; distributions of random variables; introduction to confidence intervals and hypothesis testing; simple linear regression and correlation; use of statistical software to analyze data and simulate random variables.

Credit Hours: 3

University Studies: Foundations/Mathematics and Statistics
Course Repeatability: Course may not be repeated.

DSC 303 - R for Data Science

Introduction to data science with an overview of the basic techniques for making informed, data-driven decisions using the R statistical software. Students learn the basics of R programming and use it to visualize, wrangle, manipulate, and explore data of many types and sizes.

Prerequisite Courses: STT 215, or PSY 225, or BAN

280
Course Repeatability: Course may not be repeated.

Or

STT 303 - R for Data Science

Introduction to data science with an overview of the basic techniques for making informed, data-driven decisions using the R statistical software. Students learn the basics of R programming and use it to visualize, wrangle, manipulate, and explore data of many types and sizes.

Prerequisite Courses: STT 215, or PSY 225, or BAN 280
Course Repeatability: Course may not be repeated.

Or

STT 305 - Statistical Programming

Introduction to statistical programming in SAS with emphasis on data step programming; applications to data management and report generation, simulation, graphical and numerical analysis of univariate and multivariate data. Comparison of current statistical software.

Credit Hours: 3

Prerequisite Courses: STT 215
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

- at least 12 additional hours in statistics at the 300-400 level.

Total: 18 hours in statistics

Additional Information:

An overall quality point average of "C" (2.00) or better is required for all courses counted toward the minor.

Studio Art Minor

Studio Art Minor introduces students to Studio Art practice with a foundational understanding of art-making and an opportunity to further explore an area of interest.

Requirements for a Minor in Studio Art

Core Courses (9 Credit Hours)

ART 101 - Two-Dimensional Design

Study of the principles of two-dimensional design and introduction to color theory.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

ART 102 - Three Dimensional Design

Introduction to concepts of three-dimensional design. Focus on the elements, principles, and basic construction of three dimensional form.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

ART 111 - Drawing Fundamentals

Fundamentals of drawing; investigation of processes and visual concepts with emphasis on charcoal.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

Elective Courses (15 Credit Hours)

- 15 hours chosen from 200-400 level ART courses.
- At least 6 hours must be 300-400 level.

Total Credit Hours: 24

Additional Information

No more than 3 hours of ART 491 or 3 hours of ART 498 may be counted towards the minor. A grade of "C" (2.00) or better is required for each course counted toward the minor.

Sustainability Minor

Program coordinator: Dr. Huili Hao

The Department of Environmental Sciences offers an interdisciplinary minor in Sustainability. The minor examines the interconnected nature of environmental stewardship, economic stability, and personal and social responsibility necessary to achieve a sustainable future.

Requirements for a Minor in Sustainability

A minor in sustainability requires a total of 23 credit hours with a minimum overall quality point average of

"C" (2.00) in courses counted. Students may select any EVS numbered courses not used in the core requirements as an elective. A minimum of 9 hours must be at the 300-400 level. A maximum of 12 credit hours counted toward a student's major will be counted toward completion of the core and/or elective minor requirements in sustainability. Students selecting the minor are strongly encouraged to meet with an environmental studies advisor to determine a specific course of study.

Core Requirements:

EVS 195 - Introduction to Environmental Sciences

Interdisciplinary introduction to the scope and application of environmental sciences. Emphasis on integrated analysis of environmental principles and discussions centering on current environmental problems. The lab for this course is EVSL 195.

Credit Hours: 3

Additional Restrictions/Requirements: EVS 195 and EVSL 195 may be taken in different semesters.

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

EVSL 195 - Environmental Sciences Lab

Laboratory analysis of environmental principles, resources, and problems. Application of scientific and social principles to solving current environmental problems. This course is the lab for EVS 195.

Credit Hours: 1

Prerequisite or Corequisite Courses: EVS 195
Additional Restrictions/Requirements: EVSL 195 may be taken in the same semester as EVS 195 or in a semester subsequent to EVS 195.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.

EVS 205 - Global Environmental Issues

Interdisciplinary study of contemporary environmental issues at a global scale, such as climate change, human population, biodiversity loss, food and water scarcity, energy, stratospheric ozone depletion, acid rain, and environmental justice. Causes, effects, policy implications, international negotiations, and development of treaties will be examined.

Credit Hours: 3

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

EVS 476 - Topics and Issues in Sustainability

Study of fundamental concepts related to a sustainable society including current global and local issues. Focus on environmental topics (energy, water, climate, soil, forests, food, and population) with consideration of current social and economic issues. Additional Course Fees: Student Blanket Professional Liability Insurance.

Credit Hours: 3

Prerequisite Courses: EVS 195 and EVSL 195
Additional Restrictions/Requirements: Prerequisite courses or consent of the instructor.
Course Repeatability: Course may not be repeated.

Total: 10 hours

Applied Service Learning

Minimum of one credit hour required.

EVS 490 - Environmental Community Engagement

Introduction to the role of environmental agencies in the community. Requires 40 hours of volunteer time directed toward helping the mission of the environmental agency. Additional liability insurance expense may be necessary.

Credit Hours: 1

Additional Restrictions/Requirements: Must be Environmental Science minor or Sustainability minor.

Course Repeatability: Course may not be repeated.
Additional Course Fees: Student Blanket Professional Liability Insurance

EVS 491 - Directed Individual Study

Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Enrichment Courses and Programs section in the catalogue.

Credit Hours: 1 To 6

Additional Restrictions/Requirements: Junior or senior standing, overall GPA of at least 2.00, and consent of instructor and department chair.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

EVS 497 - Practicum in Environmental Sciences

Advanced field placement experience in governmental, corporate, NGO or other setting in the environmental field. Provides extended opportunity for fieldwork,

research, and creative projects. Relates theory to practical application in the field. 40 hours of field work for each credit hour. Additional liability insurance expense may be necessary.

Credit Hours: 1 To 12

Additional Restrictions/Requirements: Declared major in EVS, 2.00 GPA overall, and consent of instructor.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

EVS 499 - Honors Work in Environmental Sciences

Independent study for honors students.

Credit Hours: 2 To 3

Additional Restrictions/Requirements: Senior

standing.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6

12 hours from the following (9 hours at the 300-400 level):

Economic Domain

Minimum of three hours required.

EBD 280 - Entrepreneurship for Non-Business Majors

Primary focus on the entrepreneurial mindset and the process for starting a business. Specific areas include the characteristics of successful entrepreneurs, profiles of successful new businesses, identifying and evaluating new business opportunities, and developing the business plan. Social and developmental entrepreneurship are also addressed.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.

ECN 125 - Survey of Economics

An introduction to economics principles for non-business and non-economics majors. Current analysis rather than theoretical analysis is utilized to present and show the relevance of economics principles. (Not open to students who have earned credit for either ECN 221 or ECN 222.)

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.

ECN 250 - Capitalism and the Global Market

An introduction to the history of capitalism, the current global market society, and the ethics of capitalism.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.

ECN 325 - Environmental Economics

Application of basic economics principles is used to help understand environmental problems and evaluate alternative solutions. Economic principles will be employed to analyze fundamental environmental issues such as property rights, externalities, conservation, and public goods. Public policy issues such as environment protection, natural resource damage assessment, and pollution control will be evaluated from an economic perspective. Specific focus will be given to methods for non-market valuation.

Credit Hours: 3

Prerequisite Courses: ECN 125 or ECN 221
Crosslisting: EVS 325
Course Repeatability: Course may not be repeated.

ECN 330 - Natural Resource Economics

Economic principles are developed and applied to evaluate public and private decisions involving the use and allocation of natural resources. Optimal control theory is developed and applied to the management of natural resources. Attention is given to specific resources management areas such as forests and fisheries. The feasibility of alternatives for public policy is evaluated.

Credit Hours: 3

Prerequisite Courses: ECN 125 or ECN 221
Crosslisting: EVS 330
Course Repeatability: Course may not be repeated.

ENG 308 - Grant and Proposal Writing

Study of grant and proposal writing for use in non-profit organizations, educational settings, and businesses. Emphasis on research methods, planning, developing funding relationships, and writing collaboratively. Includes a service-learning component.

Credit Hours: 3

University Studies: Building Competencies/Writing Intensive, Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.

MGT 351 - Green Business and Sustainable Enterprise

Examination of green business and sustainable enterprise from multiple perspectives. Emphasis on how organizations create a sustainable focus in their productive activities and successfully compete in the eco-friendly marketplace. Particular attention directed to regulatory trends that impact green enterprises, the development of sustainable technologies, and the management of entrepreneurial efforts in green industries.

Credit Hours: 3

Additional Restrictions/Requirements: Junior Standing
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

Social Domain

Minimum of three hours required.

ANT 329 - Environmental Justice Ethnography

Ethnographic survey of the emergence of social movements organized around environmental issues. Through the writings of cultural anthropologists, students learn how communities around the world threatened by environmental destruction seek justice, accountability, and sustainability. Environmental crises are analyzed in terms of globalization, structures of poverty, and human rights.

Credit Hours: 3

University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

EBD 380 - Entrepreneurship

Primary focus is understanding entrepreneurship as a process and phenomenon that occurs in many different contexts. The course approaches entrepreneurship as a way of thinking and acting, as an attitude and a behavior. Specific areas include entrepreneuriial

competencies (e.g., opportunity assessment and recognition techniques) and career paths, venture typologies, as well as basics of business and economic modeling, financing, marketing, legal and IP issues.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ACG 203.
Course Repeatability: Course may not be repeated

EVS 304 - Citizen Science

Introduction to the rapidly growing, interdisciplinary field of citizen and community-based science. Exploration of prior research and social science theories to highlight strengths and weaknesses of different citizen science approaches. Key principles to creating and managing successful citizen science projects operating at different scales are covered.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

EVS 364 - Natural Resource Policy

Existing natural resource laws, institutions and programs are summarized in their historical context and in relation to current natural resource issues. Philosophical underpinnings of policy positions are examined and discussed. Models of policy creation, implementation, and reform, with specific examples focusing on natural resource management.

Credit Hours: 3

Prerequisite Courses: EVS 195 or permission of instructor.
Additional Restrictions/Requirements: Junior or senior standing, or permission of instructor.
Course Repeatability: Course may not be repeated.

EVS 428 - Environmental Interpretation in Protected Areas

Exploration of key concepts related to environmental interpretation in terrestrial and marine protected areas. Focus on, and experience in, the development and implementation of environmental interpretive materials (e.g., brochures, signage, exhibits) and activities (e.g., talks, guided tours, field trips). Additional Course Fees:

Student Blanket Professional Liability Insurance.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Additional Course Fees: None

EVS 465 - Education for Sustainable Development

Study of educational strategies and methods for implementing priority action areas of sustainable development goals. Focus on sustainable development education as practiced in the field in different countries under varying circumstances using a case study approach. Evaluation of the relative success of alternative teaching methods related to sustainable development across locations and cultures.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

EVS 466 - Sustainable Tourism

Introduction to concepts and principles of sustainable tourism development, emphasizing implications for management and planning. Cases from the U.S. and around the world are used to examine and discuss issues and practices of sustainable tourism development within different geocultural contexts.

Credit Hours: 3

Additional Restrictions/Requirements: Junior or senior standing, or permission of instructor.
Course Repeatability: Course may not be repeated.

GGY 473 - Environmental Land Use Change and Planning

Overview of the concepts and processes related to rural and urban development; growth and change, including land use issues and environmental planning strategies around land, water, and other natural resources; and critical evaluations of regional land use plans and policies. Students will conduct applied research on various regional/environmental land use issues and create outreach and communication tools in oral and written form.

Credit Hours: 3

Prerequisite Courses: GGY 130 or GGY 321 or EVS 195 or OCN 150 or consent of instructor
Course Repeatability: Course may not be repeated.

HST 332 - American Environmental History

The significance of the environment in American history from the colonial period to the present. Emphasis on the relationship between the natural environment of North America and the development of American culture and society, as well as changing attitudes toward the natural environment.

Credit Hours: 3

Additional Restrictions/Requirements: Any HST course or consent of instructor.
Course Repeatability: Course may not be repeated.

PLS 209 - Environmental Politics

Role of politics in environmental policy. Topics include the politics of the environmental movement, the

environment as a public policy issue, and the development and impact of environmental policy.

Credit Hours: 3

University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.

SOC 385 - Environmental Sociology

Examination of human-environment interactions from a sociological perspective. Focus on culture, patterns of inequalities, consumption, and beliefs about the environment and their impacts on the natural world.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in a Diverse Nation, Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.

Environmental Domain

Minimum of three hours required.

BIO 366 - Ecology

An introduction to basic ecological principles as they pertain to individual organisms, populations, communities and systems. The lab for this course is BIOL 366.

Credit Hours: 3

Prerequisite Courses: BIO 201 and BIO 202
Course Repeatability: Course may not be repeated.

CHM 377 - Environmental Chemistry

Introduction to the chemistry of air, soil, and natural waters. Processes of environmental degradation, cleanup, and pollution prevention. Selected current topics. The lab for this course is CHML 377.

Credit Hours: 3

Prerequisite Courses: CHM 102 and CHML 102.
Course Repeatability: Course may not be repeated.

EVS 355 - Marine Debris

Study of marine debris in the field, including plastics, derelict fishing gear, trash, and storm wreckage, affecting the environment, human health, and the economy. Focus on field techniques and preparation of outreach materials for public audiences. Field excursions required. Additional Course Fees: Student Blanket Professional Liability Insurance.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

EVS 400 - Wildlife Management

Introductory principals of wildlife management spanning management perspectives, managing landscapes for wildlife, and managing wildlife populations.

Credit Hours: 3

Prerequisite Courses: EVS 195, BIO 366.
Course Repeatability: Course may not be repeated.

EVS 410 - Environmental Modeling

Overview of environmental modeling as used in practice. Consideration of selected abiotic and biotic models with applications to bacteria, plankton, fish, plants, trees, amphibians, reptiles, birds, and mammals. Hands-on ecological modeling with spreadsheet software.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

EVS 424 - Environmental Nonprofit Organizations

Introduction to the unique issues facing environmental nonprofit organizations when addressing wicked problems in conservation, sustainability, and environment. Practical application and examination of real-world case studies provides a foundation to examine best practices in outreach, education, systems thinking, and adaptive management from local and global frameworks in environmental nonprofit organizations.

Credit Hours: 3

Additional Restrictions/Requirements: Junior/Senior standing required or permission of instructor.
Course Repeatability: Course may not be repeated.

EVS 433 - Tree and Forest Measurement

Study of forest mensuration including skills needed to take accurate forest measurements using essential forestry tools. Topics include foundations of forestry; forest ecology; essential tree and forest measurements such as tree age, height, and basal area; and key forestry topics such as tree regeneration, prescribed fire, and forest understory. Additional Course Fees: Student Blanket Professional Liability Insurance.

Credit Hours: 3

Prerequisite Courses: EVS 195, or permission of instructor.
Course Repeatability: Course may not be repeated.

EVS 440 - Wildlife Field Methods for Conservation

A hands-on course in the tools and techniques of wildlife field methods. Focusing on amphibians, reptiles, birds, and mammals, students learn basic applied wildlife methods employed by conservation and management agencies. Additional Course Fees: Student Blanket Professional Liability Insurance.

Credit Hours: 4

Corequisite Courses: EVS 195, and STT 215 or GGY 222, or permission of instructor.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 8 **Repeat Limit:** 1

EVS 445 - Environmental Conservation

A scientific exploration of conservation theories and practices to understand the challenges of protecting, maintaining, and restoring biological diversity to Earth's many environs.

Credit Hours: 3

Prerequisite Courses: EVS 195, EVSL 195, BIO 366, BIOL 366.

Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

EVS 452 - Offshore Energy & Resource Management

Introduction to the fundamental concepts behind offshore energy and resource management. Examination of a range of marine resources, including offshore oil and gas; wave, wind and tidal energy; and marine minerals. Discussion of the historical evolution, technological developments, challenges and potential impacts of each offshore resource. Additional Course Fees: Student Blanket Professional Liability Insurance.

Credit Hours: 3

Additional Restrictions/Requirements: Junior or senior standing, or permission of instructor.
Course Repeatability: Course may not be repeated.

EVS 468 - Hazards, Risks, and Community Resilience

Overview of natural hazards and disasters, focusing on their social, economic and environmental impacts and the complex and interconnected systems affected by environmental and social change. This course also provides an exploration into alternative and sustainable ways to view, study, and manage hazards in the U.S, as well as disaster-resilient communities, higher environmental quality, inter- and intra-generational equality, economic sustainability, and improved quality of life.

Credit Hours: 3

Additional Restrictions/Requirements: Junior or senior standing, or permission of instructor.
Course Repeatability: Course may not be repeated.

EVS 474 - Wildland Fire Management

Study of wildland fire management. Focus on the suppression of wild fires and the use of controlled burning as a natural resource management tool. Participation in practical field training including controlled burns. Participants must meet physical fitness guidelines. Additional Course Fees:

Student Blanket Professional Liability Insurance.

Credit Hours: 3

Additional Restrictions/Requirements: Junior or senior standing or consent of instructor.
Course Repeatability: Course may not be repeated.

EVS 477 - Environmental Site Assessment

Study of ASTM guidelines for environmental site assessment, emphasis on historic overview, regulations, and preparation methods associated with environmental site assessment. Lecture and field trips.

Credit Hours: 3

Additional Restrictions/Requirements: Junior or senior standing or consent of the instructor.
Course Repeatability: Course may not be repeated.

EVS 483 - Fisheries Policy and Management

Overview of fisheries policy and management. Considers important international, national, and regional fisheries, with extended consideration of North

Carolina fisheries. Reviews fisheries management agencies, policies, data sources, trends and issues. Examines common biological fishery models, fishing methods and gear, and fishery regulations. Explores methods for assessing the economic impacts of fishing and the recreational value of fishing.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

EVS 484 - Agriculture and the Environment

Interdisciplinary exploration of the impacts of crop and animal agriculture on terrestrial, aquatic, and marine environments. Topics include natural habitat impacts, sediment transport, nutrient runoff, land conversion, and concentrated feeding operations. Emphasis on building student communication skills and competency in critical analysis of current environmental issues.

Credit Hours: 3

Prerequisite Courses: EVS 195.

Course Repeatability: Course may not be repeated.
Additional Course Fees: None

GGY 340 - Global Change: Population, Resources, and the Environment

Introduction to the four major driving forces of global change: demographic trends, natural resource use, climate change, and globalization. Explores the role of economic and cultural development and analyzes regional patterns that result in the unique manifestations of global change.

Credit Hours: 3

Prerequisite Courses: GGY 130 or GGY 101 or GGY 180, or consent of instructor.
Course Repeatability: Course may not be repeated.

GLY 420 - Global Climate Change

Analysis of natural and anthropogenic global climate change with an emphasis on future global climate change. Topics include Earth's energy balance, the global carbon cycle, climate modeling, atmospheric composition, and dynamics. Review of geographical

variation in climate change.

Credit Hours: 3

Prerequisite Courses: GGY 230
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
University Studies: Building Competencies/Writing Intensive
Crosslisting: GGY 420, PHY 420
Course Repeatability: Course may not be repeated.

One course from the following:

Minimum of three hours required.

ANT 309 - Environmental Anthropology

A study of cultural adaptations as responses of human populations to varied environments; this course will focus upon cultural vs. biological adaptation from the archaeological past to the ethnographic present.

Credit Hours: 3

Prerequisite Courses: ANT 105 or ANT 206 or ANT

207
Additional Restrictions/Requirements: Prerequisite courses or consent of instructor.
University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

ANT 327 - Globalization & Culture Change

Explores processes of globalization in local communities by addressing issues and dynamics of culture change in the contemporary world. Themes include: economic development and underdevelopment; legacies of colonialism; immigration; transnational culture; market and meaning exchanges in media and the arts; and organized resistance to globalization.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

BIO 466 - Conservation Biology

A scientific approach to the protection, maintenance, and restoration of biological diversity, including its ecological and evolutionary processes and total environment.

Credit Hours: 3

Prerequisite Courses: BIO 366 or BIO 362
Additional Restrictions/Requirements: Junior or senior standing.
Course Repeatability: Course may not be repeated.

BLA 371 - International Business Law

An examination of the legal, political, social and cultural aspects of doing business abroad. The course will cover major legal systems of the world, the political and governmental structures of various nations, international organizations, the law of international business transactions, and the settlement of transnational legal disputes. The course also will highlight cultural challenges and opportunities that an American may encounter in international business.

Credit Hours: 3

Additional Restrictions/Requirements: Junior or senior standing or consent of Department Chair.
Course Repeatability: Course may not be repeated.

CHML 377 - Environmental Chemistry Laboratory

Laboratory analysis of environmental samples, including applications of standard EPA methods. This course is the lab for CHM 377.

Credit Hours: 1

Corequisite Courses: CHM 377
Course Repeatability: Course may not be repeated.

COM 223 - Mediation and Conflict Management

Introduction to the principles of conflict management and alternative dispute resolution with an emphasis on mediation and conflict theory. Other topics include negotiation, arbitration and litigation.

Credit Hours: 3

Prerequisite or Corequisite Courses: COM 105.
Course Repeatability: Course may not be repeated.

COM 257 - Arguing Well: Exploring Argumentation and Debate

Explores principles, practices and ethical dimensions of argumentation and their application to debates and decision-making. Students will engage in research and critical thinking in order to construct cases and participate in debates about issues of interest.

Credit Hours: 3

University Studies: Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

COM 265 - Communication Media

Examination of the development, functions, theoretical foundations, and effects of media on individuals, society, and culture.

Credit Hours: 3

Prerequisite Courses: COM 160 or permission of instructor.
Course Repeatability: Course may not be repeated.

COM 351 - Media and Politics

History and theory of the relationships among the mass media, government, and the American public, and their implications for American democracy. Portrayal and effects of various media. Addresses the media's independence from government, the structure of media organizations, media bias, news practices, political campaigns, and effects on public opinion.

Credit Hours: 3

Prerequisite Courses: COM 105 or PLS 205
Additional Restrictions/Requirements: Prerequisite courses or consent of instructor.
Course Repeatability: Course may not be repeated.

EBD 380 - Entrepreneurship

Primary focus is understanding entrepreneurship as a process and phenomenon that occurs in many different contexts. The course approaches entrepreneurship as

a way of thinking and acting, as an attitude and a behavior. Specific areas include entrepreneuriial competencies (e.g., opportunity assessment and recognition techniques) and career paths, venture typologies, as well as basics of business and economic modeling, financing, marketing, legal and IP issues.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ACG 203.
Course Repeatability: Course may not be repeated

EVS 360 - Human Dimensions of Natural Resource Management

Examines the interrelationships between the biological sciences, physical sciences, and social sciences within the human dimensions of natural resource management framework in the context of current environmental issues. Uses contemporary management processes to solve real-world environmental problems.

Credit Hours: 3

Prerequisite Courses: EVS 195
University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors, Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.

EVS 363 - Foundations of Environmental Education

Exploration of environmental education in a wide array of contexts and with diverse audiences. Topics include how to apply relevant theory, prior environmental education research, and key concepts to enhance diverse environmental education programs (e.g., urban, rural, in-person, online, single-day, residential).

Credit Hours: 3

Prerequisite Courses: EVS 195
Course Repeatability: Course may not be repeated.

EVS 380 - Environmental Justice Strategies

Examination of sociopolitical, psychological, and economic mechanisms of environmental injustice using current and historical case studies. Evaluation of consequences for underserved populations. Focus on strategies used to combat contemporary environmental injustice, both locally and nationally.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

EVS 421 - Literature of the Environment

The goal of the course is to familiarize students with pivotal and influential writings that lay the foundation of environmental sciences and examine various ways writers have presented the natural world. Students will read and discuss material in a loose chronological way, to build a deeper understanding of the discipline - reflecting on where we started and where we are headed. Along the way, we will note the historical and political contexts in which the writing was produced and examine our perceptions of environment—from the philosophical to the political and from scientific to poetic.

Credit Hours: 3

Prerequisite Courses: EVS 195 or EVS 205, or permission of instructor.
Course Repeatability: Course may not be repeated.

EVS 422 - Marine Environmental Survey Techniques

Introduction to the fundamentals of environmental marine survey techniques for conservation and management purposes. Use of bathymetric, acoustic imaging, underwater video and seabed sampling techniques to collect, process, export and characterize data related to a range of marine environments in coastal North Carolina.Additional Course Fees: Student Blanket Professional Liability Insurance.

Credit Hours: 3

Prerequisite Courses: GGY 321
Additional Restrictions/Requirements: Junior/Senior standing required, or permission of instructor.
Course Repeatability: Course may not be repeated.

EVS 450 - Avian Conservation and Management

Exploration of the primary threats to North American bird populations, the ecological mechanisms that influence avian populations, and management solutions that can enhance the conservation of avifauna.

Credit Hours: 3

Prerequisite Courses: EVS 195.
Additional Restrictions/Requirements: Junior or Senior status.
Course Repeatability: Course may not be repeated.
Additional Course Fees: None

EVS 469 - Restoration Ecology

Study of the ecological processes that underlie the restoration of natural communities in ecosystems. Examination of all aspects of restoration work, including planning and monitoring. Consideration of a variety of disturbance types, including agricultural, natural resource extraction, waste management, urbanization, and tourism. Off campus field trips required. Additional Course Fees: Student Blanket Professional Liability Insurance.

Credit Hours: 3

Prerequisite Courses: BIO 366.
Additional Restrictions/Requirements: Junior status or higher.
Course Repeatability: Course may not be repeated.

GGY 321 - Introduction to Geographic Information Systems

Introduces fundamental concepts and principles of Geographic Information Systems (GIS). Tools, functions, and capabilities of GIS desktop software (e.g. ArcGIS or QGIS) are explained and used to visualize and manipulate geospatial data.

Credit Hours: 3

Prerequisite Courses: GGY 130 or GGY 215 or GLY 101 or GLY 120 or OCN 150 or EVS 195 or EGN 102.
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

GGY 432 - Biogeography

Study of the changing distribution patterns of plants and animals on a variety of spatial and temporal scales. Topics include abiotic and biotic controls on the distribution of life, disturbance, ecological communities, dispersal, invasion, speciation, extinctions, biogeographic realms, human impacts on biodiversity, and conservation.

Credit Hours: 3

Prerequisite Courses: GGY 130 or GLY 101
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
University Studies: Building Competencies/Information Literacy
Crosslisting: GLY 532
Course Repeatability: Course may not be repeated.

PLS 205 - Campaign and Elections

Focuses on the electoral arena (history, financing, political environments), nominations (delegate selections and conventions), campaigns (organization, strategy, tactics, media), and the election (votes, policy, reforms). Special attention is given to recent and

current presidential and congressional election campaigns.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.

PLS 306 - Politics and Film

Critical examination of the political themes present in film spanning across the major subfields of political science, including American politics, comparative politics, international relations, and political theory. Consideration of the extent to which media accurately portray political phenomena as understood by political scientists and the scholarly literature and analysis of its consequences.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

PLS 304 - Introduction to Public Policy Analysis

Study of the theories and methods of analyzing and explaining public policy and the substance of recent domestic policies in the areas of public finance and human and physical resources, including welfare, education, protection of the environment, housing, health, urban renewal and transportation.

Credit Hours: 3

Prerequisite Courses: PLS 101 and PLS 201
Additional Restrictions/Requirements: Prerequisite courses or consent of instructor.
University Studies: Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

PLS 425 - International Politics

Students are provided with an overview of the current International system and introduced to the theories actors, their interactions, and the norms of the international system. The impact of the law and norms of international relations or international conflict are analyzed and debated.

Credit Hours: 3

Prerequisite Courses: PLS 220
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
University Studies: Building Competencies/Writing Intensive, Common Requirements/Critical Reasoning
Crosslisting: CMR 525
Course Repeatability: Course may not be repeated.

REC 362 - Special Issues in Recreation, Sport Leadership and Tourism Management

Field methods/techniques through on-site interaction with recreation, sport or tourism professionals and/or natural resource managers and observation of practical management activities and strategies. Extensive field trips and field immersion required.

Credit Hours: 1 To 6

Prerequisite Courses: REC 265
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.

Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

REC 366 - Coastal Recreation Resource Management

An in-depth study of coastal legislation, resources, issues and management. Special attention is given to understanding recreation in the coastal zone, conflicts among competing coastal resource users, and current issues pertaining to North Carolina's coastal environment.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

REC 451 - Travel and Tourism

A description of the key components that make a global tourism designation a success: traveler's motivation, theories of behavior, planning, development, and forecasting supply and demand. Students also learn about the delicate and sensitive relationship tourism has with its surrounding social, natural, and coastal

environment.

Credit Hours: 3

Prerequisite Courses: REC 375
Additional Restrictions/Requirements: REC majors and minors only or permission of instructor.
University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 260 - Poverty Studies

Examination of the nature and extent of poverty in the United States. Discussion of poverty measurement, characteristics, poverty population, international comparisons, underlying causes of poverty and government programs and policies that address poverty.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in Our Diverse Nation, Explorations

Beyond the Classroom
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 303 - Media and Society

The relationship between mass media, culture, and society with special emphasis on the social, political, and economic contexts of the mass media. Media examined include television, the press, films, popular music, and the electronic superhighway.

Credit Hours: 3

Prerequisite Courses: SOC 105
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 304 - Popular Culture

Sociological analysis of popular forms of everyday life in America: fashion, fads, entertainment trends, advertising, television programming, music, myths, stereotypes, and icons of mass-mediated culture.

Credit Hours: 3

Prerequisite Courses: SOC 105
University Studies: Approaches and Perspectives/Living in Our Diverse Nation, Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 305 - Demography

A study of the changes in size, composition, distribution of population and the dynamics underlying them.

Credit Hours: 3

Prerequisite Courses: SOC 105
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

Total: 23 hours

Teaching English as Second Language Minor

The Watson College of Education offers a minor in teaching English as a second language. The minor provides students with knowledge of second language acquisition, cultural differences, linguistics, and

instructional strategies for meeting the education needs of students for whom English is a second language. The minor leads to add-on teacher licensure in English as a second language for individuals who have earned initial NC teacher licensure. Students should contact the coordinator in the Watson College of Education for additional information.

Program Objectives

- Teacher candidates have knowledge and understanding of English as a language.
- Teacher candidates understand the impact of linguistic and cultural differences on learning.
- Teacher candidates have knowledge of the instructional cycle, including the design, implementation, and assessment of instruction for multilingual learners.
- Teacher candidates have knowledge of the policies and regulations related to teaching English learners.

Requirements for a Minor in English as a Second Language:

comprised of the following courses:

TSL 265 - Culture, Advocacy and Policy for ESL Teachers

This course will introduce students to the field of English as a second language, including cultural, social, and political contexts of linguistic diversity from historical and critical perspectives. Topics include legal and administrative aspects of the field, including national and state regulations. A 10-hour participatory observation experience is required.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

TSL 417 - Second Language Methods

Students will be introduced to the instructional cycle used with English language learners. Topics include the design and implementation of instruction. The course includes a 30 hour field experience component.

Credit Hours: 3

Prerequisite Courses: EDN 316
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

TSL 418 - Assessment for English Language Learners

Students will address issues of assessment for non-native English speakers. Topics include classroom assessment, program evaluation, language proficiency assessment, and standardized assessment.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

TSL 423 - Second Language Acquisition

Students will be introduced to the field of Second Language Acquisition. Topics include basic concepts in

first and second language acquisition and relationships between the two, key research, theories and principles in the field of English as a second language and how they relate to the academic achievement of English language learners.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

ENG 320 - Introduction to Linguistics

An introduction to the study of human language, including such topics as the sounds, structure, and meaning of language; language and social interaction; the ways languages change; and the ways children learn language.

Credit Hours: 3

University Studies: Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

TSL 326 - Applied Linguistics for ESL

Students will analyze all aspects of the English language with emphasis on understanding the nature and structure of the language that English language learners bring into the classroom.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

ENG 321 - Structure of the English Language

Study of the grammatical structure of the English language and the process by which we create and comprehend English sentences. Emphasis on recent syntactic models.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

TSL 312 - English Grammar for Teachers

This course is designed to explore language, English grammar, mechanics, and usage from a pedagogical perspective. Students will explore the structure of the

English language with emphasis placed on how to teach grammatical concepts to others.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

- an additional 3 hours in a foreign language (200 or above).

Total: 21 hours

Additional Information:

Students must have a "C" average (2.00) in courses counted for the minor.

Theatre Minor

Admission Requirements

Current UNCW Undergraduate Students

- See University Admission Requirements

Requirements for a Minor in Theatre

Core Courses (12 Credit Hours)

THR 110 - Introduction to Theatre Technology

Examination of current materials and techniques employed in technical production with an emphasis on scenery and lighting technology.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

THR 165 - Playscript Analysis for Production

The study of a diverse cross-cultural section of plays, analyzed through elements of the dramatic text including character, structure, style, language, genre, and theme as they are applied in production.

Credit Hours: 3

University Studies: Building Competencies/Writing Intensive, Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

THR 242 - Production Studio I

Provides an introduction to the elements of technical theatre as practiced in production. Accomplished through securing and executing a position on the running crew of one of the two main stage productions or through active involvement in the mounting of our Mainstage productions.

Credit Hours: 1

University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 2 **Repeat Limit:** 1

One of:

THR 130 - Improvisation

Exploration of spontaneous dramatic playing through intensive exercises and theatre games meant to generate greater individual freedom and self-discipline, as well as to employ improvisation techniques in acting to develop characterization, stage movement, and ensemble performance.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

THR 230 - Acting For Non-Majors

An introduction to basic acting techniques for non-majors.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

History or Literature Course (3 Credit Hours)

THR 321 - A Social History of Western Theatre I

Development of theatre and drama from classical Greece through the Renaissance. Emphasis on theatrical performance including acting, staging,

architecture, dramatic literature and audiences.

Credit Hours: 3

Prerequisite Courses: THR 165
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

THR 322 - A Social History of Western Theatre II

Development of theatre and drama from the late Renaissance to World War II. Emphasis on theatrical performance including staging, architecture, dramatic literature and audiences.

Credit Hours: 3

Prerequisite Courses: THR 165
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

THR 368 - Contemporary British and Irish Dramatic Literature

Major playwrights and plays of representative British and Irish Drama after WW II.

Credit Hours: 3

University Studies: Building Competencies/Writing Intensive, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

THR 369 - The American Canon: Seminar in Dramatic Literature

This course provides a solid foundation in the major playwrights and playwriting trends of the American canon from the Golden Age (O'Neill, Williams, Miller and Albee) throught the most significant current plays and playwrights.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in a Diverse Nation, Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

THR 370 - Theories of Theatre and Performance

Study of various theatrical, philosophical and aesthetic bases of performance forms and styles from a variety of periods.

Credit Hours: 3

University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

Design Course (3 Credit Hours)

THR 125 - Introduction to Design

Examines basic techniques, language, methods and practice employed in theatrical design. Three lecture and three lab hours per week concurrent with University Theatre production needs.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

THR 305 - Scene Design I

An intermediate study of set design development and presentation building upon coursework begun in THR 125, and focusing specifically upon the art, history, methodology, and practice of theatrical design. 20 lab hours of applied experiential learning required.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

THR 306 - Light Design I

Basic techniques of lighting design. Includes fundamentals of lighting production techniques and equipment, and the use of color. Requires lab participation in University Theatre productions.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

THR 308 - Costume Design I

Principles of theatrical design applied to stage costume. Period play interpretation, figure drawing, color theory, and rendering techniques pursuant to developing an individual aesthetic and design style.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

THR 310 - Sound Design I

A study and application of the elements required for creating an acoustical landscape for theatrical productions. Topics include design, script analysis and research techniques to create sound designs.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

295-400 Level Course (3 Credit Hours)

- 3 hours of theatre courses at the 295-400 level.

Total Credit Hours: 19

Additional Information

A "C" (2.00) is required in each course counted toward the minor.

Tourism, Recreation, and Sport Minor

Program Coordinator: Alexia Franzidis, Ph.D. I Program Coordinator & Associate Professor

(Tourism, Recreation, & Sport Minor I UNCW)

Requirements for a Minor in Tourism, Recreation, and Sport

REC 265 - Leisure and Society

An introduction to leisure as a significant force in contemporary life. The importance of leisure for individuals, groups and cultures is explored through social, technological, psychological, historical, philosophical, anthropological, and economic foundations.

Credit Hours: 3

Additional Restrictions/Requirements: Open to REC

majors and minors or consent of instructor.
University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

REC 270 - Program Planning and Leadership

An introduction to recreation program planning, including: needs assessments, organization, implementation, and evaluation of leisure services.

Credit Hours: 3

Additional Restrictions/Requirements: Appropriate major or minor, or consent of instructor.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

REC 348 - Practicum in Recreation Services

Supervised practicum in a recreation setting. Relates theory to practical application in the field. Placements chosen from community, commercial, outdoors or therapeutic settings. Requires a minimum of 100 hours

of field work.

Credit Hours: 3

Prerequisite Courses: REC 265 and (REC 270 or RTH 368)
Additional Restrictions/Requirements: REC majors and minors only or permission of instructor.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

REC 375 - Leadership and Management in Tourism, Recreation, and Sport

Principles and practices of contemporary leisure service management, particularly the effective and efficient management of human, fiscal, informational, and physical resources through planning, organizing, directing, leading, and controlling decisions. Tutorials, case studies, and computer applications.

Credit Hours: 3

Prerequisite Courses: REC 265 and REC 270.
Additional Restrictions/Requirements: REC majors and minors only or permission of instructor.
University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

- 9 additional credits at the 300-400 level.
  In selecting courses to fulfill the 9 elective credits, students are strongly encouraged to consult with the faculty in Tourism, Recreation, and Sport.

Total: 21 hours

Additional Information:

Students must achieve a 2.00 cumulative grade point average for all courses required for the minor.

Whole Health and Wellness Studies Minor

Program Coordinator: Michelle Cathorall, Dr.PH., MPH
I Program Coordinator & Associate Professor

(Whole Health & Wellness Studies Minor I UNCW)

The School of Health and Applied Human Sciences offers a Whole Health and Wellness Studies minor,

which provides students with a strong foundation of health and wellness content knowledge and skills to facilitate healthy living both personally and professionally. The minor reflects the multi-dimensional nature of health and wellness while providing students opportunities to select from a variety of interdisciplinary elective courses that meet both their personal and professional wellness goals.

Requirements for a Minor in Whole Health and Wellness Studies:

Core (8 credits):

CHHS 210 - Creating Happiness and Well-Being

An introduction to the study of topics related to happiness and its impact on quality of life. Students will learn principles and theoretical models targeted at increasing and/or sustaining happiness. The course will focus on big-picture issues and real-world applications.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.

HEA 300 - Mental and Emotional Health

An integrated approach to mental and emotional health examining the cognitive, emotional, and social dimensions of mental health. An introduction to common mental disorders, their causes, and treatment. Special focus on the emotional and mental health issues of adolescence.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

WPA 101 - Wellness and Physical Activity

Introduces students to the fundamental concepts and practical experiences associated with the physical, emotional, intellectual, social and spiritual components of wellness. Promotes behavioral changes to enhance well-being and lifelong maintenance of personal health

and fitness. Lecture and physical activity/lab are required components. Prerequisite for online lab sections: Permission of instructor.

Credit Hours: 1

Prerequisite or Corequisite Courses: WPAL 101
Additional Restrictions/Requirements: Prerequisite for ext online lecture section: Extension student status.
University Studies: Lifetime Wellness
Course Repeatability: Course may not be repeated.

WPAL 101 - WPAL 101 - Wellness and Physical Activity Lab - Olsen

Participation in physical activity, increased awareness and development of using physical activity to enhance all aspects of well-being, increased awareness and development of a well-rounded lifestyle. Physical Activity and Wellness LAB is a 1-credit course. The purpose of this course is threefold: 1) to provide you with instruction and guidance during participation in lifetime physical activities (i.e., cardiovascular, resistance and flexibility) to improve your fitness, health

and wellness, 2) to recognize the multidimensional nature of wellness and its reciprocal relationship with physical activity, and 3) to enhance self-awareness and self-management skills associated with lifelong physical activity. Course activities and assignments are specifically designed to improve your knowledge, beliefs, motivations, skills, and behaviors to aid in your lifetime journey of being active.

Credit Hours: 1

Prerequisite or Corequisite Courses: WPA 101
Additional Restrictions/Requirements: Prerequisite for online lecture/lab sections: Extension student status. Prerequisite for online lab sections: Permission of instructor.
University Studies: Lifetime Wellness
Course Repeatability: Course may not be repeated.

Electives (12 credit hours)

At least one course from at least four of the below categories

Emotional

EXS 412 - Facilitating Behavior Change

Study of behavioral principles as they relate to exercise participants, the exercise environment and adherence to a physically active lifestyle. Emphasis on practical application of behavior modification strategies related to exercise adherence.

Credit Hours: 3

Prerequisite Courses: EXS 320 with a "C" or better and EXSL 320 with a "C" or better.
Additional Restrictions/Requirements: Restricted to Exercise Science (EXS) majors or permission of instructor.
University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

HEA 205 - Human Sexuality

Taught from a health educator perspective, focusing on empirically based information covering: human sexual response, development of sex roles and orientation,

reproduction, birth control, and STI's. Provides opportunities for students to review their beliefs in the context of the historic, cultural and social factors that impact how we perceive sexuality.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

PSY 211 - Perception and Cognition

Survey of major phenomena, methods, and theories associated with the study of perception and cognition. Topics include sensory systems, perceptual processes, attention, memory, knowledge, decision-making, and problem solving.

Credit Hours: 3

Prerequisite Courses: PSY 105
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

PSY 217 - Learning and Behavior Change

Basic principles of conditioning, learning, and behavior change. Topics will include and introduction to classical and operant conditioning and the applications experimentally discovered principles to psychological interventions, as well as other fields such as education, business, and health.

Credit Hours: 3

Prerequisite Courses: PSY 105
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

PSY 223 - Life Span Human Development

Variables and factors underlying human growth and development across the life span. Physical, cognitive, social, emotional, and sexual developments are emphasized.

Credit Hours: 3

Prerequisite Courses: PSY 105
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

PSY 245 - Drugs and Behavior

Psychological aspects of drug use and abuse. Emphasis on the effects of major psychoactive drugs (including alcohol) on behavior, the psychological determinants of drug use, and treatment of drug abuse.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

PSY 246 - Psychology of Personality

Overview of the theoretical models underlying the structure and organization of individual differences. Emphasis on empirical research evaluation the different theoretical models. Topics include the self-concept, awareness of motivation, perceived control, and the biological mechanisms influencing traits such as extraversion.

Credit Hours: 3

Prerequisite Courses: PSY 105

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

PSY 247 - Abnormal Psychology

An introduction to the symptoms and sequelae of behavioral disorders and major theories of the science of psychopathology or abnormal psychology.

Credit Hours: 3

Prerequisite Courses: PSY 105
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

PSY 256 - PSY 256 - Brain and Behavior - Hungerford

An introductory survey of the functional anatomy of the nervous system and the roles which various neural systems play in normal and abnormal behavior.

Credit Hours: 3

Prerequisite Courses: PSY 105 and (BIO 105, BIO 140+BIOL 140, BIO 201, BIO 202, or BIO 240+BIOL

240)
Additional Restrictions/Requirements: Prerequisite courses or consent of the instructor.
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

PSY 257 - Evolutionary Psychology

Consideration of the evolution and adaptive significance of behavior in humans, including such topics as mate selection, parental care, cognition, language, altruism, aggression, warfare, and creativity.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

PSY 264 - Social Psychology

Individual human behavior as a function of the influence of other persons. Emphasis on the psychology of person perception, interpersonal communication and relationships, attitude formation and change, and small group behavior.

Credit Hours: 3

Prerequisite Courses: PSY 105
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

RTH 372 - Recreation Therapy in Behavioral Health

Etiology, functional, and health implications of developmental disabilities; sensory impairments; and conditions related to emotional and behavioral health; selection of recreation therapy interventions; safety considerations pertinent to planning and delivery of recreation therapy services.

Credit Hours: 3

Prerequisite or Corequisite Courses: RTH 368 with a C- or better.
University Studies: Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

Engagement

INT 105 - Introduction to International Studies

An introductory, interdisciplinary survey of the main concepts and terminology associated with the broad, interdisciplinary field of international studies, including economic, geo-political, and socio-cultural globalization and the effects of these processes on individuals and communities.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

PBH 290 - Foundations of Public Health

An overview of the public health profession with emphasis on the foundations of public health such as definitions, history, philosophy, ethics, evidence-based principles, and determinants of health.

Credit Hours: 3

Additional Restrictions/Requirements: Minimum passing grade of "C-" or above required in each PBH course to progress in the program. Open to PBH majors only.
Course Repeatability: Course may not be repeated.

PBH 351 - Health Communication

Contemporary health communication issues will be studied including communication strategies, models, and theories that enhance the delivery of public health programs in various settings. Micro-level and macro-level applications emphasized.

Credit Hours: 3

Additional Restrictions/Requirements: Minimum passing grade of "C-" or above required in each PBH course to progress in the program.

Crosslisting: HEA 351.
Course Repeatability: Course may not be repeated.

PBH 352 - Intercultural Communication in Global Health

This course will examine basic concepts and principles of effective intercultural communication. This course addresses the concept that culture plays a large role in shaping each individual's health-related values, beliefs, and behaviors, and impacts decision making regarding seeking care and/or treatment. This course will develop students' intercultural communication skills needed to address global health disparities, both in international and domestic settings.

Credit Hours: 3

Additional Restrictions/Requirements: Minimum passing grade of "C-" or above required in each PBH course to progress in the program. Open to Public Health majors with a Global Health concentration.
Course Repeatability: Course may not be repeated.
Major Restriction Public Health; Public Health Studies

PBH 353 - Patient Communication in Healthcare

This course will examine the complexities of health communication with an applied health professional focus. Within the course, students will develop communication skills needed to initiate and maintain

interpersonal and interprofessional relationships with patients, families, and other providers.

Credit Hours: 3

Additional Restrictions/Requirements: Minimum passing grade of "C-" or above required in each PBH course to progress in the program. Open to Public Health majors with a Pre-Clinical concentration.
Course Repeatability: Course may not be repeated.
Major Restriction Public Health

PSY 270 - Cross-Cultural Psychology

Psychological study of the impact of culture on behavior. Topics including cultural effects on perception, cognition, personality, emotions, development, and mental health will be examined. Emphasis on application of cultural frames of reference to living in a global society.

Credit Hours: 3

Prerequisite Courses: PSY 105
University Studies: Approaches and

Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 215 - Modern Social Problems

Contemporary social issues and conditions viewed as problematic, such as racism, sexism, crime, poverty, war, alienation, and deviance.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 304 - Popular Culture

Sociological analysis of popular forms of everyday life in America: fashion, fads, entertainment trends, advertising, television programming, music, myths, stereotypes, and icons of mass-mediated culture.

Credit Hours: 3

Prerequisite Courses: SOC 105
University Studies: Approaches and Perspectives/Living in Our Diverse Nation, Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 335 - The Sociology of Deviant Behavior

Analysis of certain behavior in terms of deviations from norms. Application of sociological and psychological concepts and theory to deviant behavior, and critical evaluation of non-sociological research and theories.

Credit Hours: 3

Prerequisite Courses: SOC 105
Crosslisting: CRM 335
Course Repeatability: Course may not be repeated.

SOC 336 - Sociology of Aging

Sociological theories and methods used to explain the aging process. Topics include demography, age stratification, aging and the life course, minority elderly,

housing patterns, health, and social policy.

Credit Hours: 3

Prerequisite Courses: SOC 105 or GRN 101
University Studies: Approaches and Perspectives/Living in Our Diverse Nation, Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

Financial

FIN 235 - Personal Finance

Study of individual and family financial decisions. Designed to prepare the student to exercise intelligent control over income, expenditures, borrowing, savings and investments. Recommended elective for non-business majors. Course is open to all majors.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and

Behaviors
Course Repeatability: Course may not be repeated.

Intellectual

COM 101 - Public Speaking

Preparation and delivery of public presentations, with emphasis on creativity, reasoning, evidence, organization, and delivery. Course content will also be applied to analysis of speeches by self and others.

Credit Hours: 3

University Studies: Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

COM 220 - Interpersonal Communication

Introduction to the theory and practice of relational communication in face-to-face and social media situations and contexts. Focus is on improving interpersonal communication skills through understanding verbal, nonverbal, and relational processes.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.

CRW 201 - Introduction to Creative Writing

Introduction to the principles and techniques of creative writing, aimed at developing the creative process. Includes lectures, reading, and writing exercises in poetry, fiction, and creative nonfiction.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives
Course Repeatability: Course may not be repeated.

EBD 281 - Creativity and Innovation

Primary focus on the processes for fostering creativity and innovation. Emphasis on the creative process, creative problem solving, and intrapreneurship.

Particular attention directed to the development of new products, services, processes, and business models.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

ENG 204 - Introduction to Professional Writing

An introductory survey of concepts in professional writing, including audience analysis, research methods, visual thinking, and composing processes. Includes a service-learning component.

Credit Hours: 3

University Studies: Building Competencies/Writing Intensive, Building Competencies/Information Literacy, Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.

HST 190 - History Unlimited: A Short History of Nearly Everything

Multi-disciplinary course designed to cover the history of the universe from the big bang until today. Draws on

perspectives and methods of both anthropology and history. Topics include the physical structure and composition of the the earth, how it was formed, the emergence of life with particular focus on the evolution of humans, the organiztion and development of human societies, analysis of important historical periods such as agricultural, scientific and industrial revolutions. This course does not fulfill requirements towards either the history or the anthropology majors.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in a Global Society, Explorations Beyond the Classroom
Crosslisting: ANT 190
Course Repeatability: Course may not be repeated.

PHY 104 - Physics Everyone Should Know

Prepares individuals with the physics needed to be effective world leaders by stressing conceptual understanding rather than mathematics with applications to current events. Physics is critical to our understanding of energy, space, global warming,

nuclear power, and technology.

Credit Hours: 3

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

SOC 350 - Gender and Society

Focus on gender in social life. Theoretical explanations of gender differentiation, with an emphasis on socialization, stratification, family, work, education, politics, and social change.

Credit Hours: 3

Prerequisite Courses: SOC 105
University Studies: Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

THR 121 - Introduction to Theatre

Appreciation of theatre through an understanding of its artistic elements, history, dramatic literature, and audience involvement.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

THR 130 - Improvisation

Exploration of spontaneous dramatic playing through intensive exercises and theatre games meant to generate greater individual freedom and self-discipline, as well as to employ improvisation techniques in acting to develop characterization, stage movement, and ensemble performance.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary

Perspectives
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

THR 134 - Ballet I

Basic and comprehensive Ballet Technique at a beginning level. Accumulative credit limited to six semester hours.

Credit Hours: 3

Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6

THR 135 - Modern Dance I

A beginning level modern dance class focusing on dance as an art form. Provides students with the opportunity to explore modern dance technique through floor work, center floor work, combinations moving through space, and strength and flexibility training.

Credit Hours: 3

Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6

THR 230 - Acting For Non-Majors

An introduction to basic acting techniques for non-majors.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

Occupational

CHHS 205 - Introduction to Health and Human Services

Explores career opportunities in health and human services. Studies the health and human service system in the United States and locally as it has been affected by history, changing values, and changes in the economic and political environment.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.

COM 223 - Mediation and Conflict Management

Introduction to the principles of conflict management and alternative dispute resolution with an emphasis on mediation and conflict theory. Other topics include negotiation, arbitration and litigation.

Credit Hours: 3

Prerequisite or Corequisite Courses: COM 105.
Course Repeatability: Course may not be repeated.

COM 272 - Introduction to Organizational Communication

Study of organizations and virtual organizations as systems created and sustained by communication processes. Topics include organizational analysis and development, diversity, leadership, culture, HR and

issues relevant to the global and international marketplace.

Credit Hours: 3

Additional Restrictions/Requirements: PCOM or COM or permission of instructor.
Course Repeatability: Course may not be repeated.
Major Restriction PCOM or COM

EBD 280 - Entrepreneurship for Non-Business Majors

Primary focus on the entrepreneurial mindset and the process for starting a business. Specific areas include the characteristics of successful entrepreneurs, profiles of successful new businesses, identifying and evaluating new business opportunities, and developing the business plan. Social and developmental entrepreneurship are also addressed.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and

Behaviors
Course Repeatability: Course may not be repeated.

LED 211 - Principles of Leadership

Introduction to leadership. Study of leadership theories, styles, and strategies. Emphasis on developing leadership skills in a variety of settings.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.

LED 311 - Communication and Leadership

Theory and practice of leadership. Focuses on issues of cohesiveness, trust, motivation, vision, and goals. Development of conflict management and decision-making goals.

Credit Hours: 3

Prerequisite Courses: LED 211

Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

WLD 305 - Emotional Intelligence in Training and Development

Designed to investigate the role of emotional intelligence for understanding, assessing, and regulating your emotions, interpreting the verbal and nonverbal behavior of learners, and adjusting behavior and instruction in relation to learners.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

WLD 310 - Global Organizational Learning & Development

Designed to develop an appreciation for the abilities, insights, and ideas of all individuals. Emphasis will be on working effectively with diverse populations, recognizing the need to address format, availability, styles, abilities, motivations, and/or backgrounds when providing learning and development solutions across

and within borders and cultures.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

WLD 325 - Facilitation and Presentation in Learning & Development

Designed to research and discover effective facilitation skills in adult education and workplace environs, including the nature of groups, group dynamics, effective planning, role clarification, identifying intervention points, & effective tools and techniques useful in building consensus around a topic, using effective questioning skills to guide participants toward action, and developing effective methods for addressing conflicts among participants.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

WLD 330 - Instructional Strategies for Workforce Learning & Development

Designed to develop knowledge of adult learning theories and concepts and their application to the instructional process/strategies with adults**.** Understand andragogy, strategies, materials, implementation, and delivery of learning activities with adults**.**

Credit Hours: 3

Course Repeatability: Course may not be repeated.

WLD 375 - Principles of Adult and Workforce Learning and Development

Designed to explore basic theories of adult learning and instruction as they relate to the learner, the workplace and the social context. Develop an understanding of basic adult learning and instruction principles including design and delivery of education**.**

Credit Hours: 3

Course Repeatability: Course may not be repeated.

Physical

EXS 210 - Introduction to Exercise Science

This foundational course is designed to introduce students to the field of exercise science by providing a curriculum overview, explanation of the sub-disciplines, professional organizations and certifications, and potential careers in the field of Exercise Science and related allied-health professions.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

EXS 320 - Exercise Physiology

This course is designed to enhance knowledge with respect to the physiological considerations and associated mechanisms related to physical activity, exercise, and performance.

Credit Hours: 3

Corequisite Courses: EXSL 320.
Prerequisite Courses: BIO 201 with a "C" or better,

CHM 101 with a "C" or better, CHML 101 with a "C" or better, MAT requirement with a "C" or better (MAT 111 or MAT 112 or MAT 115 or MAT 151 or MAT 161 or MAT 160 with a "C" or better), (EXS 216 with a "C" or better and EXSL 216 with a "C" or better) or (BIO 240 with a "C" or better and BIOL 240 with a "C" or better) and (EXS 310 with a "C" or better or CHHS 411 with a "C" or better).
Additional Restrictions/Requirements: Restricted to Preexercise Science (PEXS) or Exercise Science (EXS) majors only or permission of instructor at the time the course begins.
University Studies: Critical Reasoning
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

EXS 322 - Sports Nutrition

Relationship of exercise, physical activity, and performance to human nutrition. In-depth information on human energy systems, weight management, macronutrients, micronutrients, and ergogenic aids.

Credit Hours: 3

Prerequisite Courses: BIO 201 with a "C" or better, CHM 101 with a "C" or better, CHML 101 with a "C" or better, MAT requirement with a "C" or better (MAT 111 or MAT 112 or MAT 115 or MAT 151 or MAT 161 or MAT 160 with a "C" or better), EXS 310 with a "C" or better or CHHS 411 with a "C" or better.
Additional Restrictions/Requirements: Restricted to Preexercise Science (PEXS) or Exercise Science (EXS) majors only or permission of instructor at the time the course begins.

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

EXS 410 - Essentials of Strength Training and Conditioning I

This course is a comprehensive overview of the scientific foundations of strength and conditioning. Emphasis will be placed on the exercise sciences, including anatomy, exercise physiology, biomechanics, nutrition, and the psychology of performance.

Credit Hours: 3

Prerequisite Courses: Prerequisite: EXS 320 with a "C" or better and EXSL 320 with a "C" or better. Prerequisite or corequisite: EXS 321.
Additional Restrictions/Requirements: Restricted to Exercise Science (EXS) majors only or permission of instructor.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

EXS 411 - Exercise Prescription I

Concepts of health related physical fitness with emphasis on the design of an individualized exercise program for all ages within an apparently healthy population.

Credit Hours: 3

Corequisite Courses: EXSL 411
Prerequisite Courses: EXS 320 with a "C" or better and EXSL 320 with a "C" or better.
Additional Restrictions/Requirements: Restricted to Exercise Science (EXS) or permission of instructor. Must have minimum cumulative GPA of 2.70.

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

HEA 207 - Nutrition and Behavior

Application of the principles of nutrition as related to health; various levels of wellness; and practices of health care. Emphasis on basics of sound nutrition, requirements of various food elements, diet planning, diet patterns for specific age groups, nutritional fads and weight control.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

HEA 210 - Substance Abuse Prevention

Prevention education methods and strategies for substance abuse prevention for all age groups and diverse populations. Special emphasis on evidence-based prevention strategies including both curriculum-based and community-programming tactics. Students will work with outside agencies to review current use of substance abuse prevention programs.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

HFE 235 - Foundations of Health and Physical Education

Introductory course in the Health and Applied Human Sciences teacher education program that examines historical, sociological, and philosophical foundations of health and physical education. The course addresses past and current trends in K-12 health and physical education. The course introduces the national and state education standards for healthful living.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

PED 136 - Movement Exploration

Study through creative dance techniques of the body's potential as a tool for creative expression. Exploration of the relationship as a tool for creative expression. Exploration of the relationship of dance to other art forms. Solo and group work using basic art concepts

and the individual's own experience as material for movement improvisation and composition. No dance training necessary.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives
Crosslisting: ["THR 136"]
Course Repeatability: Course may not be repeated.

REC 370 - Tourism and Health

Examination of key components relating tourism and health. Covers concepts including tourism wellness and quality of life, medical tourism, disease and travel, impact of tourism on the health of communities, and the role of tourism operators to promote healthy travel.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

WPA 210 - Plant-Based Living for Wellness

This course is designed to explore plant-based living including if plant-based diets may offset the world's population growth and environmental concerns related to factory farms and climate change, the role of plant-based lifestyles, physical activity, and stress management in chronic disease prevention, reviewing scientific literature regarding plant-based living, and the principles of planning a healthful whole food plant-based meal plan.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

WPA 295 - Special Topics in Physical Activity and Wellness

Course shell for future special topics courses. Course descriptions and SLOs will be established and approved by local curriculum committees before offering the course.

Credit Hours: 1 To 3

Prerequisite Courses: WPAL 101 or PED 101

Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 9 **Repeat Limit:** 2

Spiritual

PAR 101 - The Big Questions: Introduction to Philosophy

Introduction to various philosophers and philosophical problems from historical, critical, and other perspectives. Addresses the big questions of human existence, such as: What is right and wrong? Does God exist? How do we know anything about the world around us? Students learn what a philosophical question is and discover just how pervasive philosophical assumptions are in life.

Credit Hours: 3

University Studies: Approaches and Perspectives/Historical and Philosophical Approaches, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

PAR 103 - Exploring Religions

Introduction to the academic study of religion. Explores the many diverse religions practiced around the world and the ways practitioners construct religious experiences through scriptures, art, gender, race, and community.

Credit Hours: 3

University Studies: Approaches and Perspectives/Historical and Philosophical Approaches
Course Repeatability: Course may not be repeated.

PAR 115 - Introduction to Ethics

An introduction to fundamental principles, theories, and problems in ethics.

Credit Hours: 3

University Studies: Approaches and Perspectives/Historical and Philosophical Approaches, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

WPA 220 - Introduction to Yoga Methodology and Techniques

This course provides a foundational study and application pertaining to the study of yoga and its history, literature, philosophy and practice. This course draws from multiple yoga traditions with the emphasis placed on Patanjali's, Yoga Sutras. Students will be taught yoga techniques, teaching methodology, and the practice of asana, pranayama, meditation, and other traditional yoga techniques.

Credit Hours: 3

Prerequisite Courses: WPAL 101.
Additional Restrictions/Requirements: Students must have some yoga experience (>10 hours of practicing yoga).
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

Sustainability

EVS 195 - Introduction to Environmental Sciences

Interdisciplinary introduction to the scope and application of environmental sciences. Emphasis on integrated analysis of environmental principles and

discussions centering on current environmental problems. The lab for this course is EVSL 195.

Credit Hours: 3

Additional Restrictions/Requirements: EVS 195 and EVSL 195 may be taken in different semesters.
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

EVS 205 - Global Environmental Issues

Interdisciplinary study of contemporary environmental issues at a global scale, such as climate change, human population, biodiversity loss, food and water scarcity, energy, stratospheric ozone depletion, acid rain, and environmental justice. Causes, effects, policy implications, international negotiations, and development of treaties will be examined.

Credit Hours: 3

University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

EVS 305 - Environmental Impacts of Climate Change

Team-taught by Department of Environmental Sciences faculty, this course focuses on the current and predicted effects of climate change on Earth's abiotic and biotic environment. This course is intended to enhance students' abilities to address challenges in the 21st century by providing a multidisciplinary approach to problem solving using biological, physical, social, and economic perspectives.

Credit Hours: 3

Prerequisite Courses: EVS 205.
Additional Restrictions/Requirements: Junior/Senior standing or permission of instructor.
Course Repeatability: Course may not be repeated.

EVS 360 - Human Dimensions of Natural Resource Management

Examines the interrelationships between the biological sciences, physical sciences, and social sciences within the human dimensions of natural resource management framework in the context of current environmental issues. Uses contemporary management processes to solve real-world environmental problems.

Credit Hours: 3

Prerequisite Courses: EVS 195
University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors, Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.

GRN 101 - Introduction to Gerontology

Introduction to the social, psychological, physiological, and philosophical aspects of aging through reading, writing, and fieldwork.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

HEA 245 - Consumer Health

Survey of consumer health topics such as the purchase of health-care products and services, choosing quality health care, and how to identify and use reliable sources of information.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

HEA 325 - Health and Aging

An introduction to health characteristics of the aging population. Topics include biomedical changes of various body systems and lifestyle factors such as nutrition, stress, drugs, exercise and sexuality. Field experience required.

Credit Hours: 3

Prerequisite Courses: GRN 101
Course Repeatability: Course may not be repeated.

INT 220 - Cultural and Social Globalization

Exploration of contemporary cultural and social changes in the context of globalization. The course focuses on the ways in which various global and local cultural arenas reflect and are transformed by late capitalism's societal shift towards a mode of existence where images and consumerist desires have become the driving forces.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in a Global Society, Critical Reasoning
Course Repeatability: Course may not be repeated.
Major Restriction None**Minor Restriction** None

PBH 105 - Explorations in Public Health

Please enter a description. General introduction to public health and how it interfaces with science and politics. Addresses the connectivity of public health and healthcare. The 3 P's of public health: prevent, protect and promote, and the roles of personal and social determinants of health are covered utilizing current public health events and initiatives. Partially satisfies University Studies II: Approaches and Perspectives/Understanding Human Institutions and Behaviors.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

PBH 310 - Social and Behavioral Determinants of Health

An overview of social and behavioral concepts related to public health with specific emphasis on behavioral theory and evidence-based practice. Examines the integration of health behavior, health theories and health promotion.

Credit Hours: 3

Additional Restrictions/Requirements: Minimum passing grade of "C-" or above required in each PBH course to progress in the program. Open to PBH majors only.
Course Repeatability: Course may not be repeated.

REC 265 - Leisure and Society

An introduction to leisure as a significant force in contemporary life. The importance of leisure for individuals, groups and cultures is explored through social, technological, psychological, historical, philosophical, anthropological, and economic foundations.

Credit Hours: 3

Additional Restrictions/Requirements: Open to REC majors and minors or consent of instructor.
University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

Total: 20 hours

Women's and Gender Studies Minor

The College of Humanities, Social Sciences, and the Arts offers an interdisciplinary minor in Women's and Gender Studies. The minor provides diverse intellectual frameworks for investigating issues related to women, gender, and sexuality, including the history and function of gender roles, the construction of gendered identity in diverse cultural contexts, the experience of masculinity and femininity across the lifespan, patterns and consequences of discrimination, and the development of organized women's social movements. Students augment core requirements with coursework in anthropology, classics, criminology, English, health, history, philosophy and religion, political science, psychology, social work, and sociology. Students should contact the director of Women's Studies and Resource Center for additional information.

Admission Requirements

Current UNCW Undergraduate Students

- See University Admission Requirements

Requirements for a Minor in Women's and Gender Studies

Core Course (3 Credit Hours)

WGS 210 - Introduction to Women's Studies

This course introduces students to the discipline of women's and gender studies. Status of women from a variety of historical, economic, cultural, and theoretical perspectives. Topics include masculinity, femininity, violence, reproductive health, issues in sexual orientation, and the intersectional dynamics of race, class, and gender.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

Additional Core Courses (6 Credit Hours)

ANT 303 - Culture and Gender

A cross-cultural study of gender in a selection of societies from African, American Indian, Asian, and Central and South American cultures.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in Our Diverse Nation, Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

ENG 230 - Women In Literature

Modern literature by and about women. Focuses on changes in images and roles of women. May include fiction, poetry, drama, and nonfiction.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives, Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.

PAR 225 - Religion and Gender

Introduction to the study of gender in religious studies. Examines how constructions of gender have influenced the practice of religion and definitions of agency, power, and liberation among religious people. Topics vary.

Credit Hours: 3

University Studies: Approaches and Perspectives/Historical and Philosophical Approaches, Approaches and Perspectives/Living in Our Diverse Nation, Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

SOC 350 - Gender and Society

Focus on gender in social life. Theoretical explanations of gender differentiation, with an emphasis on socialization, stratification, family, work, education, politics, and social change.

Credit Hours: 3

Prerequisite Courses: SOC 105
University Studies: Approaches and

Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

WGS 212 - Sexuality and Gender

Theoretical and cultural contexts and complexities of sexuality as they relate to the dominant culture. Intersections of race, class, gender and sexual orientation will be examined in relation to the formation of sexual identity and the contradictions of institutionalized norms and standards.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

WGS 230 - Women in Film

Survey and analysis of films by women filmmakers throughout the world. Diverse film styles, periods, and genres will be represented. Screening and discussion of cinematic works in their original language with

English subtitles when needed.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives
Crosslisting: WLC 230, FST 230
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

Elective Courses (9 Credit Hours)

ANT 206 - Cultural Anthropology

A presentation of the content and historical development of cultural anthropology. Deals with the cultural relativism, ethnocentrism, institutional analysis and cultural integration and shifts in theoretical perspectives by comparing ethnographies of selected cultures.

Credit Hours: 3

University Studies: Approaches and

Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

ANT 303 - Culture and Gender

A cross-cultural study of gender in a selection of societies from African, American Indian, Asian, and Central and South American cultures.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in Our Diverse Nation, Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

ANT 324 - Human Biological Variation

Nature and extent of heritable differences among human populations in evolutionary perspective. Consideration of effects of environmental factors on genic expression.

Credit Hours: 3

Prerequisite Courses: ANT 210

Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
University Studies: Building Competencies/Information Literacy, Building Competencies/Information Literacy, Building Competencies/Writing Intensive, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

ANT 325 - Human Growth and Development

Human growth and development from an evolutionary perspective. Topics to be addressed include differences and similarities in primate life histories, uniqueness of particular human life history traits, and the evolution of human development as traced through the fossil record. Relationships among growth, development, and health will be explored.

Credit Hours: 3

Prerequisite Courses: ANT 210
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

ARH 312 - Women in Art

Historical survey of women artists and their artistic contributions, as well as an examination of the religious, mythological, and secular images of women in art.

Credit Hours: 3

Prerequisite Courses: ARH 201 or ARH 202 or ARH 204
Additional Restrictions/Requirements: Consent of instructor can be given in place of prerequisites.
University Studies: Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

CLA 330 - Women in Ancient Greece and Rome

Women in ancient Greece and Rome through documentary, artistic and literary sources. Women's economy and community, medical issues, slavery, religion, construction of gender roles, and images of heroines in literature and the arts.

Credit Hours: 3

Additional Restrictions/Requirements: Sophomore, junior, or senior standing.
University Studies: Approaches and Perspectives/Historical and Philosophical Approaches, Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

COM 211 - Storytelling and Culture

Exploration of stories as the production and communication of culture. Emphasis on storytelling as performance with attention to personal stories, stories of others, shared cultural stories including fairy tales, myths, and folktales.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in Our Diverse Nation, Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.

COM 358 - Diversity in Public Communication

Rhetorical practices of groups and individuals from diverse populations including race, ethnicity, gender, and disability.

Credit Hours: 3

Prerequisite Courses: COM 101 or COM 105
Course Repeatability: Course may not be repeated.

COM 365 - Media, Identity and Difference

Examines representations of difference (of ability, socioeconomic class, gender, race, ethnicity, sexuality, etc.) and identity in media. Key debates regarding media representations of minorities as well as strategies to promote and create more diverse and inclusive representations will be explored. Students will engage in critique of media artifacts through writing and primary research.

Credit Hours: 3

Prerequisite Courses: COM 104 or COM 105 or COM 160
Additional Restrictions/Requirements: Prerequisite

courses or consent of instructor.
Course Repeatability: Course may not be repeated.

CRM 315 - Victimology

Role of victims in crime and criminal justice system. Special focus on sexual battery, battered women and child abuse.

Credit Hours: 3

Prerequisite Courses: CRM 105
Course Repeatability: Course may not be repeated.

CRM 370 - Racialization and the Criminal Justice System

Study of the relationships between racialization and criminalization. Exploration of the social, political and legal conceptions of "crime" and "justice" using critical perspectives and theories of crime.

Credit Hours: 3

Prerequisite Courses: CRM 105.
Additional Restrictions/Requirements: Prerequisite

course plus 3 additional hours in CRM.
Course Repeatability: Course may not be repeated.

CRM 376 - Juvenile Delinquency

The analysis and description of the problem of juvenile delinquency as it exists in a changing contemporary society.

Credit Hours: 3

Prerequisite Courses: SOC 105
Crosslisting: SOC 376
Course Repeatability: Course may not be repeated.

ECN 429 - Economics of Growth and Development

Economic principles are developed and applied to evaluate theories of economic growth and development in an international context. Major topics include: Measuring growth, theory of economic growth, the economics of poverty, agricultural issues, health, nutrition, productivity, gender bias, education, and technological change; government failures, migration and population growth, theories of income distribution,

human capital theory, social capital theory, the effect of geography on growth, and sustainable development.

Credit Hours: 3

Prerequisite Courses: ECN 222.
Additional Restrictions/Requirements: Prerequisite courses and either admission to Cameron School of Business or declared minor in economics.
University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

EDN 200 - Teacher, School and Society

This course examines historical, sociological, and philosophical foundations of education as well as issues of diversity. The course engages students' knowledge, research, and analytical skills in relation to the goals and purposes of education. Students are challenged to critically reflect on personal and educational experiences as preservice professionals. The course is designed to provide opportunities to observe and engage in reflective discussion of curriculum and instructional practices,

school governance and organization, and school-community relationships, inclusive of field experience. **Additional liability insurance expense may be necessary.** The lab for this course is EDNL 200.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in Our Diverse Nation, Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.

EDN 330 - Teaching Diverse Learners (K-6)

Examines a range of aspects of diversity, with a view toward understanding the impact of these forces on teaching and learning. Uses an interdisciplinary approach that draws from academic and community resources and experiences to immerse students in practice and research related to multicultural education and multiple dimensions of diversity.

Credit Hours: 3

Prerequisite Courses: EDN 300 and EDN 301
Course Repeatability: Course may not be repeated.
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

EDN 334 - Social Studies Curriculum and Instruction (K-6)

An overview of the goals of social studies education and how this affects various patterns of organizing curricular content. The implications of learner developmental characteristics for selecting approaches to instruction from history as well as the social and behavioral sciences will be explored. Emphasis on selection and preparation of appropriate materials including the strategies of inquiry, critical thinking, mapping and graphing, simulation, and problem solution. Field experiences required.

Credit Hours: 3

Prerequisite Courses: EDN 301
Additional Restrictions/Requirements: Prerequisite course and 6 hours of social studies content.
University Studies: Building

Competencies/Information Literacy
Course Repeatability: Course may not be repeated.
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

EDN 370 - Gender and Education

This course will investigate the historical and contemporary issues related to gender, sexuality, and sex education. Specific topics will include: the construction of gender identity in educational settings, educational practices that reinforce or challenge gendered identities, single-sex education, and sexuality education. Students in the course will also explore laws and policies related to gender and sexuality in education.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

ENG 344 - Latino Voices in American Literature

ENG 204 or ENG 205 recommended but not required. Study of literature that reflects the Latino heritage of American-born writers or immigrants to the U.S. who

write in English. May include such authors as Sandra Cisneros, Richard Rodriguez, Cristina Garcia, Ilan Stevens, Julia Alvarez, and Oscar Hijnelos.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
University Studies: Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.

ENG 230 - Women In Literature

Modern literature by and about women. Focuses on changes in images and roles of women. May include fiction, poetry, drama, and nonfiction.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives, Approaches and Perspectives/Living in

Our Diverse Nation
Course Repeatability: Course may not be repeated.

ENG 232 - African American Literature

Introduction to the African American literary tradition through a focus on genre, historical era, or major themes, such as nationalism, religion, or urban culture. Topics/historical periods may vary according to instructor.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives, Approaches and Perspectives/Living in Our Diverse Nation, Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

ENG 325 - Studies in Sociolinguistics

ENG 204 or ENG 205 recommended but not required. An examination of the way language varies according to social characteristics such as age, gender, ethnicity, class, individual style, social networks, and language

attitudes.

Credit Hours: 3

Prerequisite Courses: ENG 103 or ENG 200 or ENG 201
Course Repeatability: Course may not be repeated.

ENG 337 - Victorian Literature

Study of representative texts from the Victorian era, 1830-1900, against the historical and cultural backdrop of urbanization, industrialism, and the rise of the British Empire. May include writers such as Tennyson, the Brownings, Arnold, the pre-Raphaelites, Dickens, Eliot, and Gaskell.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

ENG 341 - Studies in the Global South

Study of literature, cultural practices, politics, and concepts related to the Global South, with an emphasis on Latin America, South Asia, Africa, the Caribbean, and possible reverberations/intersections in the US South.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

ENG 373 - Women's Literary Traditions

Study of gender issues, themes, and character portrayal in literature by women, as well as consideration of the ways in which women writers both follow and challenge literary conventions. May be repeated under a different subtitle.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 103 or ENG 201, or consent of instructor. ENG 205 is strongly recommended.
University Studies: Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

FRH 319 - Introduction to the Francophone World

An exploration of the diverse regions of the French-speaking world through the study of current cultural, literary, social, and linguistic issues.

Credit Hours: 3

Prerequisite Courses: FRH 301 or FRH 302 or FRH 303 or placement by exam.
Additional Restrictions/Requirements: Permission of instructor.
University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives, Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

GER 331 - Fairy Tales: From Grimms to Disney

German fairy tales of the Romantic era, including both literary fairy tales and folk fairy tales. Comparisons to other fairy tale traditions and adaptations. Attention to the literary, feminist, and historical elements of the fairy tale genre. Taught in English.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

HEA 205 - Human Sexuality

Taught from a health educator perspective, focusing on empirically based information covering: human sexual response, development of sex roles and orientation, reproduction, birth control, and STI's. Provides opportunities for students to review their beliefs in the context of the historic, cultural and social factors that impact how we perceive sexuality.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

HST 250 - North Carolina Indians

North Carolina Indian history from pre-Columbian times to present day. Topics include identity of North Carolina Indians; social, religious, political, and economic life; gender roles; European and American interaction; development of state and federal policy and Indian response; status of Indians in contemporary North Carolina and United States.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.

HST 336 - American Indian History to 1900

North American Indian cultures and history from the pre-Columbian era to the end of the nineteenth century. Topics include Indian social, political, and economic life, religion and worldview, and gender roles; European and American interaction; development of federal Indian policy and the Indian response; status of Indians in contemporary America.

Credit Hours: 3

Additional Restrictions/Requirements: Any HST course or consent of instructor.
Course Repeatability: Course may not be repeated.

HST 340 - Race, Gender, and Citizenship

Examines the shifting meanings of citizenship in the U.S. from 1790 to the present, with particular emphasis on the political and legal history of citizenship. Includes study of reform movements challenging hierarchical concepts of civic membership and the role of naturalization and immigration policies in regulating access to citizenship.

Credit Hours: 3

Additional Restrictions/Requirements: Any HST course or consent of instructor.
Course Repeatability: Course may not be repeated.

INT 311 - Film and the Feminine Ideal in Post Communist Eastern and Central European Cinema

An introduction to gender in transitional societies, politics, and economics through the medium of film with a focus on Post Communist Eastern and Central European women.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

NSG 330 - Maternal-Infant Nursing

Introduces core concepts of nursing essential to the role of the professional nurse caring for families. The course content will include health promotion and restoration for the childbearing family during the prenatal, perinatal and postnatal periods, along with professional values of client-centered care, life-long learning and quality improvement. Applications of concepts and essential psychomotor skills are demonstrated in clinical experiences working with clients in culturally diverse agencies.

Credit Hours: 4

Corequisite Courses: NSG 329
Prerequisite Courses: NSG 326
Course Repeatability: Course may not be repeated.

NSG 480 - Transcultural Nursing

Explores values and belief systems influencing health behaviors of culturally diverse groups. Emphasizes cultural, social, political, and economic forces that influence access to and use of health care resources. Identifies a conceptual basis for assessment, planning, implementation, and evaluation of health care for culturally diverse clients. Fosters cultural sensitivity to life styles, values, and concepts concerning health and health care. The goal of this course is to broaden the student's perception and understanding of health/HEALTH and illness/ILLNESS and the variety of meanings these terms carry for members of differing sociocultural populations.

Credit Hours: 3

Additional Restrictions/Requirements: Open only to students in RNBSN program.

University Studies: Approaches and Perspectives/Living in a Global Society
Crosslisting: NSG 580
Course Repeatability: Course may not be repeated.

PAR 211 - Philosophy of Human Nature

A survey and evaluation of past and present theories of human nature; to include such topics as nature and culture, freedom and rationality, issues in gender identity, and theories of education and human development.

Credit Hours: 3

University Studies: Approaches and Perspectives/Historical and Philosophical Approaches, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

PAR 225 - Religion and Gender

Introduction to the study of gender in religious studies. Examines how constructions of gender have influenced the practice of religion and definitions of agency, power, and liberation among religious

people. Topics vary.

Credit Hours: 3

University Studies: Approaches and Perspectives/Historical and Philosophical Approaches, Approaches and Perspectives/Living in Our Diverse Nation, Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

PLS 316 - Women in Politics

Introduction to political perspectives on sex role differentiation. Among the topics to be discussed will be political socialization of women in ancient and modern society; women's roles in politics and government; political consequences of women's entry into the work force; and contemporary issues in the women's movement. Emphasis will be placed throughout on comparative political analysis.

Credit Hours: 3

Prerequisite Courses: PLS 101 or PLS 111
Additional Restrictions/Requirements: Prerequisite

courses or consent of instructor.
Course Repeatability: Course may not be repeated.

PSY 265 - Human Sexual Behavior

Psychological aspects of human sexuality with emphasis on psychosexual development and behavior. Includes discussion of causative factors and treatment of sexual disorders and deviations.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

PSY 271 - Psychology of Human Diversity

The contribution of psychology to the understanding of diversity in our society. Biopsychosocial aspects of diversity and methods of increasing understanding and inclusiveness will be emphasized. The psychological nature of stereotyping, discrimination, and prejudice will be examined.

Credit Hours: 3

Prerequisite Courses: PSY 105
University Studies: Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

PSY 366 - Psychology of Close Relationships

Personality development within close relationships including recent theoretical and empirical findings on courtship, interpersonal attraction, marriage contract, and the various stages of the family life cycle. Communication, familial functioning and dysfunctioning are emphasized.

Credit Hours: 3

Prerequisite Courses: PSY 264 or PSY 246
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

REC 391 - Sport, Culture and Society

An examination of the role of sport in contemporary American society, and how sport is linked to the structure and dynamics of social organizations. The

impact of sports on culture, specifically: values, ethics, race, gender, discrimination, economics and the media will be studied.

Credit Hours: 3

Prerequisite Courses: REC 265
Additional Restrictions/Requirements: Open only to students within the REC major and minor or by permission of instructor.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 304 - Popular Culture

Sociological analysis of popular forms of everyday life in America: fashion, fads, entertainment trends, advertising, television programming, music, myths, stereotypes, and icons of mass-mediated culture.

Credit Hours: 3

Prerequisite Courses: SOC 105
University Studies: Approaches and Perspectives/Living in Our Diverse Nation, Building

Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 215 - Modern Social Problems

Contemporary social issues and conditions viewed as problematic, such as racism, sexism, crime, poverty, war, alienation, and deviance.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 250 - Issues in Social Justice

Overview of the sociological study of social justice and policies that proclaim to promote social justice in the United States. Examines various forms of institutionalized inequality on the basis of social class, race/ethnicity, gender and sexuality.

Credit Hours: 3

Prerequisite Courses: SOC 105.
University Studies: Approaches and Perspectives/Living in a Diverse Nation
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 320 - Rural Sociology

An examination of the issues and perspectives in rural sociology. Multiple sociological aspects of rural life will be explored focusing on gender, race, social class and social change.

Credit Hours: 3

Prerequisite Courses: SOC 105
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 325 - Racial and Ethnic Group Relations

An examination of race and ethnicity in modern societies and social, economic, and political inequalities among racial and ethnic groups. Major topics include political-economic causes and consequences of prejudice, racism and institutional discrimination; social history of intergroup relations in the United States; comparative intergroup relations.

Credit Hours: 3

Prerequisite Courses: SOC 105
University Studies: Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 336 - Sociology of Aging

Sociological theories and methods used to explain the aging process. Topics include demography, age stratification, aging and the life course, minority elderly, housing patterns, health, and social policy.

Credit Hours: 3

Prerequisite Courses: SOC 105 or GRN 101
University Studies: Approaches and Perspectives/Living in Our Diverse Nation, Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 345 - Sociology of the Family

Origin and development of the family as a social institution from an historical and comparative approach; analysis of forms and functions of the family; socialization, mate selection, procreation.

Credit Hours: 3

Prerequisite Courses: SOC 105
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 370 - Sociology through Film

Use of film to examine sociological concepts, social forces, and social issues. Viewing feature-length films with a critical eye enables exploration of social

phenomena, including race/ethnicity, social class, gender, sexuality, cultural capital, and social identity.

Credit Hours: 3

Prerequisite Courses: SOC 105
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 376 - Juvenile Delinquency

The analysis and description of the problem of juvenile delinquency as it exists in a changing contemporary society.

Credit Hours: 3

Prerequisite Courses: SOC 105
Crosslisting: CRM 376
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 399 - Topical Seminar

Discussion of selected topics in sociology. May be repeated under a different subtitle.

Credit Hours: 1 To 3

Prerequisite Courses: SOC 105
Additional Restrictions/Requirements: Prerequisite course and consent of instructor.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 9

SWK 311 - Child Abuse and Neglect

Study of the knowledge base, laws, and professional roles associated with contemporary child welfare practice. Identification of child maltreatment, reporting procedures and community-based interdisciplinary practice issues are emphasized. Upon acceptance to the NC Child Welfare Education Collaborative, students must complete both SWK 311 and SWK 312 before admission to a DSS field placement.

Credit Hours: 3

Additional Restrictions/Requirements: Students

must earn a "C" or better in each SWK course in order to progress in the program.
Course Repeatability: Course may not be repeated.

SWK 320 - Human Behavior and the Social Environment I

Perspectives on human development and behavior in diverse contexts, including: culture, oppression, poverty, gender, ethnicity, physical and social settings. Implications for social work practice and policies. Prenatal Through Adolescence.

Credit Hours: 3

Corequisite Courses: SWK 240 and SWK 355, and SWKL 240, each with a grade of 'C' or better.
Prerequisite or Corequisite Courses: SWK 235 with a grade of 'C' or better.
Additional Restrictions/Requirements: Restricted to BSW majors main campus and/or extension site. Students must earn a "C" or better in each SWK course in order to progress in the program.
University Studies: Building Competencies/Writing

Intensive
Course Repeatability: Course may not be repeated.

SWK 321 - Human Behavior and the Social Environment II

Perspectives on human development and behavior in diverse contexts, including: culture, oppression, poverty, gender, ethnicity, physical and social settings. Implications for social work practice and policies. Young Adulthood Through Death.

Credit Hours: 3

Corequisite Courses: SWK 396 and SWK 443, each with a grade of 'C' or better.
Prerequisite Courses: SWK 320 with a grade of 'C' or better.
Additional Restrictions/Requirements: Restricted to BSW majors main campus and/or extension site. Students must earn a "C" or better in each SWK course in order to progress in the program.
University Studies: Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

SWK 335 - Social Welfare Policies

Social, cultural, economic, and political influences on the social welfare system. Policymaking, program development and planning.

Credit Hours: 3

Corequisite Courses: SWK 396.
Prerequisite Courses: SWK 235 and PLS 101.
Additional Restrictions/Requirements: Restricted to BSW majors main campus and/or extension site. Students must earn a "C" or better in each SWK course in order to progress in the program.
University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors, Building Competencies/Information Literacy, Writing Intensive
Course Repeatability: Course may not be repeated.

SWK 355 - Issues in Diversity for Generalist Practice

Values, biases, and prejudices which produce personal and social vulnerability. Consequences in the lives of people of color, women, the poor, gays and lesbians,

and others.

Credit Hours: 3

Corequisite Courses: SWK 240 and SWKL 240 and SWK 320, each with a grade of 'C' or better.
Prerequisite or Corequisite Courses: SWK 235 with a grade of 'C' or better.
Additional Restrictions/Requirements: Restricted to BSW majors main campus and/or extension site. Students must earn a "C" or better in each SWK course in order to progress in the program.
University Studies: Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.

SWK 417 - Constructing Masculinities: from Boyhood to Manhood

Impact of biological-psychological-social/cultural influences on male development, the construction of multiple masculinities and the consequent impact on men's lives, their families, and society. Discussion of implications for social work practice and social policy.

Credit Hours: 3

Prerequisite Courses: SOC 105
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 350 - Gender and Society

Focus on gender in social life. Theoretical explanations of gender differentiation, with an emphasis on socialization, stratification, family, work, education, politics, and social change.

Credit Hours: 3

Prerequisite Courses: SOC 105
University Studies: Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

WLC 205 - Perspectives in World Cinema

Survey of selected international cinemas with emphasis on major narratives, trends, and movements examined in the context of the language, history, politics, and culture of their respective countries. Possible topics to be explored through film include national identity, (post) colonialism, ethnicity, gender, sexuality, class, globalization and transnational exchanges.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SOC 335 - The Sociology of Deviant Behavior

Analysis of certain behavior in terms of deviations from norms. Application of sociological and psychological concepts and theory to deviant behavior, and critical evaluation of non-sociological research and theories.

Credit Hours: 3

Prerequisite Courses: SOC 105
Crosslisting: CRM 335
Course Repeatability: Course may not be repeated.

WGS 212 - Sexuality and Gender

Theoretical and cultural contexts and complexities of sexuality as they relate to the dominant culture. Intersections of race, class, gender and sexual orientation will be examined in relation to the formation of sexual identity and the contradictions of institutionalized norms and standards.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

WGS 230 - Women in Film

Survey and analysis of films by women filmmakers throughout the world. Diverse film styles, periods, and genres will be represented. Screening and discussion of cinematic works in their original language with English subtitles when needed.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives
Crosslisting: WLC 230, FST 230
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

WGS 280 - Special Topics in Women's and Gender Studies

Study of selected topics in Women's and Gender Studies that are not considered in detail in regular course offerings.

Credit Hours: 3

University Studies: Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6

WGS 491 - Directed Individual Study

Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies

section in this catalogue.

Credit Hours: 1 To 3

Additional Restrictions/Requirements: WGS minor, overall minimum GPA of 2.00, and consent of instructor, WGS coordinator and dean.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 9

WGS 495 - Seminar in Women's and Gender Studies

Intensive interdisciplinary study of a topic or theme in women's studies, such as women and sports, women in art history, or feminist theory.

Credit Hours: 3

Prerequisite Courses: WGS 210
Additional Restrictions/Requirements: Prerequisite course and 6 additional hours of courses in the WGS minor or consent of instructor.

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

WGS 498 - Internship in Women's and Gender Studies

Practical experience through a program of work and study within an agency or other setting related to the student's principal area of interest. Area of concentration, requirements, and means of evaluation to be defined in consultation with supervising faculty.

Credit Hours: 3

Additional Restrictions/Requirements: Junior or senior standing, minimum of 12 hours in women's and gender studies or consent of coordinator.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

Total Credit Hours: 18

Additional Information:

Departmental prerequisites may apply, see course instructor for detail. NSG 330 and NSG 486 have NSG pre-requisites and are restricted to nursing majors. Other appropriate courses may satisfy the elective requirements if approved by the director.

Students must have a "C" (2.00) average in courses counted toward the minor. No more than 9 hours in a single discipline may be counted toward the minor.

Yoga Studies Minor

http://www.uncw.edu/hahs

Requirements for a Minor in Yoga Studies

Core Courses

WPA 220 - Introduction to Yoga Methodology and Techniques

This course provides a foundational study and application pertaining to the study of yoga and its history, literature, philosophy and practice. This course draws from multiple yoga traditions with the emphasis placed on Patanjali's, Yoga Sutras. Students will be

taught yoga techniques, teaching methodology, and the practice of asana, pranayama, meditation, and other traditional yoga techniques.

Credit Hours: 3

Prerequisite Courses: WPAL 101.
Additional Restrictions/Requirements: Students must have some yoga experience (>10 hours of practicing yoga).
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

WPA 420 - Advanced Yoga Teaching, Methodology, and Practicum

This course provides a continuation of the study towards a Yoga minor. The topics include in-depth study of the biopsychosocial approach to wellness, posture and breathing techniques and practice, teaching methodology, anatomy and physiology, yoga philosophy, and ethics.

Credit Hours: 3

Prerequisite Courses: WPA 220
Course Repeatability: Course may not be repeated.

WPA 295 - Special Topics in Physical Activity and Wellness

Course shell for future special topics courses. Course descriptions and SLOs will be established and approved by local curriculum committees before offering the course.

Credit Hours: 1 To 3

Prerequisite Courses: WPAL 101 or PED 101
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 9 **Repeat Limit:** 2

EXS 216 - Human Anatomy and Physiology I

Examines seven of the major organ systems that includes the human integumentary, skeletal, muscular, circulatory, and respiratory structures and functions as related to health and movement.

Credit Hours: 3

Corequisite Courses: EXSL 216
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural Word
Course Repeatability: Course may not be repeated.

EXSL 216 - Human Anatomy and Physiology I Laboratory

EXSL 216 is the study of the anatomical and functional characteristics of the human body including the skeletal, muscular, circulatory, and respiratory systems with emphasis on health and physical activity.

Credit Hours: 1

Prerequisite Courses: Prerequisite or corequisite: EXS 216.
Course Repeatability: Course may not be repeated.

OR

BIO 240 - Human Anatomy and Physiology I

Lecture must be taken concurrent with BIOL 240 . An introduction to the human organism with particular emphasis on maintenance of an internal steady state. Tissues, musculoskeletal, nervous, and endocrine

systems are stressed. The lab for this course is BIOL 240.

Credit Hours: 3

Corequisite Courses: BIOL 240.
Prerequisite Courses: BIO 201 and CHM 101 and CHML 101.
University Studies: Approaches and Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

BIOL 240 - Human Anatomy and Physiology Laboratory I

Basic histology, dissections, and physiology experiments to demonstrate principles explored in BIO 240. This course is the lab for BIO 240.

Credit Hours: 1

Prerequisite Courses: Prerequisite or corequisite: BIO 240.
University Studies: Approaches and

Perspectives/Scientific Approaches to the Natural World
Course Repeatability: Course may not be repeated.

PAR 232 - Asian Religions

A survey of Hinduism, Buddhism, Taoism, and Confucianism; historical aspects, basic insights, contemporary relevance.

Credit Hours: 3

University Studies: Approaches and Perspectives/Historical and Philosophical Approaches, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

EXS 201 - Principles and Application of Group Exercise Instruction

This course is designed to provide theoretical knowledge and practical skills in preparation for group exercise instruction and sitting for a national certification exam in group fitness instruction. Topics include guidelines for instructing safe, effective, and

purposeful exercise, essentials of the instructor–participant relationship, principles of motivation to encourage adherence in the group fitness setting, effective instructor-to-participant communication techniques, methods for enhancing group leadership, and the group fitness instructor's (GFI's) professional role.

Course Repeatability: Course may not be repeated.

OR

RTH 375 - Recreation Therapy Processes and Techniques

This course will provide students a comprehensive overview and knowledge of processes and techniques used by recreation therapists to establish and maintain effective therapeutic helping relationships. Theories specific to the helping process, facilitation skills, leadership styles, group dynamics, activity and task analysis, modifications and assistive devices will be covered.

Credit Hours: 3

Prerequisite or Corequisite Courses: RTH 368 with a C- or better.
Additional Restrictions/Requirements: Corequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

RTH 381 - Recreation Therapy TX Modalities I

Emphasis on leadership, group processing, activity adaptation, behavior management, therapeutic communication, social skills, leisure education, and challenge activities. Field work required.

Credit Hours: 3

Prerequisite Courses: RTH 375 with a C- or better.
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

*RTH students may take RTH 375 and RTH 381 in place of EXS 201

Electives Courses (3 Credit Hours)

One of the following (3 credit hours)

ATR 220 - Functional and Structural Kinesiology

Prerequisite: BIO 201; Corequisites: BIO 240, BIOL 240 and BIO 241, BIOL 241 or EXS 216, EXSL 216 and EXS 217. This course is designed to provide students with a foundation of structural anatomy and basic kinesiology concepts, with a focus on anatomy of the skelton, muscles, and ligaments in relation to functional human movement.

Credit Hours: 3

Corequisite Courses: BIO 240 and BIOL 240 and BIO 241 and BIOL 241 and EXS 216 and EXSL 216 and EXS 217
Prerequisite Courses: BIO 201
Course Repeatability: Course may not be repeated.

CHHS 210 - Creating Happiness and Well-Being

An introduction to the study of topics related to happiness and its impact on quality of life. Students will learn principles and theoretical models targeted at

increasing and/or sustaining happiness. The course will focus on big-picture issues and real-world applications.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.

HEA 325 - Health and Aging

An introduction to health characteristics of the aging population. Topics include biomedical changes of various body systems and lifestyle factors such as nutrition, stress, drugs, exercise and sexuality. Field experience required.

Credit Hours: 3

Prerequisite Courses: GRN 101
Course Repeatability: Course may not be repeated.

SWK 425 - Mindfulness: Implications for Personal Wellbeing and Professional Practice

Elective course open to all majors and designed to acquaint students with the concept of mindfulness, its connection to personal wellbeing,and its relevance to future professional practice.

Credit Hours: 3

Additional Restrictions/Requirements: Students must earn a "C" or better in each SWK course in order to progress in the program.
Crosslisting: SWK 525
Course Repeatability: Course may not be repeated.

WPA 210 - Plant-Based Living for Wellness

This course is designed to explore plant-based living including if plant-based diets may offset the world's population growth and environmental concerns related to factory farms and climate change, the role of plant-based lifestyles, physical activity, and stress management in chronic disease prevention, reviewing scientific literature regarding plant-based living, and the principles of planning a healthful whole food plant-based meal plan.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

Total Credit Hours: 19-25

Minor with Licensure

Integrated STEM with Teaching Licensure Minor

The Watson College of Education and the College of Science and Engineering, offer an interdisciplinary minor in Integrated Science, Technology, Engineering and Mathematics (iSTEM) with Teaching Licensure designed to enable students earning a B.S. degree in the following STEM disciplines: biology, chemistry, computer science, environmental studies, mathematics, and physics, earn a teaching licensure.

Requirements of an Integrated STEM with Teaching Licensure Minor

The program consists of a selection of courses designed as Integrated STEM, coupled with pedagogy courses that also stress STEM Integration. Since students earning a B.S. in the specified disciplines will complete the Integrated STEM courses as part of their

major, the minor provides a pathway for students enrolled in the program to earn their teachng licensure while completing only 29 additional hours of pedagogy courses. For purposes of this program, a course designated as an Integrated STEM course must include one of the following learning outcomes:

- Demonstrate knowledge of connections among two or more STEM disciplines; and
- Apply STEM problem solving methodologies, such as the scientific method, the engineering design process, or modeling, to real world problems.

iSTEM Courses (25-30 hours total completed as part of the student's major)

UNI 101 iSTEM section (3 hours)

Lower-level iSTEM courses (13-16 hours). Complete iSTEM designated sections of four of the following courses:

*MAT 161 , MAT 162, MAE 206, *EVS 205, *BIO 201, *EVS 195 and EVSL 195, *GLY 101, *CHM 101, *CHML 101 *CSC 112, *STT 215, *PHY 201. Note: * indicates University Studies courses.

Upper-level iSTEM courses (6-8 hours). Complete iSTEM designated sections of two of the following courses:MAT 361, CHM 415, BIO 366 and BIOL 366, BIO 335 and BIO 366, CSC 340, MAT 335, CHM 417, EVS 360, EVS 445, PHY 311, PHY 400.

iSTEM Capstone (3 hours). Complete a 3-hour discipline specific iSTEM capstone in one of the following courses: BIO 495 (1-3) and BIOL 495 (1), CHM 495 (1), CSC 495 (1), EVS 495 (1), MAT 495 (3), PHY 497 (1)

Secondary Teaching Licensure - Education Courses (29 hours)

The following courses will be taken along with lower-level iSTEM courses:

SEC 206 - Inquiry-Based Learning

This course is designed to familiarize teacher candidates with the principles of inquiry-based learning and strategies and to provide opportunities for implementing inquiry-based learning instruction and projects in their classrooms. Students will gain hands-on experience developing collaborative, inquiry-based

projects that support their curricular goals. The course is required for students who intend to complete the iSTEM minor with teaching licensure option.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SEC 225 - iSTEM - Early Field Experience

This course must be taken with UNI-iSTEM 101. This section of the course focuses on interpretation and evaluation of the development of public education in the United States. Students are introduced to diversity issues in STEM education and are challenged to critically examine STEM education issues within the context of the public education and classrooms they visit. Criminal background check is required to visit schools.

Credit Hours: 1

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 1

SEC 305 - Diverse Learners in Secondary Schools

Focus on teaching diverse learners in the high school classroom including students with disabilities, culturally and linguistically diverse individuals, students identified as academically gifted and talented, and students at risk for school failure. Instructional practices and classroom management strategies that support the learning of all students in general education classes will be explored.

Credit Hours: 3

Corequisite Courses: SEC 320
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SEC 325 - iSTEM - Student Teaching I

iSTEM - Student Teaching I is the co-planning/co-teaching practical experience for students seeking to become secondary STEM teachers. Candidates will be placed in secondary STEM classrooms and/or STEM centers with an emphasis on analyzing diverse learners and developing inquiry-based instruction as assigned.

Credit Hours: 1

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 1

Note: Students must sucessfully complete lower-level iSTEM courses with a GPA at or above 2.5 and complete education courses including required field based experience I with a cumulative GPA at or above 2.70. Eligible students must apply to the Integrated STEM Licensure program upon completion of the lower-level iSTEM courses and education courses, and be admitted to the secondary teachng licensure program.

The following courses will be taken along with upper-level iSTEM courses:

SEC 407 - iSTEM - Project Based Instruction and Assessment

This course addresses the distinctive features of project-based learning and the associated teaching practices. It will provide conceptual tools and analytic skills essential to designing and developing assessment to be applied in a secondary STEM

instructional setting. Attention will be given to the essential components of projects, including challenging problems or questions, sustained inquiry, authenticity, student voice and choice, reflection, critique and revision, and public product. The teaching practices that will be addressed include planning, scaffolding student learning, managing activities, and building a culture of inquiry thorugh projects. Students will construct assessments that align with best practices in teaching inquiry-based and project-based design instruction.

Credit Hours: 3

Corequisite Courses: SEC 421
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

SEC 425 - iSTEM - Student Teaching II

iSTEM Student Teaching II is the co-planning and co-teaching practical experience for students seeking to become secondary STEM teachers. Students will develop, teach and assess student learning in a secondary STEM classroom setting with an emphasis

on project-based instruction.

Credit Hours: 3

Prerequisite Courses: SEC 407
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

Choose from one of the following courses:

EDN 442 - Introduction to Gifted Education

Focuses on the study of gifted education including historical and current views in the field. Emphasis placed on understanding the unique characteristics of gifted learners, issues of identification, and traditionally underrepresented populations. Includes readings, lecture, discussion, presentations, and applied learning assignments.

Credit Hours: 3

Crosslisting: EDN 552
Course Repeatability: Course may not be repeated.

SEC 410 - ESL Topics for Secondary Teachers

Corequisites: SEC 403, SEC 404, SEC 405, or SEC 406; SEC 421 and SEC 422. This course will introduce Secondary educators to the field of English as a second language and meeting the needs of students with limited formal schooling, long term English language learners and older language learners. Topics include cross-cultural communications, ESL methodology, assessment and curriculum adaptation.

Credit Hours: 3

Prerequisite Courses: SEC 205
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

SED 354 - Curriculum and Methods of Instruction for Secondary Transition

Practical application of legal requirements for preparing students with disabilities for transition into employment, post-secondary education, and independent living, including pre-vocational and vocational methodologies, student-centered planning, and interagency linkages.

At least 15 hours of field experience required.

Credit Hours: 3

Prerequisite Courses: SED 372, SED 369, SEDL 369, and SED 370.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3
Additional Course Fee Schedule

Note: Students must sucessfully complete Praxis II exams and apply for internship teaching.

The following courses will be taken along with the iSTEM Capstone course:

SEC 432 - iSTEM - Student Teaching III

Students will be placed in STEM practicum sites and teach in their areas of specialization and licensure. Students will apply knowledge of content, pedagogy and research skills during the experience. They will demonstrate evidences of integrated STEM teaching and learning in a secondary setting. Students must achieve "met" in all areas of the Intern Performance

Scale/Certification of Teaching Capacity to be recommended for iSTEM secondary licensure.

Credit Hours: 9

Corequisite Courses: SEC 430
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 9

SEC 435 - iSTEM - Education E-Portfolio and Reflective Seminar

The course supports students' professional growth and reflection throughout the internship. It focuses on planning and developing effective integrated STEM instructional strategies and assessing the impact of instruction on student learning. Emphasis is given to 1) acquisition of STEM leadership qualities and characteristics, 2) professional documentation of reflective growth, and 3) integration of effective classroom management strategies. This course also involves completing a research project conducted during the internship and developing an oral presentation of the project.

Credit Hours: 3

Corequisite Courses: SEC 431
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

Note: Successful completion of reflective seminar including acceptable submission of e-portfolio including reflection on inquiry-based and project-based action research results, and secondary student learning evaluatons results; summary of hours; focused observation forms, and submission of NC Folio.

Certification

Students must declare a certificate program through the Registrar's Office.

Actuarial Science Certificate

Actuarial work has been consistently considered as one of the best jobs because of its high demand, great job security, nice salary, and on-the-job training provided by employers.

This certificate program will provide guidance for actuarial study at UNCW, and ensure comprehensive training in economics, finance, mathematics and statistics. It features two courses preparing students for exam P and exam FM. Students are expected to take both of the exams, and qualify for all the Validation of Educational Experience (VEE) requirements for the associate of actuaries. The student's transcript will list the certificate along with other degrees earned.

Registration

The Certificate in Actuarial Science appears in UNCW's catalogue as a certificate degree option. Students may log in to UNCW SeaPort, and add the certificate program through "Major declaration/Curricular updates".

Requirements

Admission Requirements:

In order to be admitted to the program, students must achieve a minimum grade of 'C-' for each of the following courses:

MAT 161 - Calculus with Analytical Geometry I

Calculus of a single variable intended for students in the mathematical and natural sciences. Functions and limits; differentiation with applications including maxima and minima, related rates, and approximations; theory of integration with applications; and transcendental functions.

Credit Hours: 4

Prerequisite Courses: MAT 112 or MAT 160, or satisfactory performance on the UNCW mathematics placement test.
University Studies: Foundations/Mathematics and Statistics, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

MAT 162 - Calculus with Analytical Geometry II

The second course in a three-course sequence. Further techniques and applications of integration; infinite sequences and series; conic sections, parametrized curves and polar coordinates; and, elementary differential equations.

Credit Hours: 4

Prerequisite Courses: MAT 161.
University Studies: Foundations/Mathematics and Statistics, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

STT 215 - Introduction to Statistics

Methods of data collection; numerical and graphical analyses of univariate and bivariate data; axioms of probability; conditional probability; independence; distributions of random variables; introduction to confidence intervals and hypothesis testing; simple linear regression and correlation; use of statistical software to analyze data and simulate random variables.

Credit Hours: 3

University Studies: Foundations/Mathematics and Statistics
Course Repeatability: Course may not be repeated.

BAN 280 - Statistical Analysis for Business and Economics

Classification and presentation of business and economics data, probability and expected value, statistical inference, simple linear regression and correlation analysis.

Credit Hours: 3

Prerequisite Courses: MAT 111 or MAT 150.
University Studies: Foundations/Mathematics and Statistics
Course Repeatability: Course may not be repeated.

Program Requirements: A total of 21-22 credit hours.

Core courses:

A total of 12 credit hours:

STT 315 - Introduction to Probability

Introduction to calculus-based probability. Topics include: discrete and continuous random variables and probability distributions; mathematical expectation and variance; sampling distributions and the central limit theorem.

Credit Hours: 3

Prerequisite Courses: MAT 152 or MAT 162.
Course Repeatability: Course may not be repeated.

MAT 381 - Introduction to Financial Mathematics

An introduction to the theory of interest and financial economics. This course is designed to comply with the requirements for actuarial exam FM.

Credit Hours: 3

Prerequisite Courses: MAT 162
Course Repeatability: Course may not be repeated.

MAT 468 - Probability Models with Actuarial Applications

A review of fundamental probability tools for quantitative risk assessment. An introduction to the knowledge of insurance and risk management. Students learn to apply basic probability modeling techniques in a risk management context. This course

is designed to comply with the requirements for actuarial exam P.

Credit Hours: 3

Prerequisite Courses: STT 315
Course Repeatability: Course may not be repeated.

STT 412 - Applied Regression and Correlation

Review of elementary statistics; linear and multiple regression; correlation. Statistical software packages used as appropriate in problem solving.

Credit Hours: 3

Prerequisite Courses: MAT 335
Additional Restrictions/Requirements: Any elementary statistics course.
Course Repeatability: Course may not be repeated.

ECN 377 - Introduction to Econometrics and Data Analytics

Introduction to applied estimation, testing and interpretation of economic models useful for business

and policy decision-making. Emphasis on applied, client-driven model formulation, data acquisition and manipulation, and model estimation using statistical regression in a desktop computing environment. Extensive practice in interpretation of results for business and policy audiences.

Credit Hours: 3

Prerequisite Courses: ECN 222 and (MAT 151 or MAT 161) and (BAN 280 or STT 215).
Additional Restrictions/Requirements: Prerequisite courses and either admission to Cameron School of Business or declared minor in economics.
Course Repeatability: Course may not be repeated.

Electives:

A total of 9-10 credit hours from the following courses. Students are required to complete at least one of the following three course sequences.

ACG 201 - Financial Accounting

An introduction to the basic framework of accounting for students majoring in accountancy or other

disciplines. Includes preparation of financial records and external financial reports. Emphasis on the underlying accounting concepts and constraints. The lab for this course is ACGL 201.

Credit Hours: 3

Corequisite Courses: ACGL 201
Prerequisite Courses: MAT 111 or MAT 150 or MAT 160
Course Repeatability: Course may not be repeated.

ACGL 201 - Financial Accounting Lab

This course is the lab for ACG 201.

Credit Hours: 1

Corequisite Courses: ACG 201
Course Repeatability: Course may not be repeated.

ACG 203 - Managerial Accounting

An introduction to the concepts and techniques used by management to analyze and interpret accounting data in the organization.

Credit Hours: 3

Prerequisite Courses: ACG 201 and ACGL 201
Course Repeatability: Course may not be repeated.

ECN 221 - Principles of Economics-Micro

Analysis of decision-making processes and economic equilibrium for the individual firm and consumer at an introductory level.

Credit Hours: 3

Prerequisite Courses: MAT 111 or MAT 150 or MAT 151 or MAT 160 or MAT 161
University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

ECN 222 - Principles of Economics-Macro

Aggregate economic analysis examining the effects of fiscal and monetary policy upon aggregate

employment, income and prices at an introductory level.

Credit Hours: 3

Prerequisite Courses: ECN 221
University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.

FIN 335 - Principles of Financial Management

An introduction to the finance function of business enterprise and to the analytical techniques used in making investment and financing decisions.

Credit Hours: 3

Prerequisite Courses: Prerequisite ACG 201, ECN 222 and (BAN 280 or STT 215); or prerequisite STT 315 and corequisite MAT 381.
Course Repeatability: Course may not be repeated.

FIN 336 - Intermediate Corporate Finance

The study of the theory and practice of corporate finance with special emphasis on the evaluation and financing of capital expenditures. Topics include cash flow determination, firm valuation, the Capital Asset Pricing Model, and an introduction to option pricing.

Credit Hours: 3

Prerequisite Courses: FIN 335
Additional Restrictions/Requirements: Prerequisite course and admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.

Additional Information:

Students must maintain an overall 3.0 GPA or above to be in the program, and are expected to take Exams P and FM before the conclusion of the program.

Esports Performance and Management

This 15 credit hour certificate in Esports Performance and Management is designed to meet the needs of those who are interested in improving their knowledge and skills of leadership, coaching and mentorship, creating esports and gaming content and media,

incorporating esports and gaming into education, and designing and managing esports programs and events. The certificate program serves undergraduate students who desire to expand their knowledge and skills to have a career in esports and related events.

Requirements for a Certificate in eSports Performance and Management:

> There are two options to complete this certificate: **Credits / Units:** 9
> Option 1 - You can choose to take all 15 credits from MIT Esports Courses which includes MIT 470, 472, 473, 476, 498 **Credits / Units:** 9
> Option 2 - MIT Esports Core of 9 credits: MIT 470, 472, 473 and then 6 credits outside esports in the courses approved below. **Credits / Units:** 9

MIT 470 - Introduction to Gaming and Esports

Introduces learners to gaming and esports, the history, current state, and future. Students will identify how these industries are set up and managed. Students will learn about current leagues and games in both collegiate and professional esports, qualities of a game

that makes it successful, describe how esports and games generate revenue, the relationship of gaming and esports and video games to education, and introduce them to the technology used in competition. Learners will also be introduced to the principles of leading, planning, and budgeting.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

MIT 472 - Streaming audio and video for Esports and Gaming

Designed to explore the process of streaming audio and video for Esports events and gameplay. This includes identifying hardware, software, and techniques used professionally for streaming gameplay.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

MIT 473 - Esports Media and Content

Examines the role of public performance rights, ethics, fundraising/sponsorship, and peer communication have on Esports events. Learners will learn to connect with stakeholders, players, and the community via various technologies.

Credit Hours: 3

University Studies: Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

MIT 498 - Esports Performance and Practice Internship

Internships are off- or on-campus experiences designed to provide learners with the opportunity to apply knowledge gained from courses to a professional work environment. Internships are completed under the guidance of an on-site supervisor and a faculty sponsor.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

MIT 476 - Esports and Gaming Capstone

This course requires students to conduct a focused study of a research topic in the practical application of gaming and esports. Students will work under the guidance of one or more faculty members to select a topic, conduct research, and develop a written analysis and oral presentation.

Credit Hours: 3

Course Repeatability: No

Choose 6 credits from the following: **Credits / Units:** 6

COM 280 - Introduction to Digital Media Production

Introduction to the process, technologies, and aesthetics of digital video and audio production. Topics include field and studio TV production, editing, lighting, sound acquisition, project planning and writing, emerging technologies, and career preparation.

Credit Hours: 3

Prerequisite Courses: Prerequisite or Corequisite: COM 105, or consent of instructor.
Additional Restrictions/Requirements: Sophomore standing or higher.
Course Repeatability: Course may not be repeated.

COM 355 - Rhetorical Analysis

Application of methodologies to analyze and critique the rhetorical features and dimensions of a wide range of cultural artifacts including songs, visual media, speeches, architecture, paintings, and others.

Credit Hours: 3

Prerequisite Courses: COM 301.
Additional Restrictions/Requirements: COM Majors or permission of instructor.
University Studies: Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.
Major Restriction COM Majors

COM 380 - Field Video Production I

Hands-on field video production including project planning, script writing, filming, recording, and editing. Emphasis on mastery of digital camera operation, audio acquisition, lighting, and digital editing. Students complete a variety of short productions working individually and in small teams.

Credit Hours: 3

Prerequisite Courses: (COM 280 or FST 201) and COM 105 with a minimum grade of B
Additional Restrictions/Requirements: Prerequisite courses and consent of instructor. Restricted to PCOM and COM majors.
Course Repeatability: Course may not be repeated.
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

COM 382 - Studio Video Production I

Introduction to multi-camera studio video production in a variety of genres. Skills developed include fundamental directing, studio camera operation, audio gathering and mixing, lighting and set design, and producing skills through the completion of group

projects.

Credit Hours: 3

Prerequisite Courses: COM 280
Additional Restrictions/Requirements: Or permission of instructor.
Course Repeatability: Course may not be repeated.
Major Restriction PCOM and COM Majors

COM 465 - Media and Popular Culture

Exploration of the intersection between mass and social media and popular culture. Topics include media effects, cultural difference, fan experience and more. Students use media theories and rhetorical tools to conduct critical analysis of media artifacts. Students complete projects suitable for presentation at an undergraduate conference.

Credit Hours: 3

Additional Restrictions/Requirements: Junior or senior standing.
University Studies: Explorations Beyond the

Classroom, Approaches and Perspectives/Living in Our Diverse Nation, Building Competencies/Writing intensive
Course Repeatability: Course may not be repeated.
Major Restriction Communication Studies**Minor Restriction** Journalism

EBD 280 - Entrepreneurship for Non-Business Majors

Primary focus on the entrepreneurial mindset and the process for starting a business. Specific areas include the characteristics of successful entrepreneurs, profiles of successful new businesses, identifying and evaluating new business opportunities, and developing the business plan. Social and developmental entrepreneurship are also addressed.

Credit Hours: 3

University Studies: Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.

EBD 281 - Creativity and Innovation

Primary focus on the processes for fostering creativity and innovation. Emphasis on the creative process, creative problem solving, and intrapreneurship. Particular attention directed to the development of new products, services, processes, and business models.

Credit Hours: 3

Course Repeatability: Course may not be repeated.

EBD 301 - Entrepreneurial Finance for Non-Business Majors

Course provides students with the knowledge and skills necessary to manage cash as well as manage the necessary records in a small business. Topics include: calculating startup costs, running a monthly, quarterly and annual budget for a business, understanding the different sources of capital and how to obtain them, projecting income and what investors, lenders and grant organizations look for in an entrepreneurial venture. SBIR/STTR funding, financial analysis and record-keeping necessary to comply with federal, state, and local tax law are also addressed.

Credit Hours: 3

Prerequisite or Corequisite Courses: EBD 280 OR EBD 282
Additional Restrictions/Requirements: This course is for non-business majors and students in the BA Economics program. Students pursuing a BSBA in the Cameron School may not take this course.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

EBD 302 - Managing & Marketing for Entrepreneurs

Focus on key organizational activities that facilitate the growth and management of an enterprise. Provides valuable information for effective marketing techniques designed to grow, compete, and sustain the business. Focus on managing human resources and the ability to strategically develop the business model as it progresses through growth phases. Focus on key organizational activities that facilitate the growth and management of an enterprise. Provides valuable information for effective marketing techniques designed to grow, compete, and sustain the business. Focus on

managing human resources and the ability to strategically develop the business model as it progresses through growth phases. Students will also learn successful exit strategies for a business. Leadership, management, positioning, legal strategies, sales strategies, and scaling strategy are also addressed.

Credit Hours: 3

Prerequisite or Corequisite Courses: EBD 280 OR EBD 282
Additional Restrictions/Requirements: This course is for non-business majors and students in the BA Economics program. Students pursuing a BSBA in the Cameron School may not take this course.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

MGT 350 - Principles of Management

Study of theories, research and concepts underlying the structure and processes of complex organizations. Emphasis on problem solving issues and applications in organization design, leadership, motivation and

interpersonal communications.

Credit Hours: 3

Additional Restrictions/Requirements: Sophomore standing or admission to the Cameron School of Business.
University Studies: Approaches and Perspectives/Living in Our Diverse Nation, Approaches and Perspectives/Understanding Human Institutions and Behaviors
Course Repeatability: Course may not be repeated.

MKT 342 - Social Media Marketing

Survey course of the unique aspects of marketing through social media. Focus is on the application of new and emerging social media communication systems and practices that are becoming major elements in integrated marketing communication programs.

Credit Hours: 3

Prerequisite Courses: MKT 340 with a minimum

grade of C-.
Additional Restrictions/Requirements: Admission to Cameron School of Business
Course Repeatability: Course may not be repeated.
Major Restriction Bachelor of Science in Business Administration**Minor Restriction** none

MKT 345 - Sports & Sponsorship Marketing

An overview of the marketing of sports at the professional and collegiate levels, as well as the use of sport sponsorships by commercial enterprises to help market products and services. The course will cover topics related to the economics of sports, the creation and management of sports brands, and the use of the marketing mix to increase the participation and consumption of sports products. Students will also learn how to utilize sponsorship activities, such as licensing, endorsements, and venue-naming rights, to create enduring emotional connections between sport properties and consumers.

Credit Hours: 3

Prerequisite Courses: MKT 340 with a grade of C- or

better
Additional Restrictions/Requirements: Prerequisite course and admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

MKT 340 - Principles of Marketing

Introduction to the concepts, activities and decisions that relate to the marketing function in domestic and international business. Focus on development and implementation of marketing strategies through the use of marketing mix variables of product, price, distribution, and promotion.

Credit Hours: 3

Additional Restrictions/Requirements: Sophomore standing or admission to the Cameron School of Business.
Course Repeatability: Course may not be repeated.

REC 270 - Program Planning and Leadership

An introduction to recreation program planning, including: needs assessments, organization,

implementation, and evaluation of leisure services.

Credit Hours: 3

Additional Restrictions/Requirements: Appropriate major or minor, or consent of instructor.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

REC 380 - Marketing for Tourism, Recreation, and Sport

Development of marketing plans and strategies for recreation, sport and tourism industries. Emphasis on analyzing the marketing process and planning the marketing mix.

Credit Hours: 3

Additional Restrictions/Requirements: REC majors and minors only or permission of instructor.
University Studies: Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

REC 381 - Meetings, Expositions, Special Events and Conventions

An overview of the convention, exposition, meeting, and convention and visitors bureau industries and the career options within; provision of an essential understanding of the components involved in the operation of successful meetings, conventions, and special events.

Credit Hours: 3

Additional Restrictions/Requirements: REC majors and minors only or permission of instructor.
Course Repeatability: Course may not be repeated.
Major Restriction REC**Minor Restriction** REC

REC 391 - Sport, Culture and Society

An examination of the role of sport in contemporary American society, and how sport is linked to the structure and dynamics of social organizations. The impact of sports on culture, specifically: values, ethics, race, gender, discrimination, economics and the media will be studied.

Credit Hours: 3

Prerequisite Courses: REC 265
Additional Restrictions/Requirements: Open only to students within the REC major and minor or by permission of instructor.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

REC 393 - Campus Recreation and Sports Administration

Introduction to the multi-faceted recreational offerings provided by campus recreation departments, including planning, programming, administration, and the function of campus recreation. Field work required.

Credit Hours: 3

Prerequisite Courses: REC 265
Additional Restrictions/Requirements: REC majors and minors only or by permission of instructor.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

REC 394 - Recreational Sports and Fitness Facility Operations

Examination of key issues in recreational facility organization and management including facility operation, administration, and program promotion within a facility. Emphasis on supervision, maintenance, and operation of leisure areas and facilities. Field work required.

Credit Hours: 3

Prerequisite Courses: REC 265
Additional Restrictions/Requirements: REC majors and minors only or by permission of instructor.
Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

REC 396 - Leisure, Health, and Wellbeing

Examination of how recreation, parks and leisure contribute to the health and wellbeing of individuals, families, communities, and societies.

Credit Hours: 3

Prerequisite Courses: REC 265, REC 270.
Additional Restrictions/Requirements: Restricted to REC majors.
Course Repeatability: Course may not be repeated.
Major Restriction REC

REC 397 - Collegiate and Professional Sport Management

This course serves as an overview to the field of sport management and provides an opportunity for the exploration of effective management strategies and the body of knowledge associated with pursuing a career in sport management, specifically within professional and collegiate sport settings. Content will focus on the history, leadership, marketing, facility and event management, and financial principles within professional and collegiate sport. Additionally, topics specific to professional sport will cover communications, analytics, sales, sponsorships and licensing, while collegiate sport concepts will focus on governing bodies, compliance and Title IX, academics and eligibility, media relations, alumni relations and support services.

Credit Hours: 3

Prerequisite Courses: REC 265, REC 270.
Additional Restrictions/Requirements: Restricted to REC majors.
Course Repeatability: Course may not be repeated.
Major Restriction REC

Professional Writing Certificate

Skill with written communication is crucial to career advancement in business, technology fields, the sciences, and other professional environments. A graduate in any discipline who is credentialed as a professional writer has greatly increased employability. The Certificate in Professional Writing advances writing skills by providing foundational education in rhetoric, design, and editing, and offering courses in areas including:

- Business Writing
- Digital Writing
- Science Writing
- Multimedia Writing
- Journalism
- Technical Writing

The Certificate in Professional Writing is a separate credential that does not replace your major or minor. Any UNCW undergraduate may earn the certificate by completing 21 hours of coursework, including a writing internship (which requires a 3.0 major GPA). Your transcript will list the certificate along with other degrees earned.

Requirements for Certification in Professional Writing:

ENG 204 - Introduction to Professional Writing

An introductory survey of concepts in professional writing, including audience analysis, research methods, visual thinking, and composing processes. Includes a service-learning component.

Credit Hours: 3

University Studies: Building Competencies/Writing Intensive, Building Competencies/Information Literacy, Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.

ENG 498 - Internship in Writing

Minimum GPA applies. Academic training and practical writing experience through work in a private company or public agency. Faculty supervision and evaluation of all study and on-site activity.

Credit Hours: 3

Additional Restrictions/Requirements: Junior or senior standing and consent of the internship coordinator.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12
Additional Course Fees: Student Blanket Professional Liability InsuranceAdditional Course Fee Schedule

3 hours from:

ENG 309 - Technical Editing

Focus on the fundamentals of effective writing, organization, and design in order to develop the language and proficiencies necessary to edit print and digital texts used in a range of organizations.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 204, or consent of instructor.
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
University Studies: Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

ENG 310 - Editing for Journalism and Mass Media

Instruction in revising, editing and copy editing. Techniques and strategies for getting prose ready for publication. Extensive practice in editing.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 204, or consent of instructor.
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
University Studies: Building

Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

3 hours from:

ENG 314 - Digital Composing

Study of the intersection between writing and technology, including Web page creation, documentation, usability, desktop publishing, and the use of graphics with text.

Credit Hours: 3

Prerequisite Courses: ENG 204 or ENG 205 or permission of instructor.
University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

ENG 319 - Document Design

Study of effective design of print and electronic documents. Emphasis on browsing patterns, usability, the interaction of text and graphics, and visual rhetoric. Includes a service-learning component.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 204, or consent of instructor.
University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

9 additional hours from:

ENG 202 - Introduction to Journalism

Introduction to news values, style, and writing. Focus is on writing news leads and news stories under deadline pressure. Also included: note taking, interviewing, and an introduction to feature writing.

Credit Hours: 3

Prerequisite Courses: ENG 103 or ENG 200 or ENG 201
Additional Restrictions/Requirements: Prerequisite courses or consent of instructor.
University Studies: Building Competencies/Writing Intensive, Building Competencies/Information Literacy,

Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.

ENG 302 - Journalism Workshop

Continuation of ENG 202. Focus is on gathering news from various community and campus sources and writing in news style under deadline pressure. Also included: some attention to feature and editorial writing.

Credit Hours: 3

Prerequisite Courses: ENG 202
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.

ENG 303 - Reading and Writing Arguments

Instruction in rhetorical principles and their use in both analyzing and constructing persuasive texts.

Credit Hours: 3

University Studies: Building Competencies/Writing Intensive, Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

ENG 305 - Professional Review Writing

Critical and analytical writing intended for publication in newspapers, magazines, and journals.

Credit Hours: 3

University Studies: Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives, Building Competencies/Writing Intensive, Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.

ENG 308 - Grant and Proposal Writing

Study of grant and proposal writing for use in non-profit organizations, educational settings, and businesses. Emphasis on research methods, planning, developing funding relationships, and writing collaboratively. Includes a service-learning component.

Credit Hours: 3

University Studies: Building Competencies/Writing Intensive, Explorations Beyond the Classroom
Course Repeatability: Course may not be repeated.

ENG 309 - Technical Editing

Focus on the fundamentals of effective writing, organization, and design in order to develop the language and proficiencies necessary to edit print and digital texts used in a range of organizations.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 204, or consent of instructor.
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
University Studies: Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

ENG 310 - Editing for Journalism and Mass Media

Instruction in revising, editing and copy editing. Techniques and strategies for getting prose ready for publication. Extensive practice in editing.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 204, or consent of instructor.
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
University Studies: Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

ENG 311 - Professional Magazine Writing

Writing of nonfiction prose intended for publication in newspapers, magazines, and journals.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 202, or consent of instructor.
Course Repeatability: Course may not be repeated.

ENG 312 - Writing Strategies for Business and Innovation

Advanced exploration of research and writing skills needed to plan and design texts for diverse audiences within organizational contexts. Projects include business plans, proposals, reports, and other genres developed using a variety of media. Includes instruction in graphically representing data and using social media for research and/or outreach.

Credit Hours: 3

University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

ENG 313 - Writing About Science, Medicine, and the Environment

Exploration of scientific discourse focusing on analyzing scientific texts and rewriting scientific and technical information for a variety of audiences. Includes the development of relevant research skills.

Credit Hours: 3

University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

ENG 314 - Digital Composing

Study of the intersection between writing and technology, including Web page creation, documentation, usability, desktop publishing, and the use of graphics with text.

Credit Hours: 3

Prerequisite Courses: ENG 204 or ENG 205 or permission of instructor.
University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

ENG 315 - Topics in Writing and Rhetoric

A focused study of a theme, issue, or genre in writing or rhetoric.

Credit Hours: 3

University Studies: Explorations Beyond the Classroom
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6 **Repeat Limit:** 1

ENG 316 - Analyzing Style

Analysis of written style, emphasizing rhetorical principles and textual features. Application of stylistic principles in the creation of written texts.

Credit Hours: 3

Course Repeatability: Course may not be repeated.
Maximum Repeatable Hours: 3

ENG 317 - Writing about Film

Instruction and practice in the techniques of writing essays about film. Writing assignments might include reviews, features, scholarly articles or theoretical essays.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite FST 205; or prerequisite: ENG 204, or consent of instructor.
University Studies: Building Competencies/Writing Intensive
Crosslisting: FST 317
Course Repeatability: Course may not be repeated.

ENG 318 - Writing and Activism

Study of visual and textual elements of documents generated in the service of activist causes. Themes may include propaganda, grassroots and electronic activism, and the negotiation of power.

Credit Hours: 3

University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

ENG 319 - Document Design

Study of effective design of print and electronic documents. Emphasis on browsing patterns, usability, the interaction of text and graphics, and visual rhetoric. Includes a service-learning component.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 204, or consent of instructor.
University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

ENG 326 - Writing with Artificial Intelligence

Introduction to the intersection of Artificial Intelligence (AI), writing, and content operations within the field of professional writing. Explores the fundamentals of AI and its application in automating and optimizing the content creation and distribution process.

University Studies: Building Competencies/Writing Intensive, Critical Reasoning
Course Repeatability: Course may not be repeated.

ENG 388 - Rhetorical Theory to 1900

Survey of major theories in rhetoric as they apply to written discourse from classical era to the end of the nineteenth century.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 204 or ENG 205, or consent of instructor.
University Studies: Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

ENG 389 - Rhetorical Theory since 1900

Survey of major theories in rhetoric as they apply to written discourse from the start of the twentieth century to the present.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: ENG 204 or ENG 205, or consent of instructor.
University Studies: Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

ENG 393 - Writing in the Scientific Disciplines

Rigorous introduction to writing for academic science contexts. Critically examines the current state of academic science writing and explores the multiple practical strategies scientists use to communicate in professional settings.

Credit Hours: 3

University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

ENG 404 - Advanced Professional Writing

Focus on the development of research, analysis, composition, and design strategies needed to complete complex writing projects within organizational contexts and create effective texts for a range of audiences. Topics may include user experience design, search engine optimization, and project management.

Credit Hours: 3

Prerequisite Courses: ENG 314 or ENG 319
Additional Restrictions/Requirements: Prerequisite

course or consent of instructor.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6 **Repeat Limit:** 1

ENG 412 - Writing in Intercultural and Global Contexts

Develops competency in writing within intercultural and global contexts. Focuses on developing critical perspective about cultural concepts and theories in the context of globalization through broader frameworks of discourse, commodities, space, and labor in everyday life.

Credit Hours: 3

University Studies: Building Competencies/Writing Intensive, Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may not be repeated.

ENG 414 - Writing for the Web

Explores visual rhetoric and new media theories to inform the analysis and production of texts in Web formats. Topics may include writing content for existing

Web outlets, markup conventions, search engine optimization, and modification of Content Managment System (CMS) and html/css templates.

Credit Hours: 3

Prerequisite Courses: ENG 314 or ENG 319
Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

ENG 417 - Research Methods in Professional Writing

Preparation and practice for applied research projects in the field of professional writing. Focus on both qualitative and quantitative methodologies including rhetorical approaches, ethnomethodologies, discourse analysis, network analysis, and usability.

Credit Hours: 3

University Studies: Common Requirements/Critical Reasoning
Course Repeatability: Course may not be repeated.

ENG 496 - Senior Seminar in Writing/Rhetoric

Intensive study of a theme, issue, or genre in writing/rhetoric. Provides significant student engagement. Required of English majors in Professional Writing Option; fulfills seminar requirement for Teacher Licensure.

Credit Hours: 3

Prerequisite Courses: ENG 204 or ENG 205
Additional Restrictions/Requirements: Prerequisite course, junior or senior standing, or consent of instructor.
University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

Total: 21 hours

Publishing Certificate

Majors only. Current practice, theory, and history of the publishing industry taught in conjunction with the UNCW Publishing Laboratory.

Requirements for a Certificate in Publishing:

15 hours

CRW 321 - Introduction to Book Publishing

Introduction to the culture and commerce of books. Examines the life cycle of a book; the people and processes involved in book publishing including editorial practice and the issues involved in editorial decision-making; and the business, economics, and ethics of the publishing industry. Engagement in a variety of publishing activities, such as a book proposal and mock book auction.

Credit Hours: 3

Prerequisite Courses: CRW 201
University Studies: Building Competencies/Information Literacy
Course Repeatability: Course may not be repeated.

CRW 322 - Editing for Publication

Intensive course in applied self-editing. Course content focuses on grammar, spelling, writing mechanics,

usage, precision, and best practices to prepare manuscripts for critique and consideration for publication. This core is a requirement for both the CRW major and the Certificate in Publishing.

Credit Hours: 3

Prerequisite Courses: Prerequisite or corequisite: CRW 207 or CRW 208 or CRW 209.
Additional Restrictions/Requirements: Restricted to CRW and Pre-CRW majors and CRW minors.
University Studies: Building Competencies/Writing Intensive
Course Repeatability: Course may not be repeated.

CRW 323 - Bookbuilding

Introduction to principles of effective graphic design and typography for book publishing, using desktop publishing applications in a computer lab setting and including hands-on production of several publications. Includes survey history and future trends in printing and publishing.

Credit Hours: 3

Prerequisite Courses: CRW 207 or CRW 208 or CRW 209
Additional Restrictions/Requirements: Prerequisite courses or consent of instructor.
Course Repeatability: Course may not be repeated.

CRW 324 - Special Topics in Publishing

Intensive examination of a special area of publishing, such as electronic publishing, editing poetry, or history of the book.

Credit Hours: 3

Prerequisite Courses: CRW 207 or CRW 208 or CRW 209
Additional Restrictions/Requirements: Prerequisite courses or consent of instructor.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 9

CRW 325 - Literary Magazine Practicum

Applied course in the publication of a literary journal. The practical business of running a literary magazine,

including editorial, marketing, and sales decisions. Assignments include reading submissions, proofreading and fact-checking, assisting in the creation and production of promotional materials, commenting on design decisions, selecting artwork/illustrations, and meeting production deadlines.

Credit Hours: 3

Prerequisite Courses: CRW 201
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6

CRW 425 - Advanced Topics in Publishing

Intensive examination of an advanced area of publishing, such as an area of specialization within book editing, book arts or design, the history of independent book or magazine publishng, or for a course taught by a guest instructor.

Credit Hours: 3

Prerequisite Courses: CRW 321 and CRW 323
Crosslisting: CRW 525

Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

CRW 460 - Publishing Practicum

Practical course in book and periodical publishing, in conjunction with the CRW Publishing Laboratory. Hands-on experience editing, designing, and producing publications such as books, chapbooks, literary broadsides, and promotional materials.

Credit Hours: 1 To 3

Prerequisite Courses: CRW 323 and (CRW 321 or CRW 322)
Additional Restrictions/Requirements: Prerequisite courses or consent of instructor.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 6

Additional Information:

Students seeking to enroll in the publishing certificate program may do so only after submitting a successful application including a 500-word statement of interest for review by the faculty. Students must also have

demonstrated their talent and dedication by completing both of the introductory courses in publishing (CRW 321, CRW 322) with a minimum grade of "B" and an overall grade point average of 2.75. Students must have been admitted to the certificate program in order to receive permission to enroll in CRW 460: Publishing Practicum.

Beyond the minimum grades of "B" in CRW 321 and CRW 322, a grade of "C-" or better is required in each course counted toward the certificate, and a grade point average of "C" (2.00) or better for all courses counted toward the certificate.

Honors

Honors College

(http://www.uncw.edu/honors)

UNCW's Honors College provides opportunities for undergraduates to engage in independent and creative scholarly activity. The Honors College directs the four-year honors curriculum and departmental honors, offers opportunities to develop a global perspective, supports undergraduate research for all UNCW graduates, and

mentors UNCW students through the application process for national scholarships and fellowships.

The mission of the Honors College at the University of North Carolina Wilmington is to attract and retain academically talented students. The Honors College offers a powerful learning experience by encouraging curiosity, critical thinking, and independent work skills, and by developing a community of honors scholars on campus. The program is committed to offering opportunities to students as they pursue their academic passions in college. The vision of the program is to encourage and support life-long learning, including a global perspective.

Admission to Honors

Check with the Honors director for specific requirements and the application process at each level. Multiple points of entry into the Honors Scholars College are possible:

- As entering freshman (based on high academic achievement in high school)

- As second semester freshman or as sophomores (based on high academic achievement in freshman year, including transfer students)
- As juniors/seniors in Departmental Honors (including transfer students)
- As a transfer student (either in their first or second semester at UNCW)

Program Requirements for Graduation with University Honors

To graduate with University Honors, a student must:

1. Complete at least 9 credit hours of university studies courses as honors sections*
2. Complete 6 credits of "Interdisciplinary Honors Seminars" (HON 110 and one of the following: HON 210 or HON 211 or HON 212)*
3. Complete one credit of "Honors Enrichment Seminar" (HON 120 or HON 121) or one credit of HON 191*
4. Complete HON 399
5. Complete three additional honors credits (additional honors seminars or university studies courses as honors sections, or honors contract course, or semester study abroad)

6. Maintain academic eligibility: at the completion of 27 credit-hours at UNCW, an overall grade point average of 3.30 or better in all coursework is required. An overall grade point average of 3.50 or better must be established by the completion of 58 credit hours and maintained thereafter.
7. Earn a minimum of a "C" (2.00) in all honors work ("B" (3.00) in 499 and honors contract courses) and have a 3.00 overall GPA in all honors curriculum coursework. If a student earns a grade below a "C" in an honors university studies course, the grade may count toward that student's university studies requirements but not toward his or her honors requirements. If that student wishes to complete the honors requirements for University Honors, he or she must take an additional honors university studies course and earn no lower than a "C." Students earning below a "C" in HON 210 (or HON 211 or HON 212) or HON 120 (or HON 121) must take additional seminars, respectively, and earn no lower than a "C."
8. Complete requirements for Departmental Honors (see below)

*Note: transfer students and students entering after the fall of the freshman year must complete HON 210 (or HON 211 or HON 212); one credit hour of HON 120, HON 121, or HON 191; at least six hours of honors university studies courses; HON 399; and three additional honors credits (additional honors seminars or university studies courses as honors sections, or honors contract course, or semester study abroad).

Program Requirements for Graduation with Bridge Honors (transfer students only)

To graduate with Honors, a transfer student must:

1. Complete requirements for Departmental Honors (see below): an Honors research project (6 hours) in the student's major (XXX 499)
2. Complete 1-credit research course, either HON 399 or HON 191
3. Complete one of the following options for 5-6 additional credits:
    1. Students may take two (2) 3-credit courses: HON 210, HON 211, or HON 212

2. Students may take one (1) 3-credit class (HON 210, HON 211, or HON 212) AND two (2) 1-credit classes (HON 120, HON 121, or HON 399)
3. Students may complete 3 credits of high-impact practice approved by the Honors College AND one of the following options (other credit substitutions in this option may be granted by the Honors College):
    1. One (1) 3-credit class (HON 210, HON 211, or HON 212)
    2. Two (2) 1-credit class (HON 120, HON 121, or HON 399)
4. Earn a minmum of a "C" (2.00) in all honors courses counted towards graduation with Bridge Honors, earn a minimum of a "B" in XXX 499, and have a 3.00 overall GPA in all honors curriculum coursework. Students earning below a "C" in HON 210, HON 211, HON 212, HON 120, HON 121, HON 191, or HON 399 must take additional seminars, respectively, and earn no lower than a "C".

HON 120 - Honors Enrichment Seminar

Students study a specialty topic and participate in a variety of related enrichment activities on the campus and in the community. By direct contact, students have the opportunity to broaden their educational experience in both traditional and contemporary forums. Discussion and brief written assignments. May be repeated under different subtitles.

Credit Hours: 1

Additional Restrictions/Requirements: Formal enrollment in the Honors Scholars College or consent of the director.
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

HON 121 - Honors Enrichment Seminar: Explorations Beyond the Classroom

Students study a specialty topic and participate in a variety of related enrichment activities outside the classroom. By direct contact, students have the opportunity to broaden their educational experience in forums that emphasize applied learning. May include travel or field site experience as a component.

Discussion and brief written assignments, including intentional reflection. May be repeated under different subtitles.

Credit Hours: 1

Additional Restrictions/Requirements: Formal enrollment in the Honors Scholars College or consent of the director.
University Studies: Explorations Beyond the Classroom/Certified Internship Program
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

HON 191 - Introduction to Research and Discovery

Overview of research procedures in discipline areas, including literature searches and data collection, the scientific process and the nature of discovery. Guidance in developing a personal plan for immersion in research and scholarship as an undergraduate. Emphasis is on applied learning and developing basic skills appropriate to the discipline. Offered in different discipline areas such as Sciences, Education,

Humanities, Health Professions, Business, Social Sciences, Fine Arts.

Credit Hours: 1

Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 2 **Repeat Limit:** 1

HON 210 - Topical Interdisciplinary Honors Seminar

An in-depth investigation of a special topic using the approaches of several disciplines; may be team-taught. Topics and approaches vary. Examples are "Brain and Behavior"; "The Geography of Food"; "Nature: Literature and Science"; "Issues in Coastal Management." May be repeated under different subtitles.

Credit Hours: 3

Additional Restrictions/Requirements: Formal enrollment in the Honors Scholars College or consent of the director.

Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

HON 211 - Honors Topical Interdisciplinary Seminar: Living in our Diverse Nation

An in-depth investigation of a special topic related to the theme 'Living in Our Diverse Nation' using the approaches of several disciplines; may be team-taught. Topics and approaches vary. Examples are 'The Geography of Race Relations' and 'Immigration in the US'. May be repeated under different subtitles.

Credit Hours: 3

Additional Restrictions/Requirements: Formal enrollment in the Honors Scholars College or consent of the director.
University Studies: Approaches and Perspectives/Living in Our Diverse Nation
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

HON 212 - Honors Topical Interdisciplinary Seminar: Living in a Global Society

An in-depth investigation of a special topic related to the theme 'Living in a Global Society' using the approaches of several disciplines; may be team-taught. Topics and approaches vary. Examples are 'Brazilian Culture' and 'Germs of the World.' May be repeated under different subtitles.

Credit Hours: 3

Additional Restrictions/Requirements: Formal enrollment in the Honors Scholars College or consent of director.
University Studies: Approaches and Perspectives/Living in a Global Society
Course Repeatability: Course may be repeated.
Maximum Repeatable Hours: 12

HON 399 - A Preparation for the Honors Thesis

This course is designed as a workshop to help students prepare for the thesis experience in their senior year and develop a full-fledged proposal of their research project. Honors students in their junior year often ask themselves how to start a thesis, how to find a good topic of inquiry that suits them and their career goals,

how to define a research question, how to find an advisor, and what resources exist on campus to help them execute their project. The goal of this course is to "demystify" the thesis process, reassure students of its manageable scope, and help them understand the value of undergraduate research. The honors thesis places students in the role of a scholar leading an initiative. It offers them the opportunity to tap into their own curiosity, do original research on a topic of their choosing, formulate a question, design a plan to address that question, communicate what they learned to other scholars and peers, and write an outstanding thesis that best displays their skills in investigation, critical thinking, and communication.

Credit Hours: 1

Additional Restrictions/Requirements: Junior standing or consent of instructor.
Course Repeatability: Course may not be repeated.

Honors Courses

These courses are restricted to students formally enrolled in the Honors Program College or others

admitted by permission of the Honors director after consultation with the course instructor.

Honors sections of university studies courses: Each semester several honors sections of university studies courses will be offered on a rotating basis. These sections are usually restricted to 20 students to allow for enhanced student-faculty interaction and discussion.

Honors Seminars: Three kinds of honors seminars are offered each year. HON 110 is a team-taught, three-hour interdisciplinary course designed to introduce all freshman honors students to the college experience by direct involvement in research, service, and leadership activities. This course may not be repeated for additional credit. HON 120 and HON 121 are one-hour enrichment seminars that require student participation in a variety of campus visual/performing/cultural events, lectures, or research activities. HON 210, HON 211, and HON 212 are three-hour interdisciplinary seminars that offer in-depth investigations of a special topic using the approaches of several disciplines. These courses may be repeated under different subtitles. For a listing of these seminars, see the Course Descriptions section of this catalogue.

Departmental Honors

Upperclassmen who qualify as candidates for Departmental Honors must perform outstanding scholarly work appropriate to the academic standards of the student's major in the form of a six-credit Departmental Honors project. A student who fulfills requirements for Departmental Honors will be acknowledged as having done so upon graduation.

A student who previously has not participated in the honors program may qualify as a candidate for Departmental Honors based on the student's grade-point average. Students with at least 74 semester hours credit who have a grade point average of 3.20 or better on all college work attempted, who have completed at least 30 semester hours of work with a 3.20 or better grade point average at UNCW, and who are recommended by the major department chair (or dean where appropriate) are eligible to enroll in coursework with a 499 designation which indicates the senior project in that discipline. Academic departments may require a higher grade point average for eligibility for Departmental Honors in their discipline.

Departments in each discipline determine appropriate preparatory academic experiences for Departmental Honors in that field. Candidates for Departmental Honors may fulfill preparation for senior capstone work beginning in the junior year through one or more of the following:

1. Directed Individual Study (DIS) courses which lay the groundwork for more advanced projects;
2. Departmental or interdisciplinary seminars and/or internships which encourage independent work in a variety of ways such as performance, research, service;
3. Study Abroad; or
4. Honors components of regular department courses: "Honors Contract" courses at the 300 or 400 level in which an honors student and his or her instructor enter into a contract, which stipulates enhanced academic responsibilities for the student, such as presentations or papers. Successful performance in such classes is identified by the label "Honors Level Work" on the course as it appears in the student's transcript.

The Departmental Honors project culminates in independent study under the supervision of a faculty

member in the student's major field. This independent study must be completed in two three-credit hour semesters or three two-credit hour semesters. The results of the honors work are summarized in a paper and presented orally before an examining committee.

If a student must withdraw from the Departmental Honors Project (499), the faculty supervisor must notify the director of the Honors Scholars Program as soon as possible and indicate the reason for the withdrawal. In consultation with the honors director, the faculty supervisor may recommend that the student receive partial credit (0-3 hours total) for the honors work completed in the form of Directed Individual Study (491).

Honors Global Citizen Recognition

The Honors Global Citizen Recognition is an option for students completing University or Departmental Honors that encourages students to make global discoveries on campus and abroad. To qualify for this distinction, students must:

- Maintain the required honors GPA on all college work attempted in the United States or abroad.

- Develop and complete an honors project (499) that shows active engagement with global issues, such as an increased awareness of international issues, understanding of global interdependence, or demonstration of global citizenship. Proposals must be reviewed by the Office of International Programs and Honors Scholars Program, and application is done through the Departmental Honors application process described on the Honors website.
- Earn at least 6 student credit hours in a UNCW-approved education abroad program.
- Complete at least the 202 level, or equivalent, of a foreign language with a C or better grade.
- Complete at least one HON seminar with global content. These classes may be selected from an approved list maintained on the Honors website.
- Complete nine additional hours of 3-credit hour courses with global content with a C or better in each. These classes may be selected from courses approved for the International Studies major or minor, or from the university studies courses approved for global content. At least two disciplinary areas must be represented.

Co-Curricular Activities

Students will be offered opportunities and incentives to participate in co-curricular activities such as field trips, campus events, study abroad and community events.

Cornerstone Hall

Cornerstone Hall is a living-learning environment for students enrolled in UNCW's Honors Program. Cornerstone Hall features a dynamic student population with members committed to student leadership, scholarship, and service. In order to participate in the Honors Program and reside in Cornerstone Hall, residents must meet the following qualifications: (1) be enrolled in the Honors Program at UNCW; (2) be a full-time student each semester; (3) be in good standing with the university's student judicial program; and (4) be an active member of the community. Honors housing is also available in some other residence halls and interested students should contact the Honors Program.

Degree Programs and Requirements

- Undergraduate Degrees Offered By Type
- Undergraduate Programs A-Z
- Admission to Degree Programs
- Oral Communication Intensive Courses

Graduate Degrees Offered

View the current Graduate School Programs in the Graduate Academic Catalogue.

Admission to Degree Programs

New and re-enrolling freshmen, unclassified and special admission students, and other students who have not yet been accepted into a degree program are assigned to the University College for academic support. Each of these students is assigned a Center for Academic Advising advisor who assists the student in selecting courses to fulfill University Studies requirements, maintaining the required academic standards, and choosing a major. All advisors emphasize the importance of undertaking a rigorous academic load consisting of 15-16 credit hours each semester in order to complete all requirements for graduation within four years and can provide model four-year graduation plans for all majors offered by the university.

Admission to the College of Humanities, Social Sciences, and the Arts

Center for Academic Advising students wishing to declare a major within the College of Humanities, Social Sciences, and the Artsare eligible to do so after earning between 24 and 45 credits at UNCW. Students should review the requirementsof the major to determine if any specific requirements need to be completed before declaring. Students can then use the Declare Major Administration tool found on Seaport to declare the new major. The college encourages double majors and minors across all Colleges and within CHSSA. Students interested in CHSSA majors are invited to reach out to the CHSSA Advising Center for more information or to schedule a conversation.

Admission to UNCW and the Department of Music

Admission to UNCW and the Department of Music consists of a dual admission process. While application to the university is through the Office of Admissions, formal admission to the Department of Music and its degree programs must be made through an audition admission process. Additional information, including applications and deadline forms, is available on the following web site: http://uncw.edu/music/admissions/admissions-audition.html.

Admission to the College of Science and Engineering

University College students wishing to declare a major within the College of Science and Engineering are eligible to do so after earning between 24 and 45 credits at UNCW. Students should review the requirements of the major to determine if any specific requirements need to be completed before declaring. Students can then use the Declare Major Administration tool found on Seaport to declare the new major.

Admission to the Professional Colleges, Schools, and Programs

Center for Academic Advising students wishing to declare a major within a professional program will request to have their records transferred to the appropriate school after earning 24 credits at UNCW but before or during the semester that they complete 45 semester hours of credit. These students will then be assigned to that school or college for pre-professional advising.

Admission to Watson College of Education

Students seeking admission to the Watson College of Education must apply after meeting with their Watson College of Education advisor. Applications should be submitted as soon as admission requirements are met and must be completed no later than the semester prior to the student teaching semester, by the published deadline.
Students seeking admission to the Watson College of Education must submit an online application to the Office of the Associate Dean for Educator Preparation and Assessment and Accreditation. Applications should be submitted as soon as minimal requirements are met to allow students to proceed in upper-level coursework. Application instructions and deadline dates are

available https://uncw.edu/academics/colleges/wce/academic-programs/admissions-advising/admission-requirements

Admission to Cameron School of Business

Students seeking a B.S. in Business Administration or a B.A. in Economics are initially declared into a Pre-Major and must apply for admission to the Cameron School of Business at the direction of their assigned Academic Advisor. Information about the admission process and the eligibility requirements are outlined https://csb.uncw.edu/advising/admissions.html

Admission to College of Health and Human Services

Students seeking admission to the B.S. in Nursing program (Pre-licensure option or RN-BS option) within the School of Nursing must submit applications to the Office of Student Success in the College of Health and Human Services. Application forms and deadline dates are available from the School of Nursing and on the School of Nursing web site: Admissions Information: Prelicensure | UNCW.
Students seeking admission to the BSW program within the School of Social Work should contact the Office of Student Success in the College of Health and Human Services (910-962-3208 or chhs@uncw.edu). Information regarding application forms and deadline dates are available at Admission Requirements | UNCW.
Students seeking admission to the Recreation Therapy Program within the School of Health and Applied Human Sciences should contact the Office of Student Success in the College of Health and Human Services (910-962-3208 or chhs@uncw.edu). Information regarding application forms and deadline dates are available at Admission Requirements & Retention Information | UNCW.Recreation Therapy, B.S. Details | UNCW.

1. **Requirements for Admission to the Cameron School of Business**
   Please see Cameron School of Business .
2. **Requirements for Admission to the Watson College of Education and the Teacher Education Program**
   Please see Watson College of Education.
3. **Requirements for Admission to the Bachelor of Science Programs (nursing and clinical research) in the School of Nursing within the College of Health and Human Services**

Please see School of Nursing.

4. **Requirements for Admission to the Bachelor of Social Work Program in the School of Social Work within the College of Health and Human Services**
   Please see School of Social Work.
5. **Requirements for Admission to the Recreation Therapy Program in the School of Health and Applied Human Sciences within the College of Health and Human Services**
   Please see School of Health and Applied Human Sciences .

Oral Communication Intensive Courses

Departmental Honors

Upperclassmen who qualify as candidates for Departmental Honors must perform outstanding scholarly work appropriate to the academic standards of the student's major in the form of a six-credit Departmental Honors project. A student who fulfills requirements for Departmental Honors will be acknowledged as having done so upon graduation.

A student who previously has not participated in the honors program may qualify as a candidate for Departmental Honors based on the student's grade-point average. Students with at least 74 semester hours credit who have a grade point average of 3.20 or better on all college work attempted, who have completed at least 30 semester hours of work with a 3.20 or better grade point average at UNCW, and who are recommended by the major department chair (or dean where appropriate) are eligible to enroll in coursework with a 499 designation which indicates the senior project in that discipline. Academic departments may require a higher grade point average for eligibility for Departmental Honors in their discipline.

Departments in each discipline determine appropriate preparatory academic experiences for Departmental Honors in that field. Some examples of ways to prepare for a Departmental Honors Project might include one or more of the following:

1. Directed Individual Study (DIS) courses which lay the groundwork for more advanced projects;
2. Departmental or interdisciplinary seminars and/or internships which encourage independent work in a variety of ways such as performance, research, service;
3. Study Abroad; or
4. Honors components of regular department courses: "Honors Contract" courses at the 300 or 400 level in which an honors student and his or her instructor enter into a contract, which stipulates enhanced academic responsibilities for the student, such as presentations or papers.

The Departmental Honors project culminates in independent study under the supervision of a faculty member in the student's major field. This independent study must be completed in two three-credit hour semesters or three two-credit hour semesters. The results of the honors work are summarized in a paper and presented orally before an examining committee.
If a student must withdraw from the Departmental Honors Project (499), the faculty supervisor must notify the director of the Honors College as soon as possible and indicate the reason for the withdrawal. In consultation with the honors director, the faculty supervisor may recommend that the student receive partial credit (0-3 hours total) for the honors work completed in the form of Directed Individual Study (491).

Directed Individual Study

This course, designated as 491 in each department, involves investigation beyond what is offered in existing courses. To enroll in a Directed Individual Study, students must be a junior or senior. Additionally, students must have an overall grade point average of at least 2.00 and the approval of (1) the faculty member who will direct the study, (2) the departmental chairperson, and (3) the appropriate dean. Departmental criteria will include (1) the availability of the instructor (instructors may only supervise a limited number of independent studies each semester), (2) the appropriateness of and need for the proposed study in the student's program, (3) the availability of library and other research resources, and (4) the feasibility of completion of the proposed study in the allotted time. Students are limited to nine credit hours of Directed Individual Study toward graduation requirements.

Distance Education Programs

https://www.uncw.edu/online

The Division of Academic Affairs administers the university's distance education programs.

Undergraduate Programs

- Bachelor of Science in Nursing, B.S.N. (Accelerated Online)

- Clinical Research, B.S. (Online)
- Criminology, B.A. (Online)
- Elementary Education, B.A.(Online)
- Interdisciplinary Studies, B.A. (Online)
- International Studies, B.A. (Online)
- Middle Grades Education, B.A. (Online)
- Respiratory Therapy B.S. RRT-BSRT (Accelerated Online)
- Social Work, B.S.W. HS2SW (Online)
- Workforce Learning and Development, B.S. (Accelerated Online)

Minors

- Clinical Research Minor (Online)
- Online Teaching and Learning Minor (Online)
- Yoga Studies Minor (Online)

The Admissions Office receives applications for admission to all undergraduate extension/distance education programs.

Information concerning distance education courses may be obtained by contacting;

UNCW Office of Undergraduate Admissions

601 South College Road

Wilmington, NC 28403-5950

Phone (910) 962-3243

or by visiting https://www.uncw.edu/admissions or email admissions@uncw.edu.

Distance Education, Joint and Pre-Professional Programs

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[[permalink=2770|new:{'title':1}]][[/permalink]] (Online)

• Joint Programs

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Center for Academic Advising and the College of Health and Human Services jointly offers Pre-Professional Programs including one-on-one advising, programming and courses for all students interested in pursuing a graduate degree in legal education or admission to a professional school of health. Advisors are available by appointment or during drop-in hours and can assist students with navigating application timelines, requirements, and program prerequisites. Students are encouraged to get involved with volunteer opportunities, leadership roles in campus clubs and organizations, and take advantage of the Pre-Professional Programs' curricular programs and workshops that are offered to enhance their candidacy for graduate programs. Students can enroll with Pre-Professional Programs electronically by logging into MySeaport. For more information regarding pre-professional advising at UNCW, visit the Pre-Professional Programs website at www.uncw.edu/preprofessional or call (910) 962-3245.

Pre-Health

Students who are considering graduate programs in Allopathic Medicine, Chiropractic, Dentistry, Occupational Therapy, Optometry, Osteopathic Medicine, Pharmacy, Physical Therapy, Physician Assistant, Podiatry, Public Health, and Veterinary Medicine are considered pre-health students. Pre-Health is not a major and students are not required to major in science to pursue a pre-health profession. While many students pursue majors in the natural sciences, they do so because of their interest in those fields rather than strictly to prepare for graduate school. Students can choose to declare any major and remain eligible for graduate school as long as the student satisfies the prerequisite courses necessary for admission.

Undeclared students with less than 24 credit hours can find course recommendations available on the Pre-Professional Programs website: at https://uncw.edu/preprofessional/prehealth/iDeclndex.html.

Declared students with 24 or more credit hours can find more information about Pre-Health Programs as well as setting an appointment with a Pre-Health Coach on the Pre-Health Programs website
at: https://uncw.edu/preprofessional/prehealth/iDeclndex.html.

Pre-Law

Students who plan to prepare for law school may select a major in any discipline that fulfills the requirements for a baccalaureate degree at UNCW. The College of Humanities, Social Sciences, and the Arts offers a pre-law minor designed to prepare students with the foundational knowledge, critical thinking abilities, and other essential skills to success in the field of law.
Students should be aware of the Association of American Law Schools' recommendation to identify basic skills and insights it believes fundamental to the later attainment of legal competence. These are (a) comprehension and expression in words; (b) critical understanding of human institutions and values with which the law deals; and (c) creative power in thinking. In order to develop these capacities, the association recommends a pre-legal education of the "broadest scope." To accomplish these goals, UNCW offers a wide range of pre-law courses. Regardless of the major, the pre-law student should be zealous in the selection of electives that will facilitate critical understanding of economic, political, and social institutions. Additional recommendations are available on the Pre-Professional Programs website at https://uncw.edu/academics/advising/university-college/student-populations/preprofessional/

Enrichment Courses and Programs

Depending on their interests and abilities, UNCW students may choose from several kinds of special courses and programs to individualize and otherwise enrich their studies.

- This course, designated as 491 in each department, involves investigation beyond

what is offered in existing courses. To enroll in a Directed Individual Study, students must be a junior or senior. Additionally, students must have an overall grade point average of at least 2.00 and the approval of (1) the faculty member who will direct the study, (2) the departmental chairperson, and (3) the appropriate dean. Departmental criteria will include (1) the availability of the instructor (instructors may only supervise a limited number of independent studies each semester), (2) the appropriateness of and need for the proposed study in the student's program, (3) the availability of library and other research resources, and (4) the feasibility of completion of the proposed study in the allotted time. Students are limited to nine credit hours of Directed Individual Study toward graduation requirements.

- Several departments within the College of Humanities, Social Sciences, and the Arts and the professional schools offer field experience courses as part of their semester or summer programs. Participating students conduct individual or group research under faculty guidance at selected areas within and outside the continental United States. Apart from the greater Wilmington area, field experience courses have been conducted in such places as the Florida Keys, Barbados, the Bahamas, Portugal, and parts of Central and South America.

- Raymond L. Burt, *coordinator*
The German Studies Consortium links participating UNC institutions to facilitate the sharing of teaching and learning resources to enhance German Studies across The University of North Carolina system. This consortium offers a broad array of German Studies courses in the language, literature, and culture of the German-speaking countries taught by specialists in the field. The primary focus is on the sharing of upper-level German classes offered each semester on the North Carolina Information Superhighway. Participant universities include Appalachian State University, East Carolina University, North Carolina State University, the University of North Carolina at Asheville, the University of North Carolina at Charlotte, the University of North Carolina at Greensboro, University of North Carolina Wilmington, and Western Carolina University. For course details, visit the UNC Online Exchange.

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Regina Felix, *coordinator*

The Portuguese Exhange links participating UNC institutions to facilitate the sharing of teaching and learning resources to enhance Portuguese language and Portugurese and Brazilian Studies across the University of North Carolina system. This exchange offers courses in the language, literature, and culture of the Portuguese-speaking countries taught by specialists in the field. Participant universities include Appalachian State University, North Carolina State University, the University of North Carolina Asheville, the University of North Carolina at Chapel Hill, the Unversity of North Carolina at Charlotte, the University of North Carolina Wilmington, and Winston Salem State University. For course details, visit the UNC Online Exchange.

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Dave Graber, *coordinator*

The Russian Studies Consortium links participating UNC institutions to facilitate the sharing of teaching and learning resources to enhance Russian Studies across The University of North Carolina system. This consortium offers a broad array of Russian Studies courses in the language, literature, history, film, society, and culture in the Russian-speaking countries, which can be taught in the target language and/or in translation by specialists with credentials in Russian Studies. The primary goal focuses on the sharing of elementary, intermediate, and upper level Russian Studies classes offered each semester as well as summer session courses on the North Carolina Information Superhighway and/or fully online. Participant universities include Appalachian State University, East Carolina University, North Carolina State University, The University of North Carolina at Charlotte, The University of North Carolina at Greensboro, and The University of North Carolina Wilmington. Courses are offered through the UNC Online Exchange.

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Raymond L. Burt, UNCW *coordinator*

The UNC Language Assembly is a cooperative of the language departments of all 17 campuses of the UNC System, and serves the UNC System and the State of North Carolina by supporting the foreign language programs at the constituent institutions and by seeking to offer a wide diversity of foreign language choices to the students at all the UNC campuses. Students are not required to pay tuition at the other campus, since UNCW tuition applies to these courses as well. Courses

are taught online or through videoconference technology. Students can directly enroll in language classes offered by campuses through the UNC Online Exchange.

- https://uncw.edu/myuncw/academics/graduate-school/forms

Graduate Courses Taken for Undergraduate Credit

Graduate courses at UNCW or other accredited institutions may be used to fulfill undergraduate requirements if approved by the course instructor, student's department chair, undergraduate dean, and the dean of the Graduate School. All other transfer credit policies apply. Permission forms may be obtained on the Graduate School forms page under the "Undergraduate Registration for Graduate Courses" section at https://uncw.edu/myuncw/academics/graduate-school/forms.

Graduate Course Taken as an Undergraduate to Later Apply to a Graduate Degree

Undergraduate students who wish to take graduate courses and later receive graduate credit for them must fill out a Docusign to obtain permission in advance from the course instructor, student's department chair and undergraduate dean, and the Graduate School for approval. Graduate courses taken under this provision may not be used to fulfill undergraduate degree requirements. Permission forms may be obtained on the Graduate School form page under the "Undergraduate Registration for Graduate Courses"
section https://uncw.edu/myuncw/academics/graduate-school/forms.

Credit for Approved Combined Degree Programs

Graduate courses used to fulfill an undergraduate degree requirement at UNCW may be applied to a graduate degree only when taken as part of an approved combined degree program. Courses applied toward an awarded degree may not be applied to a second degree except as described by specific degree programs.

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https://www.uncw.edu/global/
The Office of Global Partnerships and International Education is comprised of three units: Education Abroad, English Language Center, and the Office of International Students & Scholars.

Education Abroad

UNCW offers more than 800 education abroad opportunities in more than 50 countries. Options available include coursework taken abroad, international internships for academic credit, credit-bearing service-learning experiences, academic research, and virtual global learning opportunities. UNCW provides education abroad opportunities to suit nearly every major and credit earned through international programs may be applied towards a UNCW degree. Financial aid may be used in conjunction with education abroad programs and scholarships are available. Students may select from short-term and summer programs, as well as semester, year-long and two-year dual degree options.
All applications for any credit-bearing program abroad must be made through the Office of Global Partnerships and International Education.
UNCW students who study abroad retain their active UNCW student status and will not have to re-enroll upon return.
Eligibility requirements include:

- 18 years of age at the time of participation
- Good disciplinary standing
- 2.5+ cumulative grade point average
- Sophomore+ status (select programs are open to first-year students)
- Any program-specific requirements

- Several programs in the College of Humanities, Social Sciences, and the Arts, College of Science and Engineering, College of Education, College of Health and Human Services, and the Cameron School of Business offer students the opportunity to earn academic credit within a work environment external to the program. The purpose of the internship experience is to enhance, supplement, and integrate the learning that occurs in formal classroom settings. Permission of the dean and program offering the internship is required to enroll, and the program places limits on the number of credit hours earned applicable toward graduation. Internships designated by a 498 number will be graded on a Pass (P), Fail (F) basis. These credit hours earned will count towards the number of hours required to graduate, but the grade of Pass (P) will be excluded from the computation of the GPA. For further information on internships, refer to the courses numbered 498 in the course listings and then contact the departments offering them.

- The North Carolina Child Welfare Education Collaborative is a university-agency partnership that ensures a quality work force in child welfare settings. The educational goal of this program is to directly address the workforce need for social workers in child welfare settings. Administered by the Jordan Institute for Families, the collaborative includes North Carolina social work education programs, the NC Division of Social Services, the NC Association of County Directors of Social Services and the NC Chapter of the National Association of Social Workers. Educating, training, and supporting current and future social workers in child welfare meets the goal of strengthening families and protecting children. The collaborative offers focused educational courses, training and field experience in child welfare agencies. Participating universities include Appalachian State University, University of North Carolina at Chapel Hill, East Carolina University, North Carolina State University, Joint Masters of Social Work Program at University of North Carolina at Greensboro and North Carolina Agricultural and Technical State University, and University of North Carolina Wilmington.

- The Reverse Transfer Program is a collaborative effort between North Carolina's Community Colleges and the University of North Carolina's 16 constituent institutions. Students who transfer to UNC Wilmington from one of the 58 North

Carolina community colleges are given the opportunity to combine the credits earned at UNCW with credit already earned at the community college to determine if the associate degree requirements have been met. Students have the opportunity to opt-in to this program at the time of admission as a transfer student. There is no cost to participate. For more information, contact the Office of the Registrar.
Eligibility: Students must have earned at least 16 college-level credit hours at one community college applicable towards their degree, to be eligible to participate. After earning a total of 60 combined credits, the student's UNCW records will be sent back to their previous community college for evaluation. The community college will contact students via their UNCW email, with further details, if the Associate degree is awarded.

- Several UNCW courses employ service-learning opportunities. Service learning is an innovative method of teaching and learning that combines thoughtfully organized service to the community with other means of instruction. Community service-projects are integrated into and enhance the academic curriculum of students, fitting naturally into the philosophy and pedagogy of a variety of disciplines and fostering civic responsibility. Both students and the community benefit from service learning. Service-learning courses have several strengths, not the least of which is that they are adaptable to the needs of the community while providing structured time for the students to reflect on the service experience.

Course Descriptions

All undergraduate courses offered by the university are listed. Not all of the courses listed are offered within a single academic year. A listing of the courses offered during a given semester is available online before preregistration each semester.

Trial Courses

Academic departments may offer special trial courses on a one-time basis without adding them to their regular departmental offerings. A second trial offering, if additional data are necessary, must be within two calendar years of the first, unless the course is submitted for formal approval to the appropriate curriculum

committees. Numbers designating these special courses are 292 and 492. Descriptive information on trial courses does not appear in the catalogue but is on file in the Office of the Registrar.

Sequenced Courses

A hyphen connecting courses (e.g., 201-202) indicates that the first course in the sequence must be satisfactorily completed prior to registration in the second course of the sequence. When course numbers are separated by a comma (e.g., 201, 202), the first course is not necessarily prerequisite to those following.

Online Courses

The university currently offers a variety of online courses, and two degree programs, the RN to B.S. option in nursing and Bachelor of Science in clinical research (CLR), are delivered totally online. Such courses are so designated in the Class Schedule and are open to both on- and off-campus students. Students interested in these programs should consult the online courses Web site http://www.uncw.edu/online.

Credits and Class Meetings

Unless specifically indicated at the end of the course description, the number of hours a class meets each week is the same as the credit hour value of the course. The semester hours credit for each course is indicated in parentheses immediately below the title of the course. For example, if three hours of credit may be earned, the credit is indicated as follows: (3). In variable credit courses, the minimum and maximum hours are shown as follows: (1-3).

Course Prefixes

The prefixes used to designate courses are abbreviations of the names of departments or fields of study within departments, as shown below:

ACG 201 - Financial Accounting

Course Description:

An introduction to the basic framework of accounting for students majoring in

accountancy or other disciplines. Includes preparation of financial records and external financial reports. Emphasis on the underlying accounting concepts and constraints.

Lab:

The lab for this course is ACGL 201 .

Credit Hours: 3 Corequisite Courses:

ACGL 201

Prerequisite Courses:

MAT 111 or MAT 150 or MAT 160

Course Repeatability: Course may not be repeated.

ACG 203 - Managerial Accounting

Course Description:

An introduction to the concepts and techniques used by management to analyze and interpret accounting data in the organization.

Credit Hours: 3 Prerequisite Courses:

ACG 201 and ACGL 201

Course Repeatability: Course may not be repeated.

ACG 301 - External Financial Reporting I

Course Description:

Analysis of traditional financial accounting topics and theory. Examines recent developments in accounting measurement and promulgations of the leading professional accounting organizations. ACG 301 emphasizes the development of accounting standards and theory, financial statements, and current assets.

Credit Hours: 3 Prerequisite Courses:

ACG 201 with a minimum grade of 'C' and ACG 203 with a minimum grade of 'C'.

Course Repeatability: Course may not be repeated.

ACG 302 - External Financial Report II

Course Description:

Analysis of traditional financial accounting topics and theory. Examines recent developments in accounting measurement and promulgations of the leading professional accounting organizations. Emphasizes plant assets, long term investments, liabilities, and stockholders' equity.

Credit Hours: 3 Prerequisite Courses:

ACG 301 with a minimum grade of C

Additional Restrictions/Requirements:

Prerequisite course and admission to Cameron School of Business.

Course Repeatability: Course may not be repeated.

ACG 305 - Advanced Managerial Accounting

Course Description:

Identifying, capturing, developing, and reporting financial and other information to support strategic planning and decision making, short run management decisions, and management control of enterprise programs and activities. Specific topics include: strategic cost analysis, activity-based management, profit planning and budgeting, short run decision structures, and management systems for strategic and operational control.

Credit Hours: 3 Prerequisite Courses:

ACG 201 and ACG 203 .

Additional Restrictions/Requirements:

Prerequisite courses and admission to Cameron School of Business. Grades of C or better in prerequisite courses.

Course Repeatability: Course may not be repeated. Major Restriction: Business Administration

ACG 306 - Accounting Information Systems

Course Description:

An introduction to the aggregation of data in an accounting information system with an emphasis on documentation, internal controls, and transaction cycles. Laboratory projects include advanced spreadsheet functions, an accounting software package and a database package.

Credit Hours: 3 Prerequisite Courses:

ACG 201 with a minimum grade of 'C' and ACG 203 with a minimum grade of 'C'. Prerequisite or corequisite: ACG 301 .

Course Repeatability: Course may not be repeated.

ACG 403 - Non-Profit Organization Accounting

Course Description:

Accounting for not-for-profit organizations including governments, colleges and universities, hospitals, charities, and other not-for-profit organizations. Emphasis is on objectives and preparation of financial statements, the use of managerial reports, and budgetary data.

Credit Hours: 3 Prerequisite Courses:

ACG 302

Additional Restrictions/Requirements:

Prerequisite course and admission to Cameron School of Business.

Course Repeatability: Course may not be repeated.

ACG 404 - Federal Income Taxes

Course Description:

The study of federal income taxation of individuals with emphasis on business income and expense items and property transactions.

Credit Hours: 3 Prerequisite Courses:

ACG 301 with a grade of C or better.

Additional Restrictions/Requirements:

Prerequisite course and admission to Cameron School of Business, or prerequisite course for students in the Accountancy and Business Law minor, or consent of department chair. Grade of C in ACG 301 .

Course Repeatability: Course may not be repeated.

ACG 406 - Auditing Concepts

Course Description:

Study of the objectives, standards, procedures and reporting requirements associated with a public accountant's role in auditing financial statements, auditing internal controls over financial reporting and performing assurance engagements. Students will learn how to make client acceptance decisions, plan and conduct audits and generate appropriate report(s) in light of competitive, legal and ethical constraints.

Credit Hours: 3 Prerequisite Courses:

ACG 301 with a minimum grade of C and ACG 306 with a minimum grade of C.

Additional Restrictions/Requirements:

Prerequisite courses and admission to Cameron School of Business.

Course Repeatability: Course may not be repeated.

ACG 445 - Current Topics in Accounting

Course Description:

This course is a capstone course integrating concepts from the accounting curriculum, including current topics in the area of ethics and accounting fraud. The course emphasizes case studies, as well as oral and written communication projects.

Credit Hours: 3 Prerequisite Courses:

ACG 306 with a minimum grade of C

Additional Restrictions/Requirements:

Prerequisite course and admission to Cameron School of Business.

University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

ACG 450 - Introduction to Forensic Accounting and Fraud

Examination

Course Description:

ACG 450 is an introduction to different types of occupational frauds, the psychology of the fraudster, different fraud detection and prevention techniques, and the role of ethics in fraud deterrence. Students will also learn techniques and technologies for fraud detection and forensic analysis.

Credit Hours: 3 Prerequisite Courses:

ACG 306 with a grade of C or better.

Additional Restrictions/Requirements:

Admission to the Cameron School of Business.

University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated. Major Restriction: Business Administration

ACG 470 - Topics in Auditing

Course Description:

Accelerated coverage of the objectives, standards, procedures and reporting requirements associated with a public accountant's role in auditing financial statements and internal controls over financial reporting.

Credit Hours: 1 To 3 Additional Restrictions/Requirements:

Consent of the department chair and admission to Cameron School of Business.

Course Repeatability: Course may not be repeated.

ACG 471 - Topics In Managerial Accounting

Course Description:

Contemporary topics related to managerial accounting.

Credit Hours: 1 To 3 Additional Restrictions/Requirements:

Consent of department chair and admission to Cameron School of Business.

Course Repeatability: Course may not be repeated.

ACG 491 - Directed Individual Study

Course Description:

Please enter a description.

Credit Hours: 1 To 6 Additional Restrictions/Requirements:

Junior or senior standing, consent of department chair, and admission to Cameron School of Business.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

ACG 495 - Seminar In Accountancy

Course Description:

This course may be repeated under a different subtitle.
Credit Hours: 1 To 3 Additional Restrictions/Requirements:
Junior or senior standing, consent of the department chair, and admission to Cameron School of Business.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

ACG 498 - Internship In Accountancy

Course Description:
Involves the application of accounting knowledge in a "real world" setting. The participant receives hands-on experience under the guidance of a manager from a business or not-for-profit organization, or CPA firm.
Credit Hours: 1 To 6 Prerequisite Courses: ACG 301 and ACG 306 Additional Restrictions/Requirements:
Prerequisite courses, overall GPA of 3.0 or better, and admission to Cameron School of Business (Accountancy Option).
University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

ACG 499 - Honors Work In Accountancy

Course Description:
Independent work for honors students.
Credit Hours: 2 To 3 Additional Restrictions/Requirements:
Senior standing and admission to Cameron School of Business.
University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

ACGL 201 - Financial Accounting Lab

Course Description:
This course is the lab for ACG 201 .
Credit Hours: 1 Corequisite Courses:
ACG 201
Course Repeatability: Course may not be repeated.

MSA 522 - Accounting Analytics and Business Database Systems

Course Description:
This class focuses on accounting analytics and fundamental database and querying skills associated with data analytics. Conceptual foundations, such as relational

database structure, data normalization, and data querying (via Structured Query Language), are emphasized. Students will be able to analyze accounting datasets with SQL and other data analytics tools to arrive at empirically valid conclusions and recommendations.
Credit Hours: 1 to 3 University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Yes Maximum Repeatable Hours: 3

MSA 560 - Forensic Acctg and Fraud Exam

Course Description:
This course introduces students to different types of occupational frauds, the psychology of the fraudster, different fraud detection and prevention techniques, and the role of ethics in fraud deterrence. Students will also learn techniques and technologies for fraud detection and forensic analysis. Additionally, students will learn how to analyze and evaluate frauds and create fraud prevention measures.
Credit Hours: 1 Additional Restrictions/Requirements:
Admission to the Accounting 4+1 Program,
A "B" or better in ACG 301 and ACG 306,
or, permission of the Chair of the Department of Accountancy and Business Law
University Studies: ["Building Competencies/Writing Intensive"] Crosslisting:
ACG 450
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 3

AFN 130 - Introduction to Africana Studies

Course Description:
Interdisciplinary exploration of the collective experiences of the African Diaspora, which includes Africans and people of African descent in various continents and countries in addition to the United States.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives", "Approaches and Perspectives/Living in Our Diverse Nation"] Course Repeatability: Course may not be repeated.

AFN 222 - Introduction to Gullah-Geechee Culture

Course Description:
Exploration of several theoretical, historical and contemporary issues and themes of Gullah-Geechee Culture, history, language and politics, as a specific African American ethnic enclave within America.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Historical and Philosophical Approaches"] Course Repeatability: Course may not be repeated.

AFN 235 - Battle for Justice: From the Boat to the Vote

Course Description:

Examination of the right to vote through a focus on the Constitution, legislation, and case law. Including, exploration of methods of voting restriction and dilution such as literacy tests, poll taxes, redistricting, violence, and intimidation. Centering the impacts on race and democracy in the United States.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Understanding Human Institutions and Behaviors"] Course Repeatability: Course may not be repeated.

AFN 290 - Readings in Literatures of the African Diaspora

Course Description:

This course explores the literary expressions of Africans and peoples of African descent as they are found in the Caribbean, Latin America, and in the United States.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives", "Approaches and Perspectives/Living in a Global Society"] Course Repeatability: Course may not be repeated.

AFN 322 - Wilmington 1898

Course Description:

Examination of Wilmington's 1898 massacre and coup d'état through the lens of Africana Studies. Includes studying the impact and strategies for repairing the harms that continue today and how this event shapes Black and African American communities in the region, in the state, and across the country. Student research required.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

AFN 353 - Black Feminisms: Survey of Black Feminist Thought

Course Description:

Exploration of the rich tradition of Black feminisms, womanisms, and queer theories, and the communities and institutions they speak of, for, and to. Includes the investigation of identities and identification, sexualities, motherhood and family, womanisms, representation and citizenship, community building, and anger and activism.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in a Diverse Nation", "Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

AFN 395 - Africana Studies and Community Engagement

Course Description:

Engagement in a service-learning project in Wilmington, NC region, and abroad related to communities of African descent. Emphasis on the African American

communities' (and people of African descent) strengths, values, beliefs, attitudes, and ideals by the examination and application of community engagement and development concepts.
Credit Hours: 3 University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Repeat Limit: 1

AFN 495 - Senior Seminar: Topics in Africana Studies

Course Description:
Intensive study of a selected theme in Africana Studies designed to foster and encourage critical and systematic inquiry into the historical, cultural, social, and or political factors that influence African, African American, Caribbean, and other peoples of African descent around the world.
Credit Hours: 3 University Studies: ["Building Competencies/Information Literacy"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 9 Repeat Limit: 2

ASL 101 - Introductory American Sign Language I

Course Description:
Emphasis on achievement of an active command of the language and a strong foundation of ASL vocabulary and language structure. Students will be expected to demonstrate a basic/minimal level of competency in expressive and receptive skills of ASL. The basic cultural characteristics of the Deaf and Hard of Hearing communities will be introduced.
Credit Hours: 3 University Studies: ["Foundations/Foreign Language"] Course Repeatability: Course may not be repeated.

ASL 102 - Introductory American Sign Language II

Course Description:
Emphasis on achievement of an active command of the language and a strong foundation of ASL vocabulary and language structure. Students will be expected to demonstrate a progressively stronger competency in expressive and receptive skills of ASL. The cultural characteristics of the Deaf and Hard of Hearing communities will be discussed.
Credit Hours: 3 Prerequisite Courses:
ASL 101 with a minimum grade of C
University Studies: ["Foundations/Foreign Language"] Course Repeatability: Course may not be repeated.

ASL 201 - Intermediate American Sign Language I

Course Description:
A continuation and building on achievement of an active command of the language

and a strong foundation of ASL vocabulary and language structure. Students will be expected to demonstrate a progressively stronger competency in expressive and receptive skills of ASL. The cultural characteristics of the Deaf and Hard of Hearing communities will be discussed.

Credit Hours: 3 Prerequisite Courses:

ASL 102

Course Repeatability: Course may not be repeated.

ASL 202 - Intermediate American Sign Language II

Course Description:

A continuation and building on achievement of an active command of the language and a strong foundation of ASL vocabulary and language structure. Students will be expected to demonstrate a progressively stronger competency in expressive and receptive skills of ASL. The cultural characteristics of the Deaf and Hard of Hearing communities will be discussed.

Credit Hours: 3 Prerequisite Courses:

ASL 201

Course Repeatability: Course may not be repeated.

AMS 200 - Introduction to American Studies

Course Description:

Survey of major themes in American culture and the methods used to study them.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

AMS 491 - Directed Individual Study

Course Description:

Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.

Credit Hours: 1 To 3 Additional Restrictions/Requirements:

Junior or senior standing, overall GPA of at least 2.00, and consent of instructor, department chair, and dean.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

ANT 105 - Introduction to Anthropology

Course Description:

Introduction to the physical, archaeological, linguistic, and ethnological fields of anthropology; biological and cultural evolution of man.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in a Global Society", "Approaches and Perspectives/Understanding Human Institutions and Behaviors"] Course

Repeatability: Course may not be repeated.

ANT 190 - History Unlimited: A Short History of Nearly Everything

Course Description:

Multi-disciplinary course designed to cover the history of the universe from the big bang until today,. Draws on perspectives and methods of both anthropology and history. Topics include the physical structure and composition of the earth, jow it was formed, the emergence of life with particular focus on the evolution of humans, the organization and development of human societies, analysis of important historical periods such as agricultural, scientific and industrial revolutions. This course does not fulfill requirements towards either the history or anthropology majors.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in a Global Society", "Explorations Beyond the Classroom"] Crosslisting:

HST 190

Course Repeatability: Course may not be repeated.

ANT 206 - Cultural Anthropology

Course Description:

A presentation of the content and historical development of cultural anthropology. Deals with the cultural relativism, ethnocentrism, institutional analysis and cultural integration and shifts in theoretical perspectives by comparing ethnographies of selected cultures.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in a Global Society"] Course Repeatability: Course may not be repeated.

ANT 207 - Archaeology

Course Description:

An exploration of the objectives, theories, methodologies and interpretive tools utilized in the study of humankind's past. Both prehistoric and historic cultures will be examined.

Lab:

The lab for this course is ANTL 207 .

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Understanding Human Institutions and Behaviors", "Approaches and Perspectives/Historical and Philosophical Approaches"] Course Repeatability: Course may not be repeated.

ANT 208 - Language & Culture

Course Description:

Human language, its characteristics and its relationship to other communication

systems will be examined. The use of language to illuminate historical relationships and current sociocultural processes will be discussed, as well as ways in which one can investigate culture through cognitive structures elicited from speech.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in a Diverse Nation"] Course Repeatability: Course may not be repeated.

ANT 210 - Biological Anthropology

Course Description:

Introduction to the study of human evolution. A dynamic exploration of nonhuman primates, fossilized human ancestors, and human biology. Examines the intersection of biology and culture.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Scientific Approaches to the Natural World"] Course Repeatability: Course may not be repeated.

ANT 214 - Forensic Anthropology

Course Description:

Study of the role of human identification in the forensic sciences. Topics include: the history of forensic anthropology in the US; procedures for the search and recovery of human remains; methods of identification from the skeleton; trauma analyses, manners of death; time since death estimations; and the integration of other forensic science disciplines and techniques with human identification.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Understanding Human Institutions and Behaviors"] Course Repeatability: Course may not be repeated.

ANT 291 - Introductory Research

Course Description:

Independent research beyond what is offered in existing courses. Course may be repeated for credit. Only three credit hours may count towards the major.
Credit Hours: 1 To 3 Additional Restrictions/Requirements:

Freshman or sophomore standing and consent of instructor and department chair.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

ANT 295 - Special Topics In Anthropology

Course Description:

Course covers selected topics in Anthropology. May be repeated under a different subtitle. All course repeats may count towards the major, but not towards the 300-400 level requirements in the major.
Credit Hours: 3 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

ANT 303 - Culture and Gender

Course Description:

A cross-cultural study of gender in a selection of societies from African, American Indian, Asian, and Central and South American cultures.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in Our Diverse Nation", "Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

ANT 304 - Domestication: Dogs, Cats, and Barley

Course Description:
Anthropological survey of the origins and relationships between domesticated animals and plants using archaeological, cultural, and biological sources, with a focus on the essential roles domesticates have played in the formation of societies and cultures.
Course Repeatability: Course may not be repeated.

ANT 307 - Archaeology of the Americas

Course Description:
Exploration of the peopling of the Americas and various New World indigenous groups, with an emphasis on chiefdom and state level societies. Archaeological, ethnohistorical, and epicgraphic evidence is used to study the Aztec and Maya of Mesoamerica, the Mississippians and Puebloan Indians of North America, and Andean civilizations of South America.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

ANT 308 - Ancient Egypt, Mesopotamia, Indus Valley, and More

Course Description:
Studies the interplay of early state-level civilizations in Mesopotamia, Egypt, and the Indus Valley. Other topics include nomads, invaders, and the collapse of state-level societies.
Credit Hours: 3 Prerequisite Courses:
ANT 105 or ANT 207
Additional Restrictions/Requirements:
Prerequisite courses or consent of instructor.
University Studies: ["Building Competencies/Writing Intensive", "Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

ANT 309 - Environmental Anthropology

Course Description:
A study of cultural adaptations as responses of human populations to varied environments; this course will focus upon cultural vs. biological adaptation from the archaeological past to the ethnographic present.
Credit Hours: 3 Prerequisite Courses:

ANT 105 or ANT 206 or ANT 207

Additional Restrictions/Requirements:

Prerequisite courses or consent of instructor.

University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

ANT 310 - The Ancient Maya

Course Description:

Explores the achievements of one of the most remarkable civilizations in the Americas. Artistic, architectural, economic and religious components of pre-Columbian Maya Society; the rise and decline of the civilization; Spanish impacts on Maya cultural history.

Credit Hours: 3 University Studies: ["Building Competencies/Writing Intensive", "Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

ANT 311 - Field Methods in Archaeology

Course Description:

Exploration of archaeological field methods through scientific excavation, recording, and sampling of sites of past human occupation. Focus on training in field and some laboratory methods at archaeological sites in the US or abroad.

Credit Hours: 3 To 6 Prerequisite Courses:

ANT 207

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12 Repeat Limit: 1 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

ANT 312 - Collapse. The Fall of Complex Civilizations

Course Description:

A sampler of political and systemic collapses over the course of world history, applying theories of collapse to case studies including Easter Island, Mesopotamia, the Maya, and Rome. Evaluation of various theories explaining collapses and their relation to contemporary political trends and imperatives.

Credit Hours: 3 To 6 University Studies: ["Building Competencies/Writing Intensive", "Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

ANT 313 - Plantation Archaeology

Course Description:

Exploration of the history, concepts, and current research in the archaeology and history of antebellum and postbellum southern US plantations. Topics include plantation economics, the roles of various individuals and groups in plantation

society, and the integration and influence of plantations on 19th century and later American life. Study and interpretation of plantation remains using historical and archaeological approaches.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

ANT 315 - Ancient Mesoamerica

Course Description:

Overview if the development, characteristics and decline of the pre-Columbian peoples and cultures of Central America, with particular attention to archaeological and ethnographic research in Mexico, Belize, Guatemala, Honduras and El Salvador.
Credit Hours: 3 University Studies: ["Building Competencies/Information Literacy", "Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

ANT 317 - Social Issues in Latin America

Course Description:

Complex national cultures of Latin America. Contemporary issues such as the rights of native peoples, peasant land reform, urban slum settlements, development of resources, and political and economic reform movements. Case studies of individual countries.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

ANT 318 - Religion and Public Life Across Cultures

Course Description:

Exploration of the relationship between religion and politics and the increasing role of religion in public life across different cultures in the contemporary world. Students will learn about the interactions between religion, politics, and public life in countries with ties to different majoritarian religions such as the U.S.A. (Protestant Christianity), France (Catholicism), Turkey (Sunni Islam), and India (Hinduism).
Course Repeatability: Course may not be repeated.

ANT 320 - Human Origins

Course Description:

Classification and history of human evolution deduced from the fossil record and molecular data. Discussion of Tertiary hominoids and emergence of humans with emphasis on Australopithecines and later Pleistocene hominins.
Credit Hours: 3 Prerequisite Courses:

ANT 210

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated.

ANT 322 - Primate Biology & Behavior

Course Description:

Ecology, social behavior, and functional morphology and classification of living primates (prosimians, monkeys, and apes); their evolutionary history and development.

Credit Hours: 3 Prerequisite Courses:

ANT 210

Additional Restrictions/Requirements:

Prerequisite course, or consent of instructor.

Course Repeatability: Course may not be repeated.

ANT 324 - Human Biological Variation

Course Description:

Nature and extent of heritable differences among human populations in evolutionary perspective. Consideration of effects of environmental factors on genic expression.

Credit Hours: 3 Prerequisite Courses:

ANT 210

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

University Studies: ["Building Competencies/Information Literacy", "Building Competencies/Information Literacy", "Building Competencies/Writing Intensive", "Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated.

ANT 325 - Human Growth and Development

Course Description:

Human growth and development from an evolutionary perspective. Topics to be addressed include differences and similarities in primate life histories, uniqueness of particular human life history traits, and the evolution of human development as traced through the fossil record. Relationships among growth, development, and health will be explored.

Credit Hours: 3 Prerequisite Courses:

ANT 210

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated.

ANT 326 - Human Osteology

Course Description:

The human skeleton focusing on bone biology and skeletal anatomy. Topics include: techniques to examine and measure bones, methods for the estimation of age, sex, ancestry and stature, analyses of pathology (disease and trauma). Topics presented within the context of specialized areas of physical anthropology, such as skeletal biology, paleodemography, and forensic anthropology.
Lab:
The lab for this course is ANTL 326 .
Credit Hours: 0 Or 3 Corequisite Courses:
ANTL 326
University Studies: ["Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated.

ANT 327 - Globalization & Culture Change

Course Description:
Explores processes of globalization in local communities by addressing issues and dynamics of culture change in the contemporary world. Themes include: economic development and underdevelopment; legacies of colonialism; immigration; transnational culture; market and meaning exchanges in media and the arts; and organized resistance to globalization.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in a Global Society"] Course Repeatability: Course may not be repeated.

ANT 328 - Bioarchaeology

Course Description:
Contextual study of human skeletal remains from archaeological sites to reconstruct evidence of behavior and biological variability. Methods using these data to interpret or suggest how prehistoric and ancient people have lived.
Credit Hours: 3 Prerequisite Courses:
ANT 210
Additional Restrictions/Requirements:
Prerequisite course or consent of instructor.
University Studies: ["Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

ANT 329 - Environmental Justice Ethnography

Course Description:
Ethnographic survey of the emergence of social movements organized around environmental issues. Through the writings of cultural anthropologists, students learn how communities around the world threatened by environmental destruction

seek justice, accountability, and sustainability. Environmental crises are analyzed in terms of globalization, structures of poverty, and human rights.
Credit Hours: 3 University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

ANT 330 - The Immigrant Experience

Course Description:

Through ethnographic accounts and personal narratives from a variety of global settings, the course examines the economic, social and political factors that prompt migration and explores the cultural adaptations, ethical questions, human rights issues, and public policy debates of immigration and resettlement.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in Our Diverse Nation", "Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

ANT 346 - Medical Anthropology

Course Description:

Investigation of systems of medical knowledge and healthcare; representations of health and illness; interactions between environmental, biological, and social factors that shape risk in vulnerable communities; and encounters between Western biomedicine and non-Western healing traditions. Emphasis on applied anthropology in global health settings.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

ANT 351 - History of Anthropological Theory

Course Description:

Explores the development of anthropological theory through the research and writings of key figures in the field. Directs attention toward social and intellectual contexts out of which anthropological theories emerge and the ethical challenges and responsibilities they entail.
Credit Hours: 3 Prerequisite Courses:

ANT 206

University Studies: ["Critical Reasoning"] Course Repeatability: Course may not be repeated.

ANT 375 - Archaeological Sciences

Course Description:

A problem-centered approach to evaluating, using, and integrating commonly used scientific techniques. Students will learn the basics of many of these techniques including dating, macroscopic, microscopic, chemical, and biological, with a special emphasis on synthesizing science and archaeology into a seamless, anthropologically effective reconstruction of the human past.

Credit Hours: 3 Prerequisite Courses:

ANT 207

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

ANT 380 - Life in Ancient Britain and Ireland

Course Description:

Archaeological study of ancient life in England, Wales, Scotland, and Ireland. Exploration of the development of ancient British and Irish cultures from Paleolithic to Roman times, with particular focus on major sites and features investigated. Travel to Britain and Ireland is an integral part of the course (required).

Credit Hours: 3 Course Repeatability: Course may not be repeated.

ANT 387 - Museum Studies

Course Description:

Study of museums in cultural, social, and historical context by examining museum types and their role in society. Field trips to local museums, guest lectures, and case studies examine such topics as collections, interpretation, marketing, visitor behavior and learning, virtual museums, and museum law and ethics.

Lab:

The lab for this course is ANTL 387 .

Credit Hours: 3 Prerequisite Courses:

ANT 206

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated.

ANT 395 - Topics in Anthropology

Course Description:

Discussion of rotating topics in Anthropology. May be repeated under a different subtitle. All repeated credits may count towards the major.

Credit Hours: 3 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

ANT 411 - Advanced Field Training in Archaeology

Course Description:

Supervisory training for field archaeologists. Students direct specific aspects of archaeological excavation, including research design, data recovery, daily site management, and field analysis.

Credit Hours: 3 Prerequisite Courses:

ANT 311

Additional Restrictions/Requirements:

Prerequisite course and consent of instructor.

Course Repeatability: Course may not be repeated. Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

ANT 412 - Historical Archaeology

Course Description:

Substantive investigation of the special excavation and analysis procedures, subject matter, and goals of archaeology as applied to the historic past of North America. Special emphasis placed upon historic archaeological sites in the local region. Lecture, laboratory, and fieldwork.

Credit Hours: 3 Prerequisite Courses:

ANT 105 or ANT 207

Additional Restrictions/Requirements:

Prerequisite courses or consent of instructor.

Course Repeatability: Course may not be repeated.

ANT 413 - Biological/Cultural Experiences in Anthropology

Course Description:

This intensive summer course offers unique opportunities to learn about the biological, social, and cultural dimensions of tropical forest conservation through direct interaction and complete immersion. The program focuses on two broad themes, each supported via site visits, focus groups, interviews and readings: 1) biological aspects of conservation science, and 2) social and cultural aspects of biodiversity conservation.

Credit Hours: 3 To 6 Additional Restrictions/Requirements:

Consent of instructor.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

ANT 425 - The Myth of Race

Course Description:

Explores human variation and the misrepresentation of human group potential and value through the lenses of cultural and biological anthropology. Combines anthropological theory and practice to assess systems and policies that create and perpetuate social solidarities, divisions, and inequalities.

Credit Hours: 3 Prerequisite or Corequisite Courses:

ANT 210, ANT 206

Course Repeatability: Course may not be repeated. Additional Fees Link:

$50 course fee covers costs associated with the applied components of this course including entrance fees, tour fees, etc.

ANT 430 - Evolutionary Biology

Course Description:

Advanced survey of organizational principles of the genetic apparatus of prokaryotes and eukaryotes. Emphasis of the course directed to critical evaluation of current concepts and models of evolutionary dynamics using relevant illustrative examples from the literature.

Credit Hours: 3 Prerequisite Courses:

BIO 335

Crosslisting:

BIO 430

Course Repeatability: Course may not be repeated.

ANT 435 - Archaeology and the Media

Course Description:

Explorations of how archaeology is practiced today and the ways in which the field is portrayed in the popular media in the United States. Topical foci include sensationalism, accuracy of reporting and reporting criteria, and the ways in which media depictions of the field of archaeology shape public perceptions and foster misconceptions about the field.

Credit Hours: 3 Prerequisite Courses:

ANT 207

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated.

ANT 440 - Seminar in Southeastern Archaeology

Course Description:

Integrates southeastern archaeology, archaeological theory, and contemporary issues in archaeology. Emphasis on the southeast as a regional unit and the interplay of local environment and culture throughout the region.

Credit Hours: 3 Prerequisite Courses:

ANT 207

Additional Restrictions/Requirements:

Prerequisite course and any 300-level ANT course.

University Studies: ["Building Competencies/Writing Intensive", "Building

Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

ANT 445 - Practicing Ethnography

Course Description:

An exposure to contemporary research practices in cultural anthropology through reading ethnographies and practicing data collection using oral histories, narratives of memory, photo images, video, and interview guides. An individual project requiring fieldwork and research.

Credit Hours: 3 Prerequisite Courses:

ANT 206

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated.

ANT 449 - Anthropology Three-Field Seminar

Course Description:

A team-taught, three-field examination of some topic of general anthropological interest. The topic will be approached from an archaeological, cultural anthropological, and physical/biological anthropological perspective. Using discussion and writing, students will apply the three-field approach of anthropology to the topic. May be repeated under a different subtitle.

Credit Hours: 3 Prerequisite Courses:

(ANT 206 and ANT 207) or ANT 210

Additional Restrictions/Requirements:

Prerequisite courses or consent of instructors.

University Studies: ["Building Competencies/Writing Intensive", "Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

ANT 451 - Anthropology After Graduation

Course Description:

Culminating experience for anthropology majors. Provides professional development skills, training in ethical practices and responsibilities, familiarization with academic and non-academic career options for anthropology graduates, and preparation in proposal design and presentation.

Credit Hours: 3 Prerequisite or Corequisite Courses:

ANT 351

Prerequisite Courses:

ANT 206, ANT 207, ANT 210

Additional Restrictions/Requirements:

Students must be Anthropology majors with Senior class standing or with instructor approval.
Course Repeatability: Course may not be repeated. Major Restriction: Anthropology

ANT 460 - Poverty and Health: Critical Medical Anthropology Perspectives

Course Description:
Seminar survey of applied medical anthropology research on the health effects of extreme poverty. Through in-depth explorations of anthropologists working in public health settings around the world, students learn methods, theory, and critical issues of this subfield. Example target populations include farmworkers, immigrants, the homeless, refugees, and the working poor.
Credit Hours: 3 University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

ANT 491 - Directed Individual Study

Course Description:
Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.
Credit Hours: 1 To 3 Additional Restrictions/Requirements:
Junior or senior standing, overall GPA of at least 2.00, and consent of instructor, department chair and dean.
University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

ANT 495 - Topical Seminar

Course Description:
Discussion of selected topics in anthropology. May be repeated under a different subtitle.
Credit Hours: 1 To 3 Additional Restrictions/Requirements:
Consent of instructor.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

ANT 498 - Internship In Anthropology

Course Description:
Supervised practical experience with public or private agency, organization or institution. Area of concentration, requirements, and means of evaluation to be defined in consultation with supervising faculty.
Credit Hours: 1 To 6 Additional Restrictions/Requirements:

Junior or senior standing and ANT major, and consent of instructor.
University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

ANT 499 - Honors Work In Anthropology

Course Description:

Independent work for honors students.
Credit Hours: 2 To 3 Additional Restrictions/Requirements:

Senior standing and eligibility for honors program.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

ANTL 207 - Archaeology Lab

Course Description:

Course is designed to familiarize students with techniques of archaeological recovery, preparation, preservation, and analysis of recovered archaeological materials. Laboratory work will parallel lecture, providing practical experience in techniques covered as part of lecture course. It is not necessary to take the lab in order to take lecture.
Lab:

This course is the lab for ANT 207 .
Credit Hours: 1 Prerequisite Courses:

Prerequisite or corequisite: ANT 207 .
University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated.

ANTL 210 - Biological Anthropology Lab

Course Description: An experiential companion class to Biological Anthropology (ANT 210). Students will develop fundamental skills in assessing variation in human and nonhuman primates. Provides hands-on opportunities to work directly with fossils, bones, artifacts, and computer modeling, while building competency in the scientific methodologies utilized by professional biological anthropologists. Credit Hours: 1 Prerequisite or Corequisite Courses: ANT 210 Additional Restrictions/Requirements: Lab is optional for non anthropology majors taking ANT 210. Course Repeatability: Course may not be repeated.

ANTL 326 - Human Osteology Lab

Course Description:

The application of concepts, techniques, and methodologies to actual skeletal materials.
Lab:

This course is the lab for ANT 326 .

Credit Hours: 1 Corequisite Courses:

ANT 326

Course Repeatability: Course may not be repeated.

ANTL 387 - Museum Studies Practicum

Course Description:

Practicum includes exhibit installations, sales gallery operations, working with the permanent collection, and assessing and developing educational programs.

Lab:

This course is the lab for ANT 387 .

Credit Hours: 1 Additional Restrictions/Requirements:

Consent of instructor.

Course Repeatability: Course may not be repeated.

ARB 101 - Introductory Arabic I

Course Description:

Emphasis on achievement of an active command of the language. Aural-oral practice; intensive study of the basic patterns of spoken Arabic; reading, writing, and basic conversation. For students with one unit or less of high school Arabic.

Credit Hours: 3 University Studies: ["Foundations/Foreign Language"] Course Repeatability: Course may not be repeated.

ARB 102 - Introductory Arabic II

Course Description:

Emphasis on achievement of an active command of the language. Aural-oral practice; intensive study of the basic patterns of spoken Arabic; reading, writing, and basic conversation. Only for students who have successfully completed ARB 101 or the equivalent.

Credit Hours: 3 Prerequisite Courses:

ARB 101

University Studies: ["Foundations/Foreign Language"] Course Repeatability: Course may not be repeated.

ARB 201 - Intermediate Arabic I

Course Description:

A review of the grammatical structure of the language. Application of the language in composition, conversation, and readings.

Credit Hours: 3 Prerequisite Courses:

ARB 102

University Studies: ["Foundations/Foreign Language"] Course Repeatability: Course may not be repeated.

ARB 202 - Intermediate Arabic II

Course Description:

A continuing review of the grammatical structure of Arabic at the intermediate level. Application of the language in composition, conversation and readings.

Credit Hours: 3 Prerequisite Courses:

ARB 201

University Studies: ["Foundations/Foreign Language"] Course Repeatability: Course may not be repeated.

ARB 294 - Arabic Study Abroad I

Course Description:

Lower-division level of special topics relating to the Arabic-speaking world taken abroad from UNCW faculty or as a transfer credit.

Credit Hours: 1 To 3 University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

ART 101 - Two-Dimensional Design

Course Description:

Study of the principles of two-dimensional design and introduction to color theory.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

ART 102 - Three Dimensional Design

Course Description:

Introduction to concepts of three-dimensional design. Focus on the elements, principles, and basic construction of three dimensional form.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

ART 105 - Contemporary Art Practices

Course Description:

Explores the fundamental concepts, materials, and methods of visual art through a variety of 2D and 3D media. An emphasis on process, with an exploration of social media. Students will keep a journal of their progress.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive & Literary Perspectives"] Course Repeatability: Course may not be repeated

ART 111 - Drawing Fundamentals

Course Description:

Fundamentals of drawing; investigation of processes and visual concepts with emphasis on charcoal.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

ART 203 - Color Theory

Course Description:

Introduction to color theory. Focus on the use of hue, value, and saturation for visual problem solving and the development of a personal aesthetic.

Credit Hours: 3 Prerequisite Courses:

ART 101 .

Course Repeatability: Course may not be repeated.

ART 211 - Beginning Life Drawing

Course Description:

Drawing from the model: structure, geometric form, and composition using various media: pencil, charcoal, India ink, etc.

Credit Hours: 3 Prerequisite Courses:

ART 111

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated.

ART 220 - 3-D Computer Graphics Tools and Literacy

Course Description:

Project-based approach to learning fundamental principles of 3D computer graphics using high-level software tools. Modeling of objects, geometrical transformations, surface algorithms, lighting and shading, alternative rendering techniques, and providing background skills necessary to create animated movies.

Credit Hours: 3 Prerequisite Courses:

Prerequisite: CSC 112 or CSC 131 . Prerequisite or corequisite: ART 260 or ART 282 .

Additional Restrictions/Requirements:

Prerequisite courses or consent of instructor.

Crosslisting:

CSC 220 , FST 220

Course Repeatability: Course may not be repeated.

ART 221 - Beginning Ceramics

Course Description:

Ceramic art-making with emphasis on manipulating the material with hand-building techniques. Includes introduction to ceramic art history and technical issues including glaze application and firing practice.

Credit Hours: 3 Prerequisite Courses:

ART 102

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated.

ART 232 - Monotype: Printmaking for Painters

Course Description:

Exploration of the history and techniques of the monotype printmaking medium. Dark-ground, light-ground, and water-based processes printed by hand and by etching press.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

ART 233 - Beginning Intaglio & Relief

Course Description:

Survey of intaglio and relief printmaking history and techniques. Introduction to relief processes on blocks and intaglio processes on plates. Woodcut, linocut, monotype, dry point, line etching, and soft ground etching.

Credit Hours: 3 Prerequisite Courses:

ART 101

Course Repeatability: Course may not be repeated.

ART 235 - Beginning Serigraphy

Course Description:

Introduction to screen printing techniques and history. Blockout, resist, reduction and lacquer film.

Credit Hours: 3 Prerequisite Courses:

ART 101 or ART 242

Course Repeatability: Course may not be repeated.

ART 237 - Beginning Lithography

Course Description:

Introduction to the history, chemistry, and technique of stone lithography. Crayon drawing, tusche wash, rubbing crayon, and maniere noire.

Credit Hours: 3 Prerequisite Courses:

ART 233 or ART 235

Course Repeatability: Course may not be repeated.

ART 242 - Beginning Painting

Course Description:

Fundamentals of painting, investigating the medium of oil paint with emphasis on perceptual and conceptual processes.

Credit Hours: 3 Prerequisite Courses:

ART 101 and ART 111

Additional Restrictions/Requirements:

Prerequisite courses or consent of instructor.

Course Repeatability: Course may not be repeated.

ART 251 - Beginning Sculpture

Course Description:

Survey of sculpture concepts and processes. Study of object based sculpture, functional sculpture, and installation. Introduction to metal fabrication, wood fabrication, and casting.

Credit Hours: 3 Prerequisite Courses:

ART 102

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated.

ART 260 - Introduction To Graphic Design

Course Description:

Basic principles of graphic design and communication. Projects focus on the graphic expression of form through two-dimensional composition to communicate information, concepts, and emotions, and combine development of computer software skills with off-line creative processes and production methods.

Credit Hours: 3 Prerequisite Courses:

ART 101

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated.

ART 271 - Introduction to Time-Based Media

Course Description: Exploration of time-based media concepts and traditions across art and design. Introduction to 2D animation using a combination of handmade and digital techniques. Credit Hours: 3 Prerequisite Courses: ART 101 University Studies: "" Course Repeatability: Course may not be repeated. Additional Course Fees: "" Equivalent Courses: ""

ART 273 - Digital Illustration

Course Description:

Introduction to the practice and theory of digital art & illustration. Exploration of the core concepts and techniques in digital image making, photo manipulation, and content production using industry-standard software applications.

Credit Hours: 3 Prerequisite Courses:

ART 101 and ART 111.
Course Repeatability: Course may not be repeated.

ART 280 - Introduction to Darkroom Photography

Course Description:
Basic darkroom processes for developing and printing black and white photographic film. Introduction to aesthetics of fine art photography, including visual problem solving, critical thinking, and development of a personal imagery.
Credit Hours: 3 Prerequisite Courses:
ART 101 or ART 105 .
Additional Restrictions/Requirements:
Prerequisite courses or consent of instructor.
Course Repeatability: Course may not be repeated

ART 282 - Introduction to Digital Photography

Course Description:
Introduction to digital photography concepts and methods. Considers the design, processing, critiquing, and display of images created with digital cameras and printed with digital media.
Credit Hours: 3 Prerequisite Courses:
ART 101 or ART 105 or consent of instructor.
Course Repeatability: Course may not be repeated.

ART 311 - Intermediate Life Drawing

Course Description:
Drawing from the model: structure, composition, and development of personal expression.
Credit Hours: 3 Prerequisite Courses:
ART 211
Additional Restrictions/Requirements:
Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

ART 313 - Intermediate Drawing

Course Description:
Builds on basic skills with more difficult and sustained challenges. Traditional and contemporary materials and approaches explored. Drawing considered as a final medium of expression, as well as a tool to develop ideas for other forms of art.
Credit Hours: 3 Prerequisite Courses:
ART 111

Course Repeatability: Course may not be repeated.

ART 314 - The Art of Pastel

Course Description:

Historical survey and technical exploration of the soft pastel medium. Aesthetic issues; pigment properties; application and preservation methods.

Credit Hours: 3 Prerequisite Courses:

ART 211 or ART 242

Course Repeatability: Course may not be repeated.

ART 315 - Collage

Course Description:

Investigation of the various collage materials and processes. Focus on assembling materials cohesively to convey artistic intent. Students study the historical evolution of collage and the collage work of contemporary artists.

Credit Hours: 3 Prerequisite Courses:

ART 101 or consent of instructor.

Course Repeatability: Course may not be repeated.

ART 316 - Special Topics in Drawing

Course Description:

Selected topics in drawing not covered in regular course offerings. Course is repeatable for nine hours under different topics.

Credit Hours: 3 Prerequisite Courses:

ART 111 and ART 313 , or consent of instructor.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 9 Repeat Limit: 2

ART 320 - Computer Animation

Course Description:

Basic principles of animation using 3-D computer-generated animation and basic processes for animating synthetic objects through structured exercises. Principles of designing and producing 3-D computer-generated animation through the creation of advanced motion studies. Projects focus on developing higher-level skills in model building, animation and color and lighting.

Credit Hours: 3 Prerequisite Courses:

ART 220

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Crosslisting:

CSC 320 , FST 320

Course Repeatability: Course may not be repeated.

ART 321 - Intermediate Ceramics

Course Description:

Focus on use of potter's wheel. Ceramic art history, technical issues (glaze application, continued study of firing practice) and introduction to critical writings in discipline.

Credit Hours: 3 Prerequisite Courses:

ART 221

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated.

ART 322 - Intermediate Ceramics

Course Description:

Focus on use of potter's wheel. Ceramic art history, technical issues (glaze application, continued study of firing practice) and introduction to critical writings in discipline.

Credit Hours: 3 Prerequisite Courses:

ART 221

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated.

ART 323 - Ceramic Sculpture

Course Description:

Investigation of ceramic material outside of the bounds of utility, focusing on sculptural issues of form, scale, mass and color.

Credit Hours: 3 Prerequisite Courses:

ART 221

Course Repeatability: Course may not be repeated.

ART 324 - Special Topics in Ceramics

Course Description:

Selected topics in ceramics not covered in regular course offerings. Course is repeatable for nine hours under different topics.

Credit Hours: 3 Prerequisite Courses:

ART 221

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 9 Repeat Limit: 2

ART 333 - Intermediate Intaglio & Relief

Course Description:

Further exploration of relief and intaglio processes. Color reduction woodcut, wood engraving, large-scale monotype, copper engraving, mezzotint, and multi-plate color intaglio.

Credit Hours: 3 Prerequisite Courses:

ART 233

Course Repeatability: Course may not be repeated.

ART 335 - Intermediate Serigraphy

Course Description:

Further exploration of screen-printing processes. Photo-serigraphy, photomontage, and large-scale prints.

Credit Hours: 3 Prerequisite Courses:

ART 235

Course Repeatability: Course may not be repeated.

ART 336 - Special Topics in Printmaking

Course Description:

Selected topics in printmaking not covered in regular course offerings. Course is repeatable for nine hours under different topics.

Credit Hours: 3 Prerequisite Courses:

ART 233 or ART 235 or ART 237 or consent of instructor.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 9 Repeat Limit: 2

ART 337 - Intermediate Lithography

Course Description:

Further exploration of hand lithographic processes. Multi-stone color, aluminum plate, acid tint, and copier toner.

Credit Hours: 3 Prerequisite Courses:

ART 237

Course Repeatability: Course may not be repeated.

ART 340 - Painting and Drawing: Materials and Methods

Course Description:

Foundations of professional painting and drawing practices. Topics include safety, toxicity, power tools, preparation process for both canvas and wood panels, sizes and grounds, oil mediums, and acrylic dispersions.

Credit Hours: 3 Prerequisite Courses:

ART 111 and ART 242 .

Course Repeatability: Course may not be repeated.

ART 341 - Intermediate Painting

Course Description:

Further investigation of materials and visual concepts, with attention to expanding the fundamentals of painting.

Credit Hours: 3 Prerequisite Courses:

ART 242

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated.

ART 342 - Intermediate Painting

Course Description:

Further investigation of materials and visual concepts, with attention to expanding the fundamentals of painting.

Credit Hours: 3 Prerequisite Courses:

ART 242

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated.

ART 343 - Figure Painting

Course Description:

Oil and acrylic painting from the model. Investigates representational and abstract interpretations of the figure. Emphasizes spatial strategies, color, and paint application techniques.

Credit Hours: 3 Prerequisite Courses:

ART 211 or ART 242

Additional Restrictions/Requirements:

Prerequisite courses or consent of instructor.

Course Repeatability: Course may not be repeated.

ART 346 - Special Topics in Painting

Course Description:

Selected topics in painting not covered in detail in regular course offerings. Course is repeatable for nine hours under different topics.

Credit Hours: 3 Prerequisite Courses:

ART 203 and ART 242 , or consent of instructor.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 9 Repeat Limit: 2

ART 351 - Intermediate Sculpture

Course Description:

Investigation of fabrication, carving and casting as sculptural process. Techniques may include metal cutting, welding, forging, wood construction, carving and casting.

Credit Hours: 3 Prerequisite Courses:

ART 251 or consent of instructor.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Repeat Limit: 1

ART 353 - Special Topics in Sculpture

Course Description:

Selected topics in sculpture not covered in regular course offerings. Course is repeatable for nine hours under different topics.

Credit Hours: 3 Prerequisite Courses:

ART 251 or consent of instructor.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 9 Repeat Limit: 2

ART 360 - Intermediate Graphic Design

Course Description:

Further investigation into graphic design creative processes and study of graphic communication through lectures, projects, and readings. Continuing development of software proficiency, critical and analytical skills. Emphasis on both practical and speculative approaches to design problems and their synthesis into formal solutions.

Credit Hours: 3 Prerequisite Courses:

ART 260

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated.

ART 365 - Typography

Course Description:

Overview of the conceptual, formal, and technical issues of typography. The history of typography, the anatomy of letter forms, classifications of type, visual syntax, legibility, and technology. Exercises and projects emphasize production of visual communication for print using typography as the dominant element.

Credit Hours: 3 Prerequisite Courses:

ART 260

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated.

ART 366 - Special Topics in Graphic Design

Course Description:

Selected topics in graphic design not covered in regular course offerings. Course is repeatable for nine hours under different topics.

Credit Hours: 3 Prerequisite Courses:

ART 260 or consent of instructor.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 9 Repeat Limit: 2

ART 369 - Special Topics in Digital Media

Course Description:

Selected topics in digital media not covered in regular course offerings. Course is repeatable for nine hours under different topics.

Credit Hours: 3 Prerequisite Courses:

ART 101 or consent of instructor.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 9 Repeat Limit: 2

ART 370 - 3D Printing and Laser Cutting

Course Description:

Exploration of 3D printing and laser cutting for art and design. Study of digital art culture including contemporary artistic, political, and ethical issues in the field.

Credit Hours: 3 Prerequisite Courses:

ART 101 or consent of instructor.

Course Repeatability: Course may not be repeated.

ART 371 - Video Art & Projection Mapping

Course Description:

An exploration of time-based media, video art and projected light, with instruction on the history and use of analog and digital methods, including a variety of video projection mapping software to create immersive environments or to add moving textures and images to sculpture, installation, performance, and architecture.

Credit Hours: 3 Prerequisite Courses:

ART 101 or consent of instructor.

Course Repeatability: Course may not be repeated.

ART 372 - Digital Printmaking

Course Description:

This course will focus on the creation of digitally processed and handprinted images. Projects will explore the development of visual and narrative ideas using digital tools, and hand-printing the digital images using traditional printmaking methods.

Credit Hours: 3 Prerequisite Courses:

ART 101 .

Course Repeatability: Course may not be repeated.

ART 380 - Intermediate Darkroom Photography

Course Description:

Further exploration of darkroom processes for developing and printing black and white photographic films. Larger images, addictional formats, independent creative projects, and further development of personal imagery.

Credit Hours: 3 Prerequisite Courses:

ART 280

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated.

ART 382 - Intermediate Digital Photography

Course Description:

Further exploration of digital fine art photography concepts and methods. Further development of personal imagery through independent creative projects, discussions, and critiques of images created with digital cameras and printed with digital media.

Credit Hours: 3 Prerequisite Courses:

ART 282

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated.

ART 383 - Special Topics in Photography

Course Description:

Selected topics in photography not covered in regular course offerings. Course is repeatable for nine hours under different topics.

Credit Hours: 3 Prerequisite Courses:

ART 280 or ART 282 or consent of instructor.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 9 Repeat Limit: 2

ART 411 - Advanced Life Drawing

Course Description:

Drawing from the model: drawing as a finished product, exploration of drawing techniques.

Credit Hours: 3 Prerequisite Courses:

ART 311 or consent of instructor.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Repeat Limit: 1

ART 421 - Advanced Ceramics

Course Description:

In-depth investigation of form chosen by student. Study of glaze technology, firing practice and clay-body composition. Student must fill and fire their own kiln.

Credit Hours: 3 Prerequisite Courses:

ART 321 or ART 322 or consent of instructor.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Repeat Limit: 1

ART 425 - Clay and Glaze Technology

Course Description:

Theory and practice of clay and glaze formulation and effects.

Credit Hours: 3 Prerequisite Courses:

ART 321 or ART 322

Additional Restrictions/Requirements:

Prerequisite courses, Art Studio majors only, or consent of instructor.

Course Repeatability: Course may not be repeated.

ART 433 - Advanced Intaglio & Relief

Course Description:

Advanced exploration of relief and intaglio processes and issues. Vitreography, photo-etching, large-scale prints, image cycles.

Credit Hours: 3 Prerequisite Courses:

ART 333

Course Repeatability: Course may not be repeated.

ART 435 - Advanced Serigraphy

Course Description:

Advanced exploration of screen-printing processes and issues. Monoprints, mixed media, three-dimensional prints, large-scale prints, and image cycles.

Credit Hours: 3 Prerequisite Courses:

ART 335

Course Repeatability: Course may not be repeated.

ART 437 - Advanced Lithography

Course Description:

Advanced exploration of lithographic processes and issues. Waterless lithography, Xerox transfer, mixed-media prints, monoprints, large-scale aluminum plate prints, and image cycles.

Credit Hours: 3 Prerequisite Courses:

ART 337

Course Repeatability: Course may not be repeated.

ART 441 - Advanced Painting

Course Description:

Elaboration of conceptual, perceptual, and expressive painting modes with emphasis on individual development.

Credit Hours: 3 Prerequisite Courses:

ART 342 or consent of instructor.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Repeat Limit: 1

ART 451 - Advanced Sculpture

Course Description:

Exploration of sculpture processes. Focus on development of skills associated with a particular technique or medium and its conceptual applications. Practice in creating application proposals.

Credit Hours: 3 Prerequisite Courses:

ART 351 or consent of instructor.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Repeat Limit: 1

ART 475 - Professional Practices

Course Description:

Preparation for graduate school, business practices, portfolio presentation, grant applications, publicity, and professional studio practice.

Credit Hours: 3 Additional Restrictions/Requirements:

Junior or senior standing.

Course Repeatability: Course may not be repeated.

ART 476 - Senior Exhibit

Course Description:

Topics include generating a coherent body of work; presentation solutions (matting, framing, pedestals, labels); writing an artist's statement and resume; curatorial decisions; promotion and installation of exhibition; discipline appropriate writing.

Credit Hours: 3 Additional Restrictions/Requirements:

Senior standing, and course must be completed in the semester of graduation.

University Studies: ["Building Competencies/Writing Intensive", "Building Competencies/Information Literacy", "Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated.

ART 483 - Advanced Photography

Course Description:

Advanced level photography course that builds upon photographic fundamentals in

darkroom, digital, and alternative process photography. The curriculum focuses on furthering a personal aesthetic through a cohesive body of work. This course approaches photography as fine art while emphasizing technique, visual problem solving, and critical thinking.

Credit Hours: 3 Prerequisite Courses:

ART 380 or ART 382 , or permission of instructor.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Repeat Limit: 1

ART 491 - Directed Individual Study

Course Description:

Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.

Credit Hours: 1 To 3 Additional Restrictions/Requirements:

Junior or senior standing, overall GPA of at least 2.00, and consent of instructor, department chair and dean.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

ART 495 - Seminar In Art

Course Description:

Consideration of special subjects not covered in detail in regular course offerings. More than one topic may be taken for credit.

Credit Hours: 1 To 3 Additional Restrictions/Requirements:

Junior or senior standing.

Course Repeatability: Course may not be repeated.

ART 496 - Digital Arts Capstone

Course Description:

Final portfolio project integrating the principles, skills, and techniques explored in the digital arts major. Research project is determined by the student and developed in ongoing consultation with peers and digital arts faculty. Course culminates with a presentation of the project on the UNCW campus and project documentation.

Credit Hours: 3 Prerequisite Courses:

ART 211, CSC 331 with a minimum grade of "C", and CSC 368

Additional Restrictions/Requirements:

Senior standing.

University Studies: ["Building Competencies/Writing Intensive", "Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated.

ART 498 - Internship In Art

Course Description:

Academic training and practical field experience through a program of work and study within an agency and/or setting related to the student's principal area of interest. Faculty supervision and evaluation of all study and on-site activity. (A maximum of six credit hours may be applied toward the degree).

Credit Hours: 3 To 6 Additional Restrictions/Requirements:

Junior or senior standing, minimum 3.00 GPA in the major and consent of chair.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:

Additional Course Fee Schedule

ART 499 - Honors Work In Art

Course Description:

Independent study for honors students.

Credit Hours: 2 To 3 Additional Restrictions/Requirements:

Junior or senior standing and eligibility for Honors Program.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

ARH 201 - Ancient Art and Archaeology

Course Description:

Introduction to the art and cultures of ancient Egypt, the Near East, and the Mediterranean. Emphasis on architecture, painting, sculpture, and objects of daily life to inform the myths and histories of ancient civilizations connected to the broader Mediterranean basin.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives"] Course Repeatability: Course may not be repeated.

ARH 202 - Medieval and Early Modern Art

Course Description:

Study of the major developments in global art, including painting, sculpture, and architecture from the late Medieval through the Early Modern period. Subject, style, formal qualities, patronage, significance, and the place of works of art in their respective religious, social, and political context.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives"] Course Repeatability: Course may not be repeated.

ARH 204 - Art of the Modern World

Course Description:

Examination of major monuments, artists, and artistic developments from the 19th to the late 20th century, primarily in Europe and the Americas. Study of the relationship between works of art and the historical, political, religious, and philosophical context of the societies that produced and made use of them.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives"] Course Repeatability: Course may not be repeated.

ARH 300 - Egyptian Art

Course Description:
A study of the art and culture of ancient Egypt, from 3000 BC to the third century BC. Emphasis on architecture, sculpture, and painting as related to Egyptian history, culture, and religion.
Credit Hours: 3 Prerequisite Courses:
ARH 201 or ARH 202 or ARH 204 or consent of instructor.
Course Repeatability: Course may not be repeated.

ARH 301 - Ancient Greek Art

Course Description:
A study of the art of the Aegean and ancient Greece, from 3000 B.C. to the first century B.C. Emphasis on architecture, painting, and sculpture as related to ancient history and culture.
Credit Hours: 3 Prerequisite Courses:
ARH 201 or ARH 202 or ARH 204 or consent of instructor.
Course Repeatability: Course may not be repeated.

ARH 302 - Ancient Roman Art

Course Description:
A study of the art of Etruria and Rome from the sixth century B.C. to 350 A.D. Emphasis on architecture, painting, and sculpture as related to ancient history and culture.
Credit Hours: 3 Prerequisite Courses:
ARH 201 or ARH 202 or ARH 204 or consent of instructor.
Course Repeatability: Course may not be repeated.

ARH 303 - Medieval Art

Course Description:
Study of European art from Early Christian times through the Gothic period in Europe. Emphasis on architecture, painting, sculpture, and graphics as related to medieval history and culture.
Credit Hours: 3 Prerequisite Courses:

ARH 201 or ARH 202 or ARH 204

Additional Restrictions/Requirements:

Consent of instructor can be given in place of prerequisites.

Course Repeatability: Course may not be repeated.

ARH 304 - Northern Renaissance Art

Course Description:

Study of the art in Northern Europe, exclusive of Italy, from 1200 to 1600 A.D. Emphasis on architecture, painting, sculpture, and graphics as related to the history and culture of the period.

Credit Hours: 3 Prerequisite Courses:

ARH 201 or ARH 202 or ARH 204

Additional Restrictions/Requirements:

Consent of instructor can be given in place of prerequisites.

Course Repeatability: Course may not be repeated.

ARH 305 - Italian Renaissance Art

Course Description:

Study of art in Italy from 1200 to 1600 A.D. Emphasis on architecture, painting, sculpture, and graphics as related to history and culture of the period.

Credit Hours: 3 Prerequisite Courses:

ARH 201 or ARH 202 or ARH 204

Additional Restrictions/Requirements:

Consent of instructor can be given in place of prerequisites.

University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

ARH 306 - Baroque & Rococo Art

Course Description:

Study of the aesthetic, social, and political dimensions of Baroque and Rococo art from its origins in Europe through its diffusion into the Americas, Africa, and Asia. Focus on visual and material culture characterized by the expanding trade networks, colonization, technological innovations, and religious reform of the global Baroque period.

Credit Hours: 3 Prerequisite Courses:

ARH 201 or ARH 202 or ARH 204

Additional Restrictions/Requirements:

Consent of instructor can be given in place of prerequisites.

University Studies: ["Approaches and Perspectives/Living in a Global Society"] Course Repeatability: Course may not be repeated.

ARH 307 - Nineteenth Century European Art

Course Description:

Study of nineteenth century European art with an emphasis on architecture, painting, sculpture, and graphics as related to European history and culture of the period.

Credit Hours: 3 Prerequisite Courses:

ARH 201 or ARH 202 or ARH 204

Additional Restrictions/Requirements:

Consent of instructor can be given in place of prerequisites.

Course Repeatability: Course may not be repeated.

ARH 309 - Art of the United States

Course Description:

Study of art in the United States from first explorations to World War II, exclusive of that produced by indigenous peoples. Emphasis on architecture, painting, sculpture, and graphics as related to history and culture.

Credit Hours: 3 Prerequisite Courses:

ARH 201 or ARH 202 or ARH 204

Additional Restrictions/Requirements:

Consent of instructor can be given in place of prerequisites.

University Studies: ["Approaches and Perspectives/Living in Our Diverse Nation"] Course Repeatability: Course may not be repeated.

ARH 311 - Contemporary Art

Course Description:

Broad survey of contemporary art from 1960 to the present. Western (American, European) art will be considered alongside art from other regions of the world such as Asia, Africa, and the Middle East. Special emphasis will be placed on the relationship between contemporary art and the social contexts and changes that mark this period.

Credit Hours: 3 Prerequisite Courses:

ARH 201 or ARH 202 or ARH 204

Additional Restrictions/Requirements:

Consent of instructor can be given in place of prerequisites.

University Studies: ["Approaches and Perspectives/Living in a Global Society"] Course Repeatability: Course may not be repeated.

ARH 312 - Women in Art

Course Description:

Historical survey of women artists and their artistic contributions, as well as an examination of the religious, mythological, and secular images of women in art.
Credit Hours: 3 Prerequisite Courses:

ARH 201 or ARH 202 or ARH 204

Additional Restrictions/Requirements:

Consent of instructor can be given in place of prerequisites.

University Studies: ["Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated.

ARH 313 - Modern Architecture & Urbanism

Course Description:

Study of the built environment globally from the 19th century until today. Considers modernity in relation to architecture, urbanism, and the theories of these disciplines. A chronological and thematically organized examination of key movements, architects, projects, debates, and technologies.

Credit Hours: 3 Prerequisite Courses:

ARH 201 or ARH 202 or ARH 204.

Additional Restrictions/Requirements:

Consent of Instructor can be given in place of prerequisites.

Course Repeatability: Course may not be repeated.

ARH 314 - Art of the Cold War, 1945-1989

Course Description:

Examination of the major artistic developments of the mid-twentieth century during the Cold War period. Exploration of significant currents of art production, key players, movements, and institutions on a global scale, reflecting the worldwide implications of Cold War tensions.

Credit Hours: 3 Prerequisite Courses:

ARH 201 or ARH 202 or ARH 204

Additional Restrictions/Requirements:

Consent of Instructor can be given in place of prerequisites.

Course Repeatability: Course may not be repeated.

ARH 320 - African Art

Course Description:

Study of sub-Saharan African art and architecture from prehistoric times to the present. Special emphasis placed on form, content, function, and meaning, as well as the impact of African art on modern and African American art.

Credit Hours: 3 Prerequisite Courses:

ARH 201 or ARH 202 or ARH 204

Additional Restrictions/Requirements:

Consent of Instructor can be given in place of prerequisites.

Course Repeatability: Course may not be repeated.

ARH 321 - Art and Archaeology of the Ancient Near East

Course Description:

Study of art and archaeology as well as the history of Ancient Near East (Mesopotamia, Syria, Turkey, Iran) beginning with state formation in the 4th millennium BCE and ending with the Persian Empire in the 4th century BCE.

Credit Hours: 3 Prerequisite Courses:

ARH 201 or ARH 202 or ARH 204

Additional Restrictions/Requirements:

Consent of Instructor can be given in place of prerequisites.

Course Repeatability: Course may not be repeated.

ARH 325 - Islamic Art

Course Description:

Study of the art and architecture of the Islamic world from the 7th century to the 17th century. Emphasis on architecture, painting, and metal arts as related to the history and culture of Muslim peoples. Special attention is focused on intersection and exchange between Islam and the west.

Credit Hours: 3 Prerequisite Courses:

ARH 201 or ARH 202 or ARH 204

Additional Restrictions/Requirements:

Consent of Instructor can be given in place of prerequisites.

Course Repeatability: Course may not be repeated.

ARH 330 - Art of the Non-Western World

Course Description:

Study of the history of art and diverse cultures in Asia, the Islamic World, the Americas, Oceania, and Africa. Emphasis on objects of fine art and material culture placed within their cultural contexts.

Credit Hours: 3 Prerequisite Courses:

ARH 201 or ARH 202 or ARH 204

Additional Restrictions/Requirements:

Consent of Instructor can be given in place of prerequisites.

Course Repeatability: Course may not be repeated.

ARH 380 - Early Christian and Byzantine Art

Course Description:

Study of early Christian visual culture from the Late Roman through the Byzantine Empire, concluding with images of the 8th century iconoclastic controversy.

Credit Hours: 3 Prerequisite Courses:

ARH 201 or ARH 202 or ARH 204

Additional Restrictions/Requirements:

Consent of Instructor can be given in place of prerequisites.

Course Repeatability: Course may not be repeated.

ARH 381 - Classical Myth in Western Art

Course Description:

Exploration of how Greek mythological stories have been used in the Western artistic tradition, following key mythological figures who regularly appear in art from the tenth century BCE to today, addressing changes in tradition, narrative, and intent.

Credit Hours: 3 Prerequisite Courses:

ARH 201 or ARH 202 or ARH 204

Additional Restrictions/Requirements:

Consent of Instructor can be given in place of prerequisites.

Course Repeatability: Course may not be repeated.

ARH 384 - History of Graphic Design

Course Description:

Examines the evolution of graphic design from prehistory through postmodern design and the digital revolution. Explores the history of visual communication as developed by ancient cultures through the present day with an emphasis on commercial design, illustration, typographic development and technological invention.

Credit Hours: 3 Prerequisite Courses:

ARH 201 or ARH 202 or ARH 204

Additional Restrictions/Requirements:

Consent of Instructor can be given in place of prerequisites.

Course Repeatability: Course may not be repeated.

ARH 385 - History Of Printmaking

Course Description:

Survey of printed pictures from the 15th century to the present. Emphasis on the evolution of printmaking with specific attention to its practical applications, as well as its function as fine art.

Credit Hours: 3 Prerequisite Courses:

ARH 201 or ARH 202 or ARH 204

Additional Restrictions/Requirements:

Consent of Instructor can be given in place of prerequisites.

Course Repeatability: Course may not be repeated.

ARH 386 - History of Photography

Course Description:

Introduction to the history of photography from its invention in 1839 until the present day. Emphasis on the development of techniques, imagery, and aesthetics of photography as art and documentation.

Credit Hours: 3 Prerequisite Courses:

ARH 201 or ARH 202 or ARH 204

Additional Restrictions/Requirements:

Consent of Instructor can be given in place of prerequisites.

Course Repeatability: Course may not be repeated.

ARH 391 - Introduction to Art Museums

Course Description: Introduction to the history and theory of art museums and cultural institutions dedicated to the preservation and exhibition of art, visual and material culture. Critical examination of art museums through topics including curating, education, ethics, contemporary issues, and technology. Credit Hours: 3 Prerequisite Courses: ARH 201 or ARH 202 or ARH 204. Course Repeatability: Course may not be repeated.

ARH 401 - Special Topics in Ancient Art

Course Description:

Research and exploration of select themes in Ancient art. Examples of themes: Greek Sculpture, Roman Sculpture, Pompeii.

Credit Hours: 3 Prerequisite Courses:

ARH 201 and ARH 202 and ARH 204 , or consent of the instructor.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Repeat Limit: 1

ARH 402 - Special Topics in Medieval and Early Modern Art

Course Description:

Research and exploration into selected themes in Medieval and Early Modern art, such as the Gothic cathedral, pilgrimage arts, manuscripts and incunabula; Jan van Eyck or other specific artists.

Credit Hours: 3 Prerequisite Courses:

ARH 201 and ARH 202 and ARH 204 , or consent of instructor.

Course Repeatability: Course may not be repeated.

ARH 403 - Special Topics in the Art of the Modern World

Course Description:

Research and exploration into selected themes in Modern and Contemporary art from a global perspective, beginning with the Impressionists and including women and artists of color. Investigation and discussion of aesthetics in cultural, social, religious, and/or political contexts.

Credit Hours: 3 Prerequisite Courses:

ARH 201 and ARH 202 and ARH 204 , or consent of instructor.

University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

ARH 476 - Art History Capstone Seminar

Course Description:

Integration of principles, theories, and methods learned throughout the art history major. Students creatively analyze, synthesize, and evaluate learned knowledge in a research project with a focus that changes yearly. The course culminates in a research paper and art exhibition (directed by one faculty member), working with original art and artifacts presented in a venue on the UNCW campus, and concluding in an oral defense presentation.

Credit Hours: 1 To 3 Additional Restrictions/Requirements:

Senior standing.

University Studies: ["Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

ARH 491 - Directed Individual Study

Course Description:

Investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in the catalogue.

Credit Hours: 1 To 3 Additional Restrictions/Requirements:

Junior or senior standing, overall GPA of at least 2.00, and consent of instructor, department chair, and dean.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

ARH 495 - Seminar In Art History

Course Description:

Consideration of special subjects not covered in detail in regular course offerings. May be repeated under different subtitle for credit.

Credit Hours: 1 To 3 Prerequisite Courses:

ARH 201 and ARH 202

Additional Restrictions/Requirements:

Junior or senior standing.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

ARH 498 - Internship In Art History

Course Description:

Academic training and practical field experience within an agency or setting related to the student's principal area of interest. (A maximum of six credit hours may be applied toward the degree).

Credit Hours: 3 To 6 Additional Restrictions/Requirements:

Junior or senior standing, minimum 3.00 GPA in the major, and consent of chair.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

ARH 499 - Honors Work In Art History

Course Description:

Independent study for honors students.

Credit Hours: 2 To 3 Additional Restrictions/Requirements:

Junior or senior standing and eligibility for Honors Program.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

ATR 210 - Introduction to Athletic Training

Course Description:

Introduction to the profession of athletic training. Topics will cover: injury/illness prevention and wellness protection, clinical evaluation and diagnosis, immediate and emergency care, treatment and rehabilitation, organizational and professional health and well-being. Lecture and laboratory skill practice included.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

ATR 211 - Care and Prevention of Athletic Injuries

Course Description:

This course will focus on acquiring knowledge and applying foundational concepts of athletic training in the areas of anatomy and kinesiology, general pathology of injury, injury prevention strategies and risk management techniques. Lecture and laboratory skill practice included.

Credit Hours: 3 Additional Restrictions/Requirements:

Restricted to ATR majors.

Course Repeatability: Course may not be repeated.

ATR 220 - Functional and Structural Kinesiology

Course Description:

Prerequisite: BIO 201 ; Corequisites: BIO 240 , BIOL 240 and BIO 241 , BIOL 241 or EXS 216 , EXSL 216 and EXS 217 . This course is designed to provide students with a foundation of structural anatomy and basic kinesiology concepts, with a focus on anatomy of the skelton, muscles, and ligaments in relation to functional human movement.

Credit Hours: 3 Corequisite Courses:

BIO 240 and BIOL 240 and BIO 241 and BIOL 241 and EXS 216 and EXSL 216 and EXS 217

Prerequisite Courses:

BIO 201

Course Repeatability: Course may not be repeated.

ATR 300 - Seminar with Allied Health Care Professionals

Course Description:

Introduce athletic training students to various allied health care professionals from different settings. Must take six total credits over six semesters.

Credit Hours: 1 Additional Restrictions/Requirements:

Restricted to ATR majors or consent of instructor.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

ATR 302 - Therapeutic Modalities in Athletic Training

Course Description:

Theoretical fundamentals of therapeutic interventions with regard to the evidenced-based practice of therapeutic modalities. Lecture and laboratory skill practice included.

Credit Hours: 3 Corequisite Courses:

ATR 305 and ATR 307

Prerequisite Courses:

ATR 304 and ATR 306

Additional Restrictions/Requirements:

Restricted to ATR majors.

Course Repeatability: Course may not be repeated.

ATR 303 - Therapeutic Rehabilitation in Athletic Training

Course Description:

Theoretical fundamentals of therapeutic interventions with regard to the evidence-based practice of physical rehabilitation and psychosocial strategies relating to the

injury process. Lecture and laboratory skill practice included.
Credit Hours: 3 Corequisite Courses:
ATR 448
Prerequisite Courses:
ATR 302 and ATR 305 and ATR 307
Additional Restrictions/Requirements:
Restricted to ATR majors.
Course Repeatability: Course may not be repeated.

ATR 304 - Evaluation of Athletic Injuries I

Course Description:
Theoretical fundamentals of clinical evaluation and diagnosis with regard to evidence-based practice of orthopedic injuries to the spine and lower extremity. Lecture and laboratory skill practice included.
Credit Hours: 3 Corequisite Courses:
ATR 306 and BIO 241
Prerequisite Courses:
ATR 211 and BIO 240
Additional Restrictions/Requirements:
Restricted to ATR majors.
Course Repeatability: Course may not be repeated.

ATR 305 - Evaluation of Athletic Injuries II

Course Description:
Theoretical fundamentals of clinical evaluation and diagnosis with regard to evidence-based practice of orthopedic injuries to the spine and upper extremity. Lecture and laboratory skill practice included.
Credit Hours: 3 Corequisite Courses:
ATR 302 and ATR 307
Prerequisite Courses:
ATR 304 and ATR 306
Additional Restrictions/Requirements:
Restricted to ATR majors.
Course Repeatability: Course may not be repeated.

ATR 306 - Clinical I in Athletic Training

Course Description:
This course will assess students on the clinical applications of acute care management of injuries and illnesses including planning, examination and immediate care of emergent conditions. Minimum requirement of 150 to maximum of

250 clinical experience hours. Lecture and laboratory skill practice included.
Credit Hours: 3 Corequisite Courses:
ATR 304 and BIO 241
Prerequisite Courses:
ATR 211 and BIO 240
Additional Restrictions/Requirements:
Restricted to ATR majors.
Course Repeatability: Course may not be repeated.

ATR 307 - Clinical II in Athletic Training

Course Description:
This course will assess students on the clinical applications of clinical evaluation and diagnosis of the spine and lower extremity with regard to current evidence-based practice. Minimum requirement of 150 to maximum of 250 clinical experience hours. Lecture and laboratory skill practice included.
Credit Hours: 3 Corequisite Courses:
ATR 302 and ATR 305
Prerequisite Courses:
ATR 304 and ATR 306
Additional Restrictions/Requirements:
Restricted to ATR majors.
Course Repeatability: Course may not be repeated.

ATR 445 - Organization and Administration in Athletic Training

Course Description:
Topics will focus on understanding the dynamics of a complex healthcare system with regards to the delivery and management of individualized patient care.
Credit Hours: 3 Corequisite Courses:
ATR 449 and ATR 450
Prerequisite Courses:
ATR 303 and ATR 448
Additional Restrictions/Requirements:
Restricted to ATR majors.
University Studies: ["Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

ATR 448 - Clinical III in Athletic Training

Course Description:
This course will assess students on the clinical applications of clinical evaluation and diagnosis of the spine and upper extremity with regard to current evidence-based

practice. Minimum requirement of 150 to maximum of 250 clinical experience hours. Lecture and laboratory skill practice included.

Credit Hours: 3 Corequisite Courses:

ATR 303

Prerequisite Courses:

ATR 302 and ATR 305 and ATR 307

Additional Restrictions/Requirements:

Restricted to ATR majors.

Course Repeatability: Course may not be repeated.

ATR 449 - Clinical IV in Athletic Training

Course Description:

This course will assess students on the clinical applications of therapeutic interventions focusing on comprehensive treatment planning and psychosocial strategies with regard to current evidence-based practice. Minimum requirement of 150 to maximum of 250 clinical experience. Lecture and laboratory skill practice included.

Credit Hours: 3 Corequisite Courses:

ATR 445 and ATR 450

Prerequisite Courses:

ATR 303 and ATR 448

Additional Restrictions/Requirements:

Restricted to ATR majors.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated.

ATR 450 - Pharmacology Concepts in Sports Medicine

Course Description:

This course is designed as an introduction to pharmacology for athletic trainers. Topics include pharmacokinetic and pharmacodynamics principles, drug regulation and therapeutic use in the context of physically active populations. Lecture and laboratory skill practice included.

Credit Hours: 3 Corequisite Courses:

ATR 445 and ATR 449

Prerequisite Courses:

ATR 303 and ATR 448

Additional Restrictions/Requirements:

Prerequisite courses, corequisite courses, ATR majors or consent of instructor.

Course Repeatability: Course may not be repeated.

ATR 470 - Medical Terminology for Health Professions

Course Description:

The course is designed for students to build a foundational understanding of medical terminology with appropriate application to pathological conditions of the various body systems. Focus on preparing students to use appropriate medical documentation skills consistent with today's allied health care professions.

Credit Hours: 3 Prerequisite Courses:

EXS 216 or BIO 240 .

Course Repeatability: Course may not be repeated

ATR 490 - Clinical V in Athletic Training

Course Description:

This capstone course will assess students on clinical integration proficiencies encompassing the professional domains of athletic training. Preparation for employment and professional development will be a focus. Minimum requirement of 150 to maximum of 250 clinical experience hours. Lecture and laboratory skill practice included.

Credit Hours: 3 Prerequisite Courses:

ATR 445 and ATR 449 and ATR 450

Additional Restrictions/Requirements:

Restricted to ATR majors.

University Studies: ["Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated.

BIO 105 - Concepts of Modern Biology

Course Description:

Introduction to the diversity of life and the principles governing living systems, focusing on the role of humans in the natural world. Designed for the non-biology major. Employs multi-media instructional materials. The lab for this course is BIOL 105.

Credit Hours: 3 Prerequisite or Corequisite Courses:

BIOL 105

University Studies: ["Building Competencies/Information Literacy", "Approaches and Perspectives/Scientific Approaches to the Natural World"] Course Repeatability: Course may not be repeated.

BIO 140 - Human Physiology

Course Description:

Introduction to the function of the human body emphasizing basic physiological

principles and their relation to current health trends and fads.
Lab:
The lab for this course is BIOL 140 .
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Scientific Approaches to the Natural World"] Course Repeatability: Course may not be repeated.

BIO 150 - Humans and Ecology

Course Description:
Introduction to the principles of ecology including concepts of succession, biotic communities, biodiversity, limits on population growth and conservation of natural resources.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Scientific Approaches to the Natural World"] Course Repeatability: Course may not be repeated.

BIO 160 - Genetics in Human Affairs

Course Description:
Discussion of basic principles of genetics (for non-majors or majors) with the ultimate goal of developing an understanding of the relationship of genetics to the society of today and its possible influence on the future of humans. Survey of current knowledge of the inheritance of human traits is included.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in a Global Society", "Approaches and Perspectives/Scientific Approaches to the Natural World"] Course Repeatability: Course may not be repeated.

BIO 180 - Plants and the Environment

Course Description:
Introduction to the plant kingdom through study of plant diversity, structure, and function as they relate to environmental issues such as global carbon balance, deforestation, agricultural runoff, and the effects of the introduction of genetically engineered plants. Impact of plants on human culture, history, civilization, and economics will be discussed.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

BIO 190 - Microbes and Human Society

Course Description:
Introduction to the world of the microorganism, focusing on the diversity, structure and function of microbial life, the spread and control of disease-producing organisms, and the impact of these life forms on human culture, history, and civilization.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Scientific Approaches to the

Natural World"] Course Repeatability: Course may not be repeated.

BIO 201 - Principles of Biology: Cells

Course Description:

Introduction to principles governing living systems, especially the cellular and molecular basis of life and the transmission and utilization of genetic information. The lab for this course is BIOL 201.

Credit Hours: 3 Prerequisite or Corequisite Courses:

BIOL 201

University Studies: ["Approaches and Perspectives/Scientific Approaches to the Natural World"] Course Repeatability: Course may not be repeated.

BIO 202 - Principles of Biology: Biodiversity

Course Description:

Evolution, classification, and diversity of life, stressing morphology, physiology, principles of adaptation, and relationships between biotic and abiotic components of ecosystems. The lab for this course is BIOL 202.

Credit Hours: 3 Prerequisite or Corequisite Courses:

BIOL 202

University Studies: ["Building Competencies/Information Literacy", "Approaches and Perspectives/Scientific Approaches to the Natural World"] Course Repeatability: Course may not be repeated.

BIO 205 - Biology of the Sea

Course Description:

Introduction to the organisms that live in marine environments and the role of humans in the use of marine resources. Explores the biological, physical, chemical, and geological characteristics of various marine habitats.

University Studies: ["Approaches and Perspectives/Scientific Approaches to the Natural World"] Course Repeatability: Course may not be repeated.

BIO 206 - Marine Megafauna

Course Description:

Exploration of the biology of large marine animals, including giant squid, sharks, sea turtles, seabirds, and marine mammals. Considers the role that marine megafauna play in ocean ecosystems and the impacts of human activities on these organisms. Includes exploration of the social, economic, and policy considerations that are critical in the protection of threatened species.

Course Repeatability: Course may not be repeated.

BIO 207 - Biology of Coastal Habitats

Course Description:
Introduction to coastal habitats and the biology of the organisms residing in areas such as marshes, estuaries, hardbottom habitats, temperate seagrasses, kelp beds, and tidal flats. Considers ecological and economic importance of coastal habitats and investigates major stressors and mechanisms of resilience.
Course Repeatability: Course may not be repeated.

BIO 208 - Marine Life in Danger

Course Description:
Introduction to the biology of the Earth's ocean ecosystems and exploration of how human activities are threatening their health and function. Investigation of the causes, effects, and potential solutions to the current issues facing the world's largest habitat.
Course Repeatability: Course may not be repeated.

BIO 240 - Human Anatomy and Physiology I

Course Description:
Lecture must be taken concurrent with BIOL 240 . An introduction to the human organism with particular emphasis on maintenance of an internal steady state. Tissues, musculoskeletal, nervous, and endocrine systems are stressed.
Lab:
The lab for this course is BIOL 240 .
Credit Hours: 3 Corequisite Courses:
BIOL 240 .
Prerequisite Courses:
BIO 201 and CHM 101 and CHML 101 .
University Studies: ["Approaches and Perspectives/Scientific Approaches to the Natural World"]
Course Repeatability: Course may not be repeated.

BIO 241 - Human Anatomy and Physiology II

Course Description:
A comprehensive study of human organ systems as relates to the maintenance of homeostasis. Topics include cardiovascular, respiratory, digestive, urinary, and reproductive systems.
Lab:
The lab for this course is BIOL 241 .
Credit Hours: 3 Corequisite Courses:
BIOL 241
Prerequisite Courses:
BIO 240
Course Repeatability: Course may not be repeated.

BIO 246 - Microbiology of Human Diseases

Course Description:

An introduction to and survey of the biology of pathogenic microorganisms responsible for human infectious diseases including: bacteria, viruses, fungi, single-celled protozoans, and parasitic worms, with an emphasis on transmission, diagnosis, prevention, and clinical management.

Lab:

The lab for this course is BIOL 246 .

Credit Hours: 3 Prerequisite Courses:

BIO 201 and CHM 101 and CHML 101 .

Course Repeatability: Course may not be repeated.

BIO 291 - Introductory Research

Course Description:

Laboratory and computational research under faculty supervision beyond what is offered in existing courses.

Credit Hours: 1 To 3 Additional Restrictions/Requirements:

Freshman or sophomore standing and consent of instructor and department chair.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

BIO 308 - Biology of Cancer

Course Description:

A comprehensive and multifaceted approach to studying cancer. Focus on research methods in three areas of investigation: basic cancer biology, cancer epidemiology, and clinical cancer research.

Credit Hours: 3 Prerequisite Courses:

BIO 201 and BIO 202.

Course Repeatability: Course may not be repeated.

BIO 311 - Terrestrial Botany

Course Description:

Morphological and anatomical survey of the embryophytes (land plants) with an emphasis on life histories, evolutionary origins, and phylogenetic relationships. May include local field trips.

Credit Hours: 4 Prerequisite Courses:

BIO 201 and BIO 202

Course Repeatability: Course may not be repeated.

BIO 313 - Marine Phycology

Course Description:

Introduction to the morphology, life histories, and ecology of benthic marine algae with emphasis on special topics such as morphogenesis, ecotypic variation and speciation, phytogeography, or seasonal periodicity of growth and reproduction. The lab for this course is BIOL 313.

Credit Hours: 3 Corequisite Courses:

BIOL 313

Prerequisite Courses:

BIO 362 or BIO 366

Course Repeatability: Course may not be repeated.

BIO 315 - Comparative Vertebrate Anatomy

Course Description:

Comparative morphology and phylogenetic interrelationships of vertebrate animals; representative organisms dissected in laboratory.

Credit Hours: 0 Or 4 Prerequisite Courses:

BIO 201 and BIO 202

University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

BIO 316 - Human Embryology

Course Description:

Fundamental principles of human embryonic development. The comparative morphology and phylogenetic interrelationships between developmental processes are emphasized. Common birth defects are discussed with the organ systems.

Credit Hours: 3 Prerequisite Courses:

BIO 201 and BIO 202

Course Repeatability: Course may not be repeated.

BIO 317 - Vertebrate Histology

Course Description:

An introduction to the cytology and morphology of vertebrate cells and tissues, including examination of the four major histological tissues: epithelium, connective tissue, muscle, and nerve. Other topics include the techniques and instrumentation of light microscopy and selected methods of sectioning, fixation, and staining of tissues. Student project required.

Credit Hours: 0 Or 4 Prerequisite Courses:

BIO 201 and BIO 202.

Course Repeatability: Course may not be repeated.

BIO 318 - Invertebrate Zoology

Course Description:

Survey of invertebrate animals with emphasis on the structure, function, phylogeny, ecology, and life histories of marine taxa. The lab for this course is BIOL 318.

Credit Hours: 3 Corequisite Courses:

BIOL 318

Prerequisite Courses:

BIO 201 and BIO 202.

Course Repeatability: Course may not be repeated.

BIO 320 - Immunology

Course Description:

Introduction to the molecular, cellular, and anatomical components of the human immune system and their roles in the normal immune response. Explores the mechanisms and consequences of immunodeficiencies, hypersensitivities. autoimmunity, vaccines, immunotherapies, and transplants.

Credit Hours: 3 Prerequisite Courses:

BIO 201 , BIO 202 .

Course Repeatability: Course may not be repeated.

BIO 322 - Biological Invasions

Course Description:

The scientific study of the invasion process, persistence, and spread of introduced species; ecological and economic impacts and management of introduced species; and how global change influences the impact of introduced species on human resources.

Credit Hours: 3 Prerequisite Courses:

BIO 201 and BIO 202.

Course Repeatability: Course may not be repeated.

BIO 325 - Molecular Biology of the Cell

Course Description:

Chemical and physical properties of cells, with emphasis on molecular biology and experimental biological systems used to elucidate cellular function.

Lab:

The lab for this course is BIOL 325 .

Credit Hours: 3 Prerequisite Courses:

BIO 201 and BIO 202 and CHM 211

Course Repeatability: Course may not be repeated.

BIO 330 - Microbiology

Course Description:

Study of pathogenic and nonpathogenic microorganisms with emphasis on the biology of bacteria and viruses. The lab for this course is BIOL 330 .

Credit Hours: 3 Prerequisite Courses:

BIO 201 and BIO 202 .

Course Repeatability: Course may not be repeated.

BIO 335 - Genetics

Course Description:

Principles of Mendelian inheritance, gene action and molecular genetics, and population genetics.

Lab:

The lab for this course is BIOL 335 .

Credit Hours: 3 Prerequisite Courses:

BIO 201 and BIO 202

Course Repeatability: Course may not be repeated.

BIO 340 - Plant Physiology

Course Description:

Study of plant function at the molecular, cellular, and organismic levels, with emphasis placed on unique aspects of vascular plants. Topics include water relations, solute transport, photosynthesis, nitrogen metabolism, plant hormones, photo control of development, and stress physiology.

Credit Hours: 0 Or 4 Prerequisite Courses:

BIO 201 and BIO 202 , and CHM 102 and CHML 102 .

University Studies: ["Building Competencies/Writing Intensive", "Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

BIO 345 - Animal Physiology

Course Description:

Comparative study of physiological processes in different organisms approached through study of tissues, organs, and systems.

Lab:

The lab for this course is BIOL 345 .

Credit Hours: 3 Prerequisite Courses:

BIO 201 and BIO 202 , and CHM 102 and CHML 102 .

Course Repeatability: Course may not be repeated.

BIO 346 - Animal Nutrition

Course Description:

Exploration of the anatomy and physiology of the digestive system of domestic ruminant and non-ruminant animals, the classification of nutrients, and the application of animal nutrition and feeding.

Credit Hours: 3 Prerequisite Courses:

BIO 201 , BIO 202 , CHM 101 , CHM 102 .

Course Repeatability: Course may not be repeated.

BIO 354 - Herpetology

Course Description:

Study of reptiles and amphibians with emphasis on their evolution, physiology, ecology, behavior, and conservation. Laboratory focuses on species identification and field techniques for studying herpetofauna. Several field trips to local areas.

Credit Hours: 0 Or 4 Prerequisite Courses:

BIO 201 and BIO 202.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 4

BIO 356 - Vertebrate Natural History

Course Description:

An introduction to the vertebrates with emphasis on systematics, adaptations, life history, behavior, and ecology. Laboratory emphasis on the identification and natural history of regional fauna. Limited field study is required.

Credit Hours: 0 Or 4 Prerequisite Courses: BIO 201 and BIO 202 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 4

BIO 358 - Marine Mammals

Course Description:

Study of pinnipeds, cetaceans, and sirenians, emphasizing their evolution and taxonomic relationships, anatomical and physiological adaptations, ecologic and economic importance, and natural history.

Credit Hours: 3 Prerequisite Courses: BIO 201 and BIO 202 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

BIO 360 - Biology of Infectious Diseases

Course Description:

Course provides a conceptual overview of parasites and their modes of transmission, host-parasite co-evolution, population dynamics of disease, emerging diseases of humans, animals, and plants, disease control, and the effects of parasites on individuals, populations, communities, and ecosystems.

Credit Hours: 3 Prerequisite Courses:

BIO 201 , BIO 202 .

Course Repeatability: Course may not be repeated.

BIO 362 - Marine Ecology

Course Description:

Introduction to basic ecological principles in the marine environment as they pertain to individual organisms, populations, communities, and ecosystems. The lab for this course is BIOL 362.

Credit Hours: 3 Prerequisite Courses:

BIO 201 and BIO 202.

University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

BIO 363 - Coral Reef Ecology

Course Description:

Ecology and physiology of coral reef organisms, emphasizing processes that contribute to the function and complexity of coral reef ecosystems. Reef information and geology, coral biology and physiology, ecological interactions, human effects, global effects, and conversation will be considered. The lab for this course is BIOL 363.

Credit Hours: 3 Prerequisite Courses:

BIO 201 and BIO 202 .

Course Repeatability: Course may not be repeated.

BIO 366 - Ecology

Course Description:

An introduction to basic ecological principles as they pertain to individual organisms, populations, communities and systems.

Lab:

The lab for this course is BIOL 366 .

Credit Hours: 3 Prerequisite Courses:

BIO 201 and BIO 202

Course Repeatability: Course may not be repeated.

BIO 367 - Antarctic Ecology, Geology, History, and Policy

Course Description:

An in-depth examination of the frozen continent including its geologic origins, ice sheet formation, and fossil record. Its unique ecology, endemic wildlife, discovery and human history, anthropogenic impacts, and current international agreements to

protect resources will also be examined. Open to juniors and seniors from all major departments. Also offered as BIO 585 with additional requirements.
Credit Hours: 3 Prerequisite Courses:
BIO 201 and BIO 202
Course Repeatability: Course may not be repeated.

BIO 368 - Behavioral Ecology

Course Description:
Evolutionary approach focusing on both proximate and ultimate causes of behavior. Feeding and antipredatory behavior, habitat selection, territoriality, reproductive behavior, mating systems, parental care, animal communication, and the evolution of social behavior. Emphasis on birds, mammals, and fish.
Credit Hours: 3 Prerequisite Courses:
BIO 201 and BIO 202 and BIO 366
Course Repeatability: Course may not be repeated.

BIO 369 - Behavioral Neurobiology

Course Description:
Introduction to the natural behavior of animals and how that relates to the structure and function of neurons and neural tissues. Neural systems and their relationship to the biophysical environment, how they underlie animal perception and behavior, and how they result from evolutionary processes, such as coevolution are explored.
Credit Hours: 3 Prerequisite Courses:
BIO 201 , BIO 202 .
Course Repeatability: Course may not be repeated.

BIO 370 - Evolutionary Medicine

Course Description:
The scientific study of evolutionary principles as they apply to human health and disease. Topics include antibiotic resistance, pathogen virulence, aging, cancer, autoimmune disease, obesity, and mental illness.
Credit Hours: 3 Prerequisite Courses:
BIO 201 and BIO 202 .
Course Repeatability: Course may not be repeated.

BIO 371 - Phytoplankton

Course Description:
Introduction to the physiology and ecology of phytoplankton. Exploration of the diversity and function of microalgae, their role in aquatic ecosystems, and their potential application in biotechnology solutions.

Credit Hours: 3 Prerequisite Courses:
BIO 201 and BIO 202.
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 4

BIO 378 - Global Environmental Problems

Course Description:
Review and discussion of causes and effects of major environmental problems, with emphasis on ecosystem-level effects and interactions. Topics include extinction, deforestation, climate change, and pollution impacts.
Credit Hours: 3 Prerequisite Courses:
BIO 201 and BIO 202 and CHM 101 and CHML 101 .
Course Repeatability: Course may not be repeated.

BIO 387 - Biological Impacts of Coastal Management

Course Description:
Overview of the impacts of coastal management efforts on species of concern and broader ecosystem dynamics. Exploration of how coastal activities and coastal management related to fisheries, aquaculture, shoreline processes, and water quality may directly and indirectly impact coastal ecosystem composition and resiliency, populations of endangered species, and broader connections with the ocean foods webs.
Credit Hours: 3 Prerequisite Courses:
BIO 201 , BIO 202 .
Additional Restrictions/Requirements:
Junior or senior standing or consent of instructors
Course Repeatability: Course may not be repeated.

BIO 410 - Biotechnology

Course Description:
A survey of techniques used in biotechnology and application of these techniques for practical biomedical and environmental use. Topics include cloning, genetic engineering, PCR, RNAi, antibody technologies, vaccines, microarrays, bioremediation, biofuels, drug discovery and synthesis, gene therapy, transgenics, cloning, stem cells, forensics, and biowarfare.
Credit Hours: 3 Prerequisite Courses:
BIO 335 or BIO 325 .
Course Repeatability: Course may not be repeated.

BIO 411 - The Human Microbiome

Course Description:

Foundational knowledge on the structure and function of microbes living in and on the human body, with a particular focus on human health and homeostasis.
Credit Hours: 3 Prerequisite Courses:

BIO 201 and BIO 202.

Course Repeatability: Course may not be repeated.

BIO 412 - Marine Botany

Course Description:

Introduction to coastal marine plant communities, including how the marine environment affects plant community dynamics. Topic areas include: classification and identification, morphology, physiological ecology, importance to humans, and current hot topics. The lab for this course is BIOL 412.
Credit Hours: 3 Corequisite Courses:

BIOL 412

Prerequisite Courses:

BIO 362.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

BIO 428 - Parasitology

Course Description:

An introduction to the single-cell and multi-cellular eukaryotic parasites infecting humans. Special emphasis will be given to parasite structure, genetics, physiology, life cycle, ecology, and host response.
Credit Hours: 3 Prerequisite Courses: BIO 201 and BIO 202 and BIO 335 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

BIO 430 - Evolutionary Biology

Course Description:

Study of biological change over time through pathways of descent and through adaptation, including how biological diversity, from molecular through organismal levels, originates and is maintained. Focus on modern evolutionary analysis and applications in medicine, agriculture, and conservation.
Credit Hours: 3 Prerequisite Courses:

BIO 335

Crosslisting:

ANT 430

Course Repeatability: Course may not be repeated.

BIO 434 - Coastal Marine Ecology

Course Description:

An in-depth study of the major processes controlling populations and structuring coastal marine communities. Emphasis is on the review and discussion of important historical and recent scientific papers.
Credit Hours: 3 Prerequisite Courses:
BIO 366 or BIO 362
Course Repeatability: Course may not be repeated.

BIO 435 - Virology

Course Description:
An introduction to the fundamental principles of virology. Key concepts include virus structure, replication strategies, classification and taxonomy, diagnostics, pathogenesis, epidemiology, immunity, gene therapy, and vaccines and antivirals.
Credit Hours: 3 Prerequisite Courses:
BIO 201 and BIO 202.
Course Repeatability: Course may not be repeated.

BIO 438 - Epidemiology

Course Description:
Introduction to the basic concepts of epidemiology and biostatistics as applied to public health problems. Emphasis is placed on summaries and displays of data, statistical approaches to describe the health of populations, analytic study designs for investigating associations between risk factors and disease outcomes and criteria for causal inference.
Credit Hours: 3 Prerequisite Courses:
BIO 201 and BIO 202 and STT 215
Course Repeatability: Course may not be repeated.

BIO 439 - Stem Cell and Regenerative Biology

Course Description:
Principles of cellular and molecular mechanisms of regeneration in a diversity of animals. Topics include the contribution of stem cells to the developmental and regenerative processes of various organisms and how these themes intersect with human health.
Credit Hours: 3 Prerequisite Courses:
BIO 325 or BIO 335 .
Course Repeatability: Course may not be repeated.

BIO 440 - Developmental Biology

Course Description:
Concepts of mechanism and control during animal embryology and organ

morphogenesis. Topics include chemical signals and signal transduction, different gene expression, and the techniques used to study them. Current primary research literature is stressed.

Lab:

The lab for this course is BIOL 440 .

Credit Hours: 3 Prerequisite Courses:

BIO 335

Course Repeatability: Course may not be repeated.

BIO 442 - Sensory Biology

Course Description:

Sensory Biology considers the senses from a whole organism perspective – from signal detection at the periphery to how the brain processes the information to produce a response. We explore how animals (and even plants) detect, process, and respond to sensory stimuli, such as light, odor, sound, touch, and temperature.

Credit Hours: 3 Prerequisite Courses:

BIO 240 or BIO 345 or PSY 256 .

Course Repeatability: Course may not be repeated.

BIO 443 - Neurobiology

Course Description:

General concepts of cellular neuronal signaling and circuit connectivity with an emphasis on how simple neuronal circuits produce behavior and behavioral variability.

Credit Hours: 3 Prerequisite Courses:

BIO 240 or BIO 345 or PSY 256

Course Repeatability: Course may not be repeated.

BIO 445 - Environmental Physiology

Course Description:

Study of the physiological and biochemical mechanisms by which organisms adapt to the physical parameters within their environments (e.g., temperature, salinity, pressure, hypoxia, altitude) and acclimate to environmental change.

Credit Hours: 3 Prerequisite Courses:

(BIO 201 and BIO 202 and BIO 345) or BIO 340

Course Repeatability: Course may not be repeated.

BIO 448 - Toxicology

Course Description:

Introduction to basic concepts of toxicology as they relate to both ecological and

human health, including distribution, cellular penetration, metabolic conversion, and elimination of toxic agents, as well as the fundamental laws governing the interaction of foreign chemicals with biological systems. Focus is on the application of these concepts to the understanding and prevention of the adverse effects resulting from environmental, occupational, or medical exposure to toxic substances (i.e., pesticides, pharmaceuticals, endocrine disrupting compounds).

Credit Hours: 3 Prerequisite Courses:

BIO 201 and BIO 202 and CHM 211

Course Repeatability: Course may not be repeated.

BIO 452 - Mammalogy

Course Description:

Study of mammals, emphasizing their evolution, taxonomic relationships, structural and physiological adaption, and life histories.

Credit Hours: 4 Prerequisite Courses:

BIO 201 and BIO 202

Course Repeatability: Course may not be repeated.

BIO 455 - Field Methods in Marine Mammalogy

Course Description:

Research experience in field and laboratory techniques pertaining to marine mammal ecology, behavior, and communication.

Credit Hours: 3 Prerequisite Courses:

BIO 201 and BIO 202

Course Repeatability: Course may not be repeated.

BIO 456 - Ornithology

Course Description:

An introduction to avian biology with an emphasis on the evolution, classification, physiology, ecology, natural history, and conservation of birds. The lab for this course is BIOL 456.

Credit Hours: 3 Corequisite Courses:

BIOL 456

Prerequisite Courses:

BIO 201, BIO 202, and BIO 366 or BIO 362

Course Repeatability: Course may not be repeated.

BIO 457 - Ichthyology

Course Description:

Survey of systematics, evolution, ecology, and natural history of living fishes, with

emphasis on southeastern United States.

Lab:

The lab for this course is BIOL 457 .

Credit Hours: 3 Prerequisite Courses:

BIO 362.

Course Repeatability: Course may not be repeated.

BIO 458 - Fisheries Biology

Course Description:

An examination of the factors that control the population dynamics of fishes. Introduction to the principles of fisheries science including estimation of population metrics such as age, growth, mortality, and abundance, fish stock assessment, and fishery management strategies.

Lab:

The lab for this course is BIOL 458 .

Credit Hours: 3 Prerequisite Courses:

BIO 366 or BIO 362

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated.

BIO 459 - Endocrinology: Hormone Biology

Course Description:

Study of classic hormonal regulation with up-to-date perspective on all forms of chemical communication in animals. Concepts covered with support from research literature, including effects of mutations and endocrine disruption on health. Applicable to human medicine, veterinary medicine, and basic research. Training to find, read, and use research literature provided.

Credit Hours: 3 Prerequisite Courses:

BIO 201 and BIO 202 and CHM 211

Course Repeatability: Course may not be repeated.

BIO 460 - Limnology

Course Description:

An examination of the physical, chemical, and biological characteristics of freshwater systems, particularly lakes and ponds.

Lab:

The lab for this course is BIOL 460 .

Credit Hours: 3 Prerequisite Courses:

BIO 201 and BIO 202 , and CHM 102 and CHML 102 .

Additional Restrictions/Requirements:

Junior or senior standing.

Course Repeatability: Course may not be repeated.

BIO 461 - Biology of Human Aging

Course Description:

Introduction to the biology of aging mechanisms in humans. Explores the meaning and process of aging from the genetic to the organ system levels. Addresses the basics of senescence and longevity and how they pertain to human physiology and disease.

Prerequisite Courses:

BIO 335

Course Repeatability: Course may not be repeated.

BIO 462 - Deep Sea Biology

Course Description:

Study of deep-sea biosphere, with emphasis on the biology of abyssal zones off the North Carolina coast and hydrothermal vent ecosystems. Topics include unique benthic and pelagic animals in deep-sea environments and their physiological adaptations to hydrostatic pressure and low temperature, nutritional dynamics, reproductive strategies, energy flow, and speciation in abyssal and ultra abyssal zones.

Credit Hours: 3 Prerequisite Courses:

BIO 362

Course Repeatability: Course may not be repeated.

BIO 465 - Biochemistry

Course Description:

Chemical properties and metabolism of amino acids, proteins, carbohydrates, lipids, and nucleic acids; enzymes kinetics; bioenergetics regulatory mechanisms.

Lab:

The lab for this course is BIOL 465 .

Credit Hours: 3 Prerequisite Courses:

BIO 201 and BIO 202 and CHM 211

Additional Restrictions/Requirements:

Junior or senior standing.

Course Repeatability: Course may not be repeated.

BIO 466 - Conservation Biology

Course Description:

A scientific approach to the protection, maintenance, and restoration of biological diversity, including its ecological and evolutionary processes and total environment.
Credit Hours: 3 Prerequisite Courses:

BIO 366 or BIO 362

Additional Restrictions/Requirements:

Junior or senior standing.

Course Repeatability: Course may not be repeated.

BIO 470 - Mariculture

Course Description:

Overview of basic principles of fish and shellfish production. Focus on the basic features of culture systems, biology of major culture species and legal and economic aspects of mariculture. Specific culture techniques for a variety of marine species, with special emphasis on the southeast US coast.

Credit Hours: 3 Prerequisite Courses:

BIO 362.

Course Repeatability: Course may not be repeated.

BIO 475 - Plant Systematics

Course Description:

An introduction to identification, classification, and nomenclature of vascular plants with emphasis on the flora of southeastern North Carolina.

Credit Hours: 4 Prerequisite Courses:

BIO 201 and BIO 202

Course Repeatability: Course may not be repeated.

BIO 480 - Field Studies in Biology

Course Description:

A research/experience-oriented field course offered in selected regional locales. Emphasis is placed on distribution, taxonomy, and ecology of animal and/or plant organisms. May be repeated under different subtitles.

Credit Hours: 1 To 6 Prerequisite Courses:

BIO 201 and BIO 202

Additional Restrictions/Requirements:

Prerequisite courses and consent of instructor. BIO 366 and credit in advanced zoology or botany recommended.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

BIO 482 - Wildlife Ecology

Course Description:

Principles of wildlife ecology and management, including population dynamics, diseases, techniques, behavior, habitat manipulations, policy and administration, and contemporary issues such as antihunting. Assigned field problems.
Credit Hours: 3 Prerequisite Courses:
BIO 366
Additional Restrictions/Requirements:
Junior or senior standing.
Course Repeatability: Course may not be repeated.

BIO 483 - Biology of Crustaceans

Course Description:
A survey of the crustaceans to include: anatomy, taxonomy, physiology, behavior, and diversity. Focus on basic crustacean biology for both economically important species and those animals frequently used in biological research.
Lab:
The lab for this course is BIOL 483 .
Credit Hours: 3 Prerequisite Courses:
BIO 362
Course Repeatability: Course may not be repeated.

BIO 484 - Methods in Biological Research

Course Description:
Introduction to experimental design, data acquisition, statistical analysis, and preparation of manuscripts and presentations. Emphasis on multi-disciplinary approaches to hypothesis testing. Participation in a collaborative research project.
Credit Hours: 1 To 3 Prerequisite Courses:
BIO 201 and BIO 202
Course Repeatability: Course may not be repeated.

BIO 485 - Special Topics in Advanced Biology

Course Description:
Explains selected topics not considered in detail in regular course offerings. More than one topic may be taken for credit.
Credit Hours: 1 To 6 Prerequisite Courses:
BIO 201 and BIO 202
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12 Repeat Limit: 11

BIO 486 - Advanced Topics in Mariculture

Course Description:
Advanced mariculture topics not considered in detail in other courses. More than

one topic may be taken for credit.
Credit Hours: 3 Prerequisite Courses: BIO 201 and BIO 202 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 3

BIO 487 - Introduction to Coastal Management

Course Description:
Interdisciplinary study of human impact on coastal environments and organisms. Physical and biotic settings of worldwide coastal regions, principles of coastal management, current topics in coastal management, and analysis of potential solutions to coastal problems.
Credit Hours: 0 Or 4 Additional Restrictions/Requirements:
Junior or senior standing or consent of instructors.
Crosslisting:
OCN 458 , GLY 558
Course Repeatability: Course may not be repeated.

BIO 489 - Benthic Ecology

Course Description:
The scientific study of the organisms and processes that structure coastal benthic communities. Benthic communities encompass the vast seafloor areas of estuaries and oceans and support aquatic communities, fisheries, larger species of interest, and critical ecosystem processes.
Credit Hours: 3 Prerequisite Courses:
BIO 201 , BIO 202 , BIO 366 .
Course Repeatability: Course may not be repeated.

BIO 490 - Practicum In Marine Biology

Course Description:
Exploration of advanced topics in marine biology with an emphasis on hands-on research experiences in the classroom, laboratory, or field. The lab for this course is BIOL 490.
Credit Hours: 1 Corequisite Courses:
BIOL 490
Prerequisite Courses:
BIO 362 or BIO 366
Course Repeatability: Course may not be repeated. Major Restriction: Marine Biology Minor Restriction: Marine Biology

BIO 491 - Directed Individual Study

Course Description:

Involves investigation under faculty supervision beyond what is offered in existing courses. No more than 6 credits total may be applied to the major. For further information, consult the

Depending on their interests and abilities, UNCW students may choose from several kinds of special courses and programs to individualize and otherwise enrich their studies.

- This course, designated as 491 in each department, involves investigation beyond what is offered in existing courses. To enroll in a Directed Individual Study, students must be a junior or senior. Additionally, students must have an overall grade point average of at least 2.00 and the approval of (1) the faculty member who will direct the study, (2) the departmental chairperson, and (3) the appropriate dean. Departmental criteria will include (1) the availability of the instructor (instructors may only supervise a limited number of independent studies each semester), (2) the appropriateness of and need for the proposed study in the student's program, (3) the availability of library and other research resources, and (4) the feasibility of completion of the proposed study in the allotted time. Students are limited to nine credit hours of Directed Individual Study toward graduation requirements.

- Several departments within the College of Humanities, Social Sciences, and the Arts and the professional schools offer field experience courses as part of their semester or summer programs. Participating students conduct individual or group research under faculty guidance at selected areas within and outside the continental United States. Apart from the greater Wilmington area, field experience courses have been conducted in such places as the Florida Keys, Barbados, the Bahamas, Portugal, and parts of Central and South America.

- Raymond L. Burt, *coordinator*

  The German Studies Consortium links participating UNC institutions to facilitate the sharing of teaching and learning resources to enhance German Studies across The University of North Carolina system. This consortium offers a broad array of German Studies courses in the language, literature, and culture of the German-speaking countries taught by specialists in the field. The primary focus is on the sharing of upper-level German classes offered each semester on the North Carolina Information Superhighway. Participant universities include Appalachian

State University, East Carolina University, North Carolina State University, the University of North Carolina at Asheville, the University of North Carolina at Charlotte, the University of North Carolina at Greensboro, University of North Carolina Wilmington, and Western Carolina University. For course details, visit the UNC Online Exchange.

- Regina Felix, *coordinator*
  The Portuguese Exhange links participating UNC institutions to facilitate the sharing of teaching and learning resources to enhance Portuguese language and Portugurese and Brazilian Studies across the University of North Carolina system. This exchange offers courses in the language, literature, and culture of the Portuguese-speaking countries taught by specialists in the field. Participant universities include Appalachian State University, North Carolina State University, the University of North Carolina Asheville, the University of North Carolina at Chapel Hill, the Unversity of North Carolina at Charlotte, the University of North Carolina Wilmington, and Winston Salem State University. For course details, visit the UNC Online Exchange.

- Dave Graber, *coordinator*
  The Russian Studies Consortium links participating UNC institutions to facilitate the sharing of teaching and learning resources to enhance Russian Studies across The University of North Carolina system. This consortium offers a broad array of Russian Studies courses in the language, literature, history, film, society, and culture in the Russian-speaking countries, which can be taught in the target language and/or in translation by specialists with credentials in Russian Studies. The primary goal focuses on the sharing of elementary, intermediate, and upper level Russian Studies classes offered each semester as well as summer session courses on the North Carolina Information Superhighway and/or fully online. Participant universities include Appalachian State University, East Carolina University, North Carolina State University, The University of North Carolina at Charlotte, The University of North Carolina at Greensboro, and The University of North Carolina Wilmington. Courses are offered through the UNC Online Exchange.

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Raymond L. Burt, UNCW *coordinator*
The UNC Language Assembly is a cooperative of the language departments of all 17 campuses of the UNC System, and serves the UNC System and the State of North Carolina by supporting the foreign language programs at the constituent institutions and by seeking to offer a wide diversity of foreign language choices to the students at all the UNC campuses. Students are not required to pay tuition at the other campus, since UNCW tuition applies to these courses as well. Courses are taught online or through videoconference technology. Students can directly enroll in language classes offered by campuses through the UNC Online Exchange.

- https://uncw.edu/myuncw/academics/graduate-school/forms

Graduate Courses Taken for Undergraduate Credit

Graduate courses at UNCW or other accredited institutions may be used to fulfill undergraduate requirements if approved by the course instructor, student's department chair, undergraduate dean, and the dean of the Graduate School. All other transfer credit policies apply. Permission forms may be obtained on the Graduate School forms page under the "Undergraduate Registration for Graduate Courses" section at https://uncw.edu/myuncw/academics/graduate-school/forms.

Graduate Course Taken as an Undergraduate to Later Apply to a Graduate Degree

Undergraduate students who wish to take graduate courses and later receive graduate credit for them must fill out a Docusign to obtain permission in advance from the course instructor, student's department chair and undergraduate dean,

and the Graduate School for approval. Graduate courses taken under this provision may not be used to fulfill undergraduate degree requirements. Permission forms may be obtained on the Graduate School form page under the "Undergraduate Registration for Graduate Courses"
section https://uncw.edu/myuncw/academics/graduate-school/forms.

Credit for Approved Combined Degree Programs

Graduate courses used to fulfill an undergraduate degree requirement at UNCW may be applied to a graduate degree only when taken as part of an approved combined degree program. Courses applied toward an awarded degree may not be applied to a second degree except as described by specific degree programs.

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https://www.uncw.edu/global/
The Office of Global Partnerships and International Education is comprised of three units: Education Abroad, English Language Center, and the Office of International Students & Scholars.

Education Abroad

UNCW offers more than 800 education abroad opportunities in more than 50 countries. Options available include coursework taken abroad, international internships for academic credit, credit-bearing service-learning experiences, academic research, and virtual global learning opportunities. UNCW provides education abroad opportunities to suit nearly every major and credit earned through international programs may be applied towards a UNCW degree. Financial aid may be used in conjunction with education abroad programs and scholarships are

available. Students may select from short-term and summer programs, as well as semester, year-long and two-year dual degree options.

All applications for any credit-bearing program abroad must be made through the Office of Global Partnerships and International Education.

UNCW students who study abroad retain their active UNCW student status and will not have to re-enroll upon return.

Eligibility requirements include:

- 18 years of age at the time of participation
- Good disciplinary standing
- 2.5+ cumulative grade point average
- Sophomore+ status (select programs are open to first-year students)
- Any program-specific requirements
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Several programs in the College of Humanities, Social Sciences, and the Arts, College of Science and Engineering, College of Education, College of Health and Human Services, and the Cameron School of Business offer students the opportunity to earn academic credit within a work environment external to the program. The purpose of the internship experience is to enhance, supplement, and integrate the learning that occurs in formal classroom settings. Permission of the dean and program offering the internship is required to enroll, and the program places limits on the number of credit hours earned applicable toward graduation. Internships designated by a 498 number will be graded on a Pass (P), Fail (F) basis. These credit hours earned will count towards the number of hours required to graduate, but the grade of Pass (P) will be excluded from the computation of the GPA. For further information on internships, refer to the courses numbered 498 in the course listings and then contact the departments offering them.

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The North Carolina Child Welfare Education Collaborative is a university-agency partnership that ensures a quality work force in child welfare settings. The educational goal of this program is to directly address the workforce need for social workers in child welfare settings. Administered by the Jordan Institute for Families, the collaborative includes North Carolina social work education programs, the NC Division of Social Services, the NC Association of County Directors of Social Services and the NC Chapter of the National Association of Social Workers. Educating, training, and supporting current and future social workers in child

welfare meets the goal of strengthening families and protecting children. The collaborative offers focused educational courses, training and field experience in child welfare agencies. Participating universities include Appalachian State University, University of North Carolina at Chapel Hill, East Carolina University, North Carolina State University, Joint Masters of Social Work Program at University of North Carolina at Greensboro and North Carolina Agricultural and Technical State University, and University of North Carolina Wilmington.

- The Reverse Transfer Program is a collaborative effort between North Carolina's Community Colleges and the University of North Carolina's 16 constituent institutions. Students who transfer to UNC Wilmington from one of the 58 North Carolina community colleges are given the opportunity to combine the credits earned at UNCW with credit already earned at the community college to determine if the associate degree requirements have been met. Students have the opportunity to opt-in to this program at the time of admission as a transfer student. There is no cost to participate. For more information, contact the Office of the Registrar. **Eligibility:** Students must have earned at least 16 college-level credit hours at one community college applicable towards their degree, to be eligible to participate. After earning a total of 60 combined credits, the student's UNCW records will be sent back to their previous community college for evaluation. The community college will contact students via their UNCW email, with further details, if the Associate degree is awarded.

- Several UNCW courses employ service-learning opportunities. Service learning is an innovative method of teaching and learning that combines thoughtfully organized service to the community with other means of instruction. Community service-projects are integrated into and enhance the academic curriculum of students, fitting naturally into the philosophy and pedagogy of a variety of disciplines and fostering civic responsibility. Both students and the community benefit from service learning. Service-learning courses have several strengths, not the least of which is that they are adaptable to the needs of the community while providing structured time for the students to reflect on the service experience.

section in this catalogue.

Credit Hours: 1 To 3 Additional Restrictions/Requirements:

Junior or senior standing, overall GPA of at least 2.00, and consent of instructor, department chair and dean.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

BIO 493 - Practicum in Biology Teaching

Course Description:

Organization, preparation, and assistance in classroom and/or laboratory exercises and demonstrations under faculty supervision. A maximum of 3 credits may be applied to the major.

Credit Hours: 1 To 4 Additional Restrictions/Requirements:

Junior or senior standing, consent of instructor, and a 3.00 cumulative GPA.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

BIO 495 - Seminar

Course Description:

Individual reports and group discussions of the results of student field, laboratory and/or library research on selected topics in biology.

Lab:

The lab for this course is BIOL 495 .

Credit Hours: 1 Additional Restrictions/Requirements:

Senior Standing.

University Studies: ["Explorations Beyond the Classroom", "Building Competencies/Information Literacy"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 2 Repeat Limit: 1

BIO 498 - Internship in Biological Sciences

Course Description:

Practical field experience and training through a program of work and study within a business or agency. Students are supervised and evaluated jointly by a biology faculty member and an on-site supervisor. (Only three semester hours may count toward biology degree requirement.)

Credit Hours: 1 To 12 Additional Restrictions/Requirements:

Junior or senior standing and major, minimum overall average of 2.00 and consent of instructor.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:

Additional Course Fee Schedule

BIO 499 - Honors Work in Biology

Course Description:

Independent study for honor students.

Credit Hours: 2 To 3 Additional Restrictions/Requirements:

Junior or senior standing.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

BIOL 105 - Concepts of Modern Biology Laboratory

Course Description:

Introduction to basic cell biology and biodiversity sampling techniques for the non-biology major. Experience in laboratory approaches to introduce basic investigative skills and methods of biological inquiry. This course is the lab for BIO 105.

Credit Hours: 1 Prerequisite or Corequisite Courses:

BIO 105

University Studies: ["Approaches and Perspectives/Scientific Approaches to the Natural World"] Course Repeatability: Course may not be repeated.

BIOL 140 - Human Physiology Laboratory

Course Description:

Introduction to the scientific method of inquiry using human physiology as a focus.

Lab:

This course is the lab for BIO 140 .

Credit Hours: 1 Corequisite Courses:

BIO 140

University Studies: ["Approaches and Perspectives/Scientific Approaches to the Natural World"] Course Repeatability: Course may not be repeated.

BIOL 201 - Principles of Biology: Cells Laboratory

Course Description:

Introduction to basic cell biology sampling techniques and data analysis. Experience in laboratory approaches to introduce basic investigative skills and methods of biological inquiry. This course is the lab for BIO 201.

Credit Hours: 1 Prerequisite or Corequisite Courses:

BIO 201

University Studies: ["Approaches and Perspectives/Scientific Approaches to the Natural World"] Course Repeatability: Course may not be repeated.

BIOL 202 - Principles of Biology: Biodiversity Laboratory

Course Description:

Introduction to basic biodiversity sampling techniques and data analysis. Experience in laboratory approaches to introduce major taxonomic groups and biotic principles. This course is the lab for BIO 202.

Credit Hours: 1 Prerequisite or Corequisite Courses:

BIO 202

University Studies: ["Approaches and Perspectives/Scientific Approaches to the Natural World"]

Course Repeatability: Course may not be repeated.

BIOL 240 - Human Anatomy and Physiology Laboratory I

Course Description:

Basic histology, dissections, and physiology experiments to demonstrate principles explored in BIO 240 .

Lab:

This course is the lab for BIO 240 .

Credit Hours: 1 Prerequisite Courses:

Prerequisite or corequisite: BIO 240 .

University Studies: ["Approaches and Perspectives/Scientific Approaches to the Natural World"]

Course Repeatability: Course may not be repeated.

BIOL 241 - Human Anatomy and Physiology Laboratory II

Course Description:

Basic histology, dissections, and physiology experiments to demonstrate principles explored in BIO 241 .

Lab:

This course is the lab for BIO 241 .

Credit Hours: 1 Prerequisite Courses:

Prerequisite or corequisite: BIO 241 .

Course Repeatability: Course may not be repeated.

BIOL 246 - Microbiology of Human Diseases Laboratory

Course Description:

Must be taken after or concurrent with BIO 246 lecture. An introduction to basic microbiological laboratory techniques necessary to isolate, identify, stain, culture, and control microorganisms of interest. Special emphasis is placed upon clinical applications through research and completion of historical and clinical case studies.

Lab:

This course is the lab for BIO 246 .

Credit Hours: 1 Prerequisite Courses:

Prerequisite or corequisite: BIO 246 .

Course Repeatability: Course may not be repeated.

BIOL 313 - Marine Phycology Laboratory

Course Description:

Introduction to phycological sampling techniques and data analysis. Experience in field sampling and laboratory approaches to illustrate morphology, life histories, and ecology of benthic marine algae with emphasis on special topics such as morphogenesis, ecotypic variation and speciation, phytogeography, or seasonal periodicity of growth and reproduction. This course is the lab for BIO 313.

Corequisite Courses:

BIO 313

Prerequisite Courses:

BIO 362 or BIO 366

Course Repeatability: Course may not be repeated.

BIOL 318 - Invertebrate Zoology Laboratory

Course Description:

Introduction to invertebrate sampling techniques and data analysis. Experience in species identification with emphasis on the structure, function, phylogeny, ecology, and life histories of marine taxa. This course is the lab for BIO 318.

Corequisite Courses:

BIO 318

Prerequisite Courses:

BIO 201 and BIO 202.

Course Repeatability: Course may not be repeated.

BIOL 319 - Antibiotic Discovery

Course Description:

A hands-on introduction to biological laboratory research methods. Students learn lab safety, techniques in microbiology, and develop scientific literacy for the purpose of creating and implementing a research plan to isolate and identify novel antibiotic-producing bacteria from local environmental samples.

Credit Hours: 1 Prerequisite Courses:

BIO 201 and BIO 202

Course Repeatability: Course may not be repeated.

BIOL 325 - Molecular Biology of Cell Laboratory

Course Description:

Experiments demonstrating basic phenomena underlying cellular function.

Lab:

This course is the lab for BIO 325 .

Credit Hours: 1 Prerequisite Courses:

Prerequisite or corequisite: BIO 325 .
University Studies: ["Building Competencies/Writing Intensive", "Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

BIOL 330 - Microbiology Laboratory

Course Description:
Introduction to basic microbiological laboratory techniques. Experience in laboratory approaches to introduce basic laboratory skills in microbial cultures, staining, biochemical assays, and microorganism identification. This course is the lab for BIO 330.
Lab:
This course is the lab for BIO 330 .
Credit Hours: 2 Prerequisite or Corequisite Courses:
BIO 330
University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

BIOL 335 - Genetics Laboratory

Course Description:
This course examines major genetic concepts and relationships between those concepts. Students will design, execute, and interpret experiments relating DNA to phenotype and investigate genetic interactions in metabolic pathways. Students will analyze and present experimental results, incorporating relevant literature and information from large-scale public genome repositories.
Lab:
This course is the lab for BIO 335 .
Credit Hours: 1 Prerequisite Courses:
Prerequisite or corequisite: BIO 335 .
University Studies: ["Building Competencies/Writing Intensive", "Building Competencies/Information Literacy", "Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated.

BIOL 345 - Animal Physiology Laboratory

Course Description:
Introduction to the equipment and techniques for computer-based acquisition of physiological data. Experience in data analysis and presentation, and in computer simulations of physiological experiments is also included.
Lab:
This course is the lab for BIO 345 .
Credit Hours: 1 Prerequisite Courses:

Prerequisite or corequisite: BIO 345 .
University Studies: ["Building Competencies/Writing Intensive", "Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

BIOL 362 - Marine Ecology Laboratory

Course Description:
Introduction to basic ecological principles in the marine environment as they pertain to individual organisms, populations, communities, and ecosystems. Laboratory activities are designed to give students experiential knowledge and acquaint them with the regional marine fauna and flora. This course is the lab for BIO 362 .
Credit Hours: 1 Prerequisite or Corequisite Courses:
BIO 362
Prerequisite Courses:
BIO 201 and BIO 202
University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

BIOL 363 - Coral Reef Ecology Laboratory

Course Description:
Methods for studying coral reef taxa, community structure, coral physiology, and ecological processes will be explored. Independent project required.
Credit Hours: 1 Prerequisite or Corequisite Courses:
BIO 363
Prerequisite Courses:
BIO 201 , BIO 202
Course Repeatability: Course may not be repeated.

BIOL 366 - Ecology Laboratory

Course Description:
Introduction to ecological sampling techniques and data analysis. Experience in field sampling, laboratory and computer modeling of sampling approaches, and scientific writing is also included. This course is the lab for BIO 366.
Lab:
This course is the lab for BIO 366 .
Credit Hours: 1 Prerequisite or Corequisite Courses:
BIO 366
University Studies: ["Building Competencies/Writing Intensive", "Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated.

BIOL 371 - Phytoplankton Laboratory

Course Description:

Introduction to field and laboratory methods used to identify, isolate and study phytoplankton physiology, ecology, and biotechnological applications. Exploration of microalgae curation and culturing using experimental design approaches and state-of-the-art laboratory and field instrumentation to collect and analyze data.
Credit Hours: 1 Prerequisite or Corequisite Courses:

BIO 371

Prerequisite Courses:

BIO 201 and BIO 202

Course Repeatability: Course may not be repeated.

BIOL 412 - Marine Botany Laboratory

Course Description:

Introduction to marine botany sampling techniques and data analysis. Experience in field sampling and laboratory approaches to illustrate how to identify marine plant communities and quantify their responses to environmental factors. This course is the lab for BIO 412.
Credit Hours: 1 Corequisite Courses:

BIO 412

Course Repeatability: Course may not be repeated.

BIOL 440 - Developmental Biology Laboratory

Course Description:

Investigations of invertebrate and vertebrate development using the methods of descriptive embryology, experimental manipulation and molecular genetics.
Lab:

This course is the lab for BIO 440 .
Credit Hours: 1 Prerequisite Courses:

Prerequisite or corequisite: BIO 440 .

Course Repeatability: Course may not be repeated.

BIOL 456 - Ornithology Laboratory

Course Description:

Introduction to avian anatomy and field identification of North Carolina birds with field trips to local areas. The class may include weekend camping trips or visits to field stations in North Carolina. This course is the lab for BIO 456.
Credit Hours: 1 Corequisite Courses:

BIO 456

Prerequisite Courses:

BIO 201, BIO 202, and (BIO 366 or BIO 362)

Course Repeatability: Course may not be repeated.

BIOL 457 - Ichthyology Laboratory

Course Description:

Demonstration of basic anatomy, taxonomy, and natural history of local species in laboratory and field environments. This course is the lab for BIO 457.

Lab:

This course is the lab for BIO 457 .

Credit Hours: 1 Prerequisite or Corequisite Courses:

BIO 457

Course Repeatability: Course may not be repeated.

BIOL 458 - Fisheries Biology Laboratory

Course Description:

Laboratory exercises designed to compliment material presented in BIO 458 lecture. Exercise includes processing of age and growth information, modeling of growth and mortality, field sampling, abundance estimation, and single-species stock assessments. This course is the lab for BIO 458.

Lab:

This course is the lab for BIO 458 .

Credit Hours: 1 Prerequisite or Corequisite Courses:

BIO 458

Course Repeatability: Course may not be repeated.

BIOL 460 - Limnology Laboratory

Course Description:

Field and laboratory investigations of limnological problems with an emphasis on water quality.

Lab:

This course is the lab for BIO 460 .

Credit Hours: 1 Corequisite Courses:

BIO 460

Prerequisite Courses:

BIO 201 and BIO 202 , and CHM 102 and CHML 102 .

Additional Restrictions/Requirements:

Junior or senior standing.

Course Repeatability: Course may not be repeated.

BIOL 465 - Biochemistry Laboratory

Course Description:

Experiments demonstrating basic phenomena and techniques of biochemistry.

Lab:

This course is the lab for BIO 465 .

Credit Hours: 1 Prerequisite Courses:

Prerequisite or corequisite: BIO 465 .

Course Repeatability: Course may not be repeated.

BIOL 483 - Biology Of Crustaceans Laboratory

Course Description:

Demonstration of basic internal and external anatomy, taxonomy, and natural history. Modern methods for measurement of molt cycle and reproduction. Field trips to local environments.

Lab:

This course is the lab for BIO 483 .

Credit Hours: 1 Corequisite Courses:

BIO 483

Course Repeatability: Course may not be repeated.

BIOL 490 - Practicum In Marine Biology Laboratory

Course Description:

Hands on exploration of advanced topics in marine biology with an emphasis on research experiences in the classroom, laboratory, or field. This course is the lab for BIO 490.

Credit Hours: 2 Corequisite Courses:

BIO 490

Prerequisite Courses:

BIO 362 or BIO 366

Course Repeatability: Course may not be repeated. Major Restriction: Marine Biology Minor Restriction: Marine Biology

BIOL 495 - Applied Learning Seminar

Course Description:

Students conduct hands-on project in field or laboratory setting coupled with individual reports and group discussions of the results of their research. May only be taken once for credit in the major.

Lab:

This course is the lab for BIO 495 .

Credit Hours: 1 Additional Restrictions/Requirements:

Senior standing.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated.

BUS 105 - Introduction to Business

Course Description:

A survey course designed to introduce students to the functional areas and disciplines of business. Guest lecturers will be drawn from the Cameron Executive Network, regional business community, and other sources. Topics to be included are ethics, management, marketing, finance, economics, accounting, information systems, human resources, international business, production and operations management, and entrepreneurship. Writing and building a resume and preparing for the job interview are also covered in this course.
Credit Hours: 1 Course Repeatability: Course may not be repeated.

BUS 191 - Introductory Research

Course Description: Business-related research under faculty supervision beyond what is offered in existing courses. Credit Hours: 1 Additional Restrictions/Requirements: Student must be in the Honors College and have instructor approval. Course Repeatability: Course may not be repeated. Major Restriction: Freshman-Honors

BUS 204 - The Business of Film

Course Description:

Introduction to business aspects of the motion picture industry. The course examines the life cycle of a film product, from the development stages through distribution and marketing stages. Emphasis is on business strategies and decisions regarding creative development, financing, legal issues, budgeting, scheduling, marketing, exhibition, and other business elements of filmmaking.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

BUS 206 - Career Essentials

Course Description:

Introduction to a career in business. Topics included mentoring, leadership, communication, preparation for entering a career, and the business environment.
Credit Hours: 2 Corequisite Courses:

ENG 206

Additional Restrictions/Requirements:

Sophomore standing or higher. Restricted to business or pre-business majors.
University Studies: ["Building Competencies/Writing Intensive", "Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated.

BUS 491 - Directed Individual Study

Course Description:

Please enter a description.
Credit Hours: 1 To 6 Additional Restrictions/Requirements:

Junior or senior standing, consent of the department chairperson, and admission to

Cameron School of Business.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

BUS 495 - Seminar in Business

Course Description:

This course may be repeated under a different subtitle.
Credit Hours: 1 To 3 Additional Restrictions/Requirements:

Junior or senior standing, consent of the department chairperson, and admission to Cameron School of Business.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

BUS 498 - Internship in Business

Course Description:

The chairperson may consider grade point average and individual course grades as they pertain to the internship being considered.
Credit Hours: 1 To 6 Additional Restrictions/Requirements:

Junior or senior standing, consent of department chairperson, and admission to Cameron School of Business.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

BUS 499 - Honors Work in Business

Course Description:

Independent work for honors students.
Credit Hours: 2 To 3 Additional Restrictions/Requirements:

Senior standing and admission to Cameron School of Business.
University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

BAN 280 - Statistical Analysis for Business and Economics

Course Description:

Classification and presentation of business and economics data, probability and expected value, statistical inference, simple linear regression and correlation analysis.
Credit Hours: 3 Prerequisite Courses:

MAT 111 or MAT 150 .
University Studies: ["Foundations/Mathematics and Statistics"] Course Repeatability: Course may not be repeated.

BAN 295 - Special Topics in Business Analytics

Course Description:

Seminar in selected topics in Business Analytics. This course does not fulfil requirements towards any major or concentration in the Cameron School of Business.

Credit Hours: 1 To 3 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

BAN 304 - Analytics Essentials

Course Description:

An analytics professional/practitioner is expected to be well-versed in modern analytics tools and techniques. In this course, students will gain competence in and exposure to relevant analytics software tools. The course presents software tools in the context of real-world datasets and problems.

Credit Hours: 3 Prerequisite Courses:

MAT 111 or MAT 150

Course Repeatability: Course may not be repeated.

BAN 305 - Introduction to Business Analytics

Course Description:

Application of statistical methods to business problems; topics include chi-square analysis, the F distribution, one-way and two-way analysis of variance, simple and multiple regression analysis, and introduction to forecasting with regression models; use of computer programs in solving statistical problems.

Credit Hours: 3 Prerequisite Courses:

BAN 280 .

Course Repeatability: Course may not be repeated.

BAN 306 - Communicating Data with Storytelling

Course Description:

This course provides an introduction as well as hands-on experience in descriptive analytics and data visualization. It introduces students to principles for creating meaningful analysis and displays of quantitative and qualitative data to facilitate managerial decision-making.

Credit Hours: 3 Prerequisite Courses:

MATH 111 or MATH 150 or MATH 160

Additional Restrictions/Requirements:

Admission to Cameron School of Business or declared BS Information Technology major

University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated. Major Restriction: BS Business Administration or BS Information Technology

BAN 309 - Health Care Analytics

Course Description:

This course develops an understanding of analytics in the healthcare field. Emphasis is given to how technology and analytics impact healthcare. Analytical tools are used to solve real healthcare challenges, improve processes, and help make important healthcare business decisions.

Credit Hours: 3 Prerequisite Courses:

BAN 280 .

Course Repeatability: Course may not be repeated.

BAN 310 - Sports Analytics

Course Description:

This course introduces fundamental analytics concepts in the context of sports. A variety of sports, professional and amateur, are covered with an emphasis on using analytics techniques and tools to add value and fuel competitive advantage. Software tools will be used extensively to illustrate concepts.

Credit Hours: 3 Prerequisite Courses:

BAN 280 or STT 215

Additional Restrictions/Requirements:

Admission to Cameron School of Business or declared BS Information Technology major

Course Repeatability: Course may not be repeated. Major Restriction: BS Business Administration or BS Information Technology

BAN 400 - Big Data Analytics

Course Description:

Acquisition, management, and analysis of large sets of data that are often encountered in a business environment. Focuses on challenges specific to analysis of data at scale. Real-world applications and case studies are examined.

Credit Hours: 3 Prerequisite or Corequisite Courses:

BAN 304

Additional Restrictions/Requirements:

Admission to Cameron School of Business or declared BS Information Technology major

Course Repeatability: Course may not be repeated. Major Restriction: BS Business Administration or BS Information Technology

BAN 402 - Predictive Analytics

Course Description:

Leveraging data to add value to business is of critical importance in our modern society. This

course will focus on the analysis of data in order to create predictions and will examine a variety of predictive techniques to extract information from data. These topics will include: multiple linear regression, logistic regression, classification, clustering, text mining, neural networks, and others. This course will also discuss the challenges presented by large datasets and describe techniques such as data cleaning and visualization.
Credit Hours: 3 Prerequisite or Corequisite Courses:

BAN 305 .

Prerequisite Courses:

BAN 304 .

Additional Restrictions/Requirements:

Admission to Cameron School of Business.

Course Repeatability: Course may not be repeated. Major Restriction: Information Technology (IT) Minor Restriction: Business Analytics (BAN)

BAN 403 - Optimizing Data-driven Decisions

Course Description:
Prescriptive Analytics deals with developing analytical models to solve business problems. Prescriptive models are used when a business needs to optimize operational decisions. The solution from these models provide the best solution (profit maximization, cost minimization, minimization of resource utilization, etc.) to the operational decision problems. Students will use MS Excel and AMPL as software tools for optimization in this course.
Credit Hours: 3 Prerequisite Courses:

BAN 304.

Additional Restrictions/Requirements:

Admission to Cameron School of Business.

Course Repeatability: Course may not be repeated.

BAN 416 - Transportation Analytics

Course Description:

This course develops skills for solving complex business problems with the aid of data analytical techniques in the transportation field. Students will develop business analysis frameworks and apply Excel-based optimization tools to assess transportation solutions.

Credit Hours: 3 Prerequisite Courses:

Prerequisite: SCM 370 and admission to the Cameron School of Business.

Course Repeatability: Course may not be repeated.

BAN 417 - Supply Chain Analytics

Course Description:

This course introduces students to quantitative models the firms use to manage supply and demand. Managing supply and demand involves managing customer

preferences, classify suppliers and customers, optimize product pricing, and promotion strategies. The applications of the above models in the hospitality industry, broadcasting, show business are discussed.

Credit Hours: 3 Prerequisite Courses:

SCM 370

Additional Restrictions/Requirements:

Admission to Cameron School of Business or declared BS Information Technology major

Course Repeatability: Course may not be repeated. Major Restriction: BS Business Administration or BS Information Technology

BAN 480 - Business and Economic Forecasting

Course Description:

Development of an approach to forecasting through the study of time-series techniques including moving averages, exponential smoothing, regression, and Box-Jenkins.

Credit Hours: 3 Prerequisite Courses:

BAN 280

Additional Restrictions/Requirements:

Prerequisite course or consent of department chair and admission to Cameron School of Business.

Course Repeatability: Course may not be repeated.

BAN 485 - Introduction to Business Simulation

Course Description:

Introduction to simulation models as tools in the analysis of business problems. Discrete event simulation models for production and service systems are introduced through the use of a computer simulation language.

Credit Hours: 3 Prerequisite Courses:

SCM 370

Additional Restrictions/Requirements:

Prerequisite course and admission to Cameron School of Business.

Course Repeatability: Course may not be repeated.

BAN 491 - Directed Individual Study

Course Description:

Please enter a description.

Credit Hours: 1 To 6 Additional Restrictions/Requirements:

Junior or senior standing and consent of the department chairperson and admission

to Cameron School of Business.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 24

BAN 495 - Seminar in Business Analytics

Course Description:

This course may be repeated under a different subtitle.
Credit Hours: 1 To 3 Additional Restrictions/Requirements:

Junior or senior standing and consent of the department chairperson and admission to Cameron School of Business.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

BAN 498 - Internship in Business Analytics

Course Description:

Involves the application of business analytic skills developed in the academic environment to problems in a real-world operating environment. The participant will receive practical training and experience under the guidance of the staff of a local business or government organization and a faculty supervisor. Available internships are filled on a competitive basis.
Credit Hours: 1 To 6 Additional Restrictions/Requirements:

Consent of faculty supervisor and admission to Cameron School of Business.
University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

BAN 499 - Honors Work in Business Analytics

Course Description:

Independent work for honors students.
Credit Hours: 2 To 3 Additional Restrictions/Requirements:

Senior standing and admission to Cameron School of Business.
University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

BLA 261 - Law and Society

Course Description:

This course introduces students to legal concepts and provides an understanding of the role the law plays in an individual's personal and professional life. Students will also be exposed to legal, social, and ethical issues which impact societal norms..
Credit Hours: 3 Course Repeatability: Course may not be repeated.

BLA 304 - Legal Issues in Film and Entertainment Law

Course Description:

A study of the legal issues impacting the film and entertainment industry including the legal aspects of business organization, contracts, torts, agency, employment law, environmental regulation, and intellectual property rights.

Credit Hours: 3 Additional Restrictions/Requirements:

Junior or senior standing.

Crosslisting:

FST 304

Course Repeatability: Course may not be repeated.

BLA 361 - Legal Environment of Business

Course Description:

Study of the organization and role of business enterprises in society and their relationships in government. Examines how the legal environment is influenced by changing social and ethical values. Topics include agency, antitrust, forms of business organization, environmental regulation, equal opportunity, labor law, product liability, and property rights.

Credit Hours: 3 Additional Restrictions/Requirements:

Junior or senior standing, or admission to the Cameron School of Business, or students in the Accountancy and Business Law minor, or consent of department chair.

Course Repeatability: Course may not be repeated.

BLA 362 - Environmental Law

Course Description:

An examination of the purposes, methodology, and impacts of the environmental regulatory process, ranging from the traditional common law remedies to novel approaches such as the pollution rights markets. Students will gain a fundamental understanding of the context of environmental law.

Credit Hours: 3 Additional Restrictions/Requirements:

Junior or senior standing.

Course Repeatability: Course may not be repeated.

BLA 363 - Cyber Law

Course Description:

A study of how the legal system impacts e-commerce. Examines how Trademark Law, Copyright Law and Patent Law impact e-commerce activities. Other topics include on-line contracting issues, taxation of e-commerce transactions on a statewide, national, and international basis, privacy concerns, obscenity,

defamation, information security, computer criminal activities, as well as global e-commerce issues.

Credit Hours: 3 Prerequisite Courses:

BLA 361

Additional Restrictions/Requirements:

Prerequisite course and admission to Cameron School of Business.

Course Repeatability: Course may not be repeated.

BLA 371 - International Business Law

Course Description:

An examination of the legal, political, social and cultural aspects of doing business abroad. The course will cover major legal systems of the world, the political and governmental structures of various nations, international organizations, the law of international business transactions, and the settlement of transnational legal disputes. The course also will highlight cultural challenges and opportunities that an American may encounter in international business.

Credit Hours: 3 Additional Restrictions/Requirements:

Junior or senior standing or consent of Department Chair.

Course Repeatability: Course may not be repeated.

BLA 461 - Commercial Law

Course Description:

Study of the commercial legal environment in which business enterprises operate. Examines the law of contracts, sales and warranties, security interests, commercial paper, and debtor and creditor rights.

Credit Hours: 3 Additional Restrictions/Requirements:

Junior or senior standing, or admission to the Cameron School of Business, or students in the Accountancy and Business Law minor, or consent of department chair.

Course Repeatability: Course may not be repeated.

BLA 462 - Legal Issues in Health Care

Course Description:

Study of the legal and ethical issues faced by Health Care Professionals. Topics include licensure, tort liability, privacy and reporting requirements, employment law and ethical decision making.

Credit Hours: 3 Additional Restrictions/Requirements:

Junior or senior standing and admission to Cameron School of Business, or consent of department chair.

Course Repeatability: Course may not be repeated.

BLA 491 - Directed Individual Study

Course Description:

Please enter a description.

Credit Hours: 1 To 6 Additional Restrictions/Requirements:

Junior or senior standing, consent of the department chairperson and admission to Cameron School of Business.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

BLA 495 - Seminar in Business Law

Course Description:

This course may be repeated under a different subtitle.

Credit Hours: 1 To 3 Additional Restrictions/Requirements:

Junior or senior standing, consent of the department chairperson and admission to Cameron School of Business.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

BLA 498 - Internship in Business Law

Course Description:

The internship activity must involve an aspect of the legal system that is approved by the Department chair.

Credit Hours: 1 To 6 Prerequisite Courses: BLA 361 Additional Restrictions/Requirements:

Junior or senior standing, prerequisite course, 3.0 overall GPA, and consent of the department chairperson.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

BLA 499 - Honors Work in Business Law

Course Description:

Independent work for honors students.

Credit Hours: 2 To 3 Additional Restrictions/Requirements:

Senior standing and admission to Cameron School of Business.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

CHM 101 - General Chemistry I

Course Description:

Overview of the fundamental laws, principles and theories of chemistry. A 'C' or

better in CHM 101 is required to take certain advanced courses in chemistry.
Credit Hours: 3 Corequisite Courses:

CHML 101 .

University Studies: ["Approaches and Perspectives/Scientific Approaches to the Natural World"]
Course Repeatability: Course may not be repeated.

CHM 102 - General Chemistry II

Course Description:

Study of the fundamental laws, principles and theories of chemistry. Introduction to inorganic chemistry. Interpretation of experimental results. A 'C' or better in CHM 102 is required to take certain advanced courses in chemistry.
Credit Hours: 3 Corequisite Courses:

CHML 102 .

Prerequisite Courses:

CHM 101 and CHML 101 .

Course Repeatability: Course may not be repeated.

CHM 105 - Basic Concepts of Chemistry

Course Description:

Terminal, relatively non-mathematical course for the non-science major. Topics include atomic and molecular structure as a basis for a general understanding of chemical reactions, reaction dynamics, environmental problems, energy resources, food additives, and nuclear power. May not be taken for credit after earning credit for CHM 102 .
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Scientific Approaches to the Natural World"] Course Repeatability: Course may not be repeated.

CHM 211 - Organic Chemistry I

Course Description:

Introduction to the chemistry of carbon compounds, including structure, reactions, mechanisms, and the concepts of organic synthesis. It is strongly recommended that students take the lab (CHML 211) concurrently with the lecture.
Lab:

The lab for this course is CHML 211 .

Credit Hours: 3 Prerequisite Courses:

CHM 102

Course Repeatability: Course may not be repeated.

CHM 212 - Organic Chemistry II

Course Description:

Reactions and reaction mechanisms of organic compounds. A 'C' or better in CHM 212 is required to take certain advanced courses in chemistry.

Lab:

The lab for this course is CHML 212 . It is strongly recommended that students take the lab (CHML 212) concurrently with the lecture.

Credit Hours: 3 Prerequisite Courses:

CHM 211 with a minimum grade of C

Course Repeatability: Course may not be repeated.

CHM 220 - Physical and Quantitative Methods in Chemistry

Course Description:

Physical and quantitative methods in chemistry is an introductory course that surveys important physical and quantitative tools used in chemistry. Quantitative physical and mathematical methods are absolutely necessary to explore important concepts in in chemistry. This course aims to teach chemistry majors how to apply the available physical and quantitative tools to chemistry using examples and problems from various areas in chemistry, such as physical, biological and analytical chemistry. The course starts from a review of basic calculus and then covers more advanced topics.

Credit Hours: 3 Prerequisite Courses:

(MAT 152 or MAT 162) and (PHY 101 or PHY 201) and (CHM 102 and CHML 102).

Course Repeatability: Course may not be repeated.

CHM 235 - Quantitative Analysis

Course Description:

Data analysis and statistical methods; chemical equilibrium and analytical applications; volumetric analysis and spectrophotometry; acid-base chemistry; activities and other topics as time permits. Normally taken concurrently with CHML 235 .

Lab:

The lab for this course is CHML 235 .

Credit Hours: 3 Prerequisite Courses:

CHM 101 and CHML 101 , and CHM 102 and CHML 102 with a minimum grade of C.

Course Repeatability: Course may not be repeated.

CHM 291 - Introductory Research

Course Description:

Laboratory and computational research under faculty supervision beyond what is offered in existing courses.

Credit Hours: 1 To 3 Additional Restrictions/Requirements:

Freshman, sophomore, junior, or senior standing and consent of instructor and department chair.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

CHM 292 - Special Topics: Good Manufacturing Practice

Course Description:

Good Manufacturing Practices (GMP) of medicinal products for human and veterinary use. Provides the history of drug regulation and GMP criteria and how the regulations are implemented in the current pharmaceutical industry.

Credit Hours: 1 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 9

CHM 312 - Advanced Techniques Organic Chemistry

Course Description:

Theory and practice of chromatographic methods of separation and spectroscopic methods of identification.

Credit Hours: 2 Prerequisite Courses:

CHM 212 with a minimum grade of C.

Course Repeatability: Course may not be repeated.

CHM 320 - Physical Chemistry I: Quantum Chemistry and Spectroscopy

Course Description:

Overview of topics in physical chemistry stressing fundamental concepts in quantum chemistry, statistical mechanics and spectroscopy.

Lab:

The lab for this course is CHML 320 .

Credit Hours: 3 Prerequisite or Corequisite Courses:

CHM 220 .

Prerequisite Courses:

CHM 102 and CHML 102 and (PHY 101 or PHY 201) and (MAT 151 and MAT 152) or (MAT 161 and MAT 162)

Course Repeatability: Course may not be repeated.

CHM 321 - Physical Chemistry II: Thermodynamics and Kinetics

Course Description:

An overview of topics in physical chemistry stressing fundamental concepts in thermodynamics and kinetics.

Lab:

The lab for this course is CHML 321 .

Credit Hours: 3 Prerequisite Courses:

CHM 320 .

Course Repeatability: Course may not be repeated.

CHM 325 - Biophysical Chemistry

Course Description:

Introduction to the fundamentals of thermodynamics and kinetics in the context of biochemical systems. A brief review of the structures of proteins, nucleic acids and membranes followed by a treatment of the thermodynamics and kinetics of binding reactions and phase transitions involving these macromolecules and assemblies. CHML 325 is the laboratory course for CHM 325.

Credit Hours: 3 Prerequisite Courses:

BIO 201 , CHM 211 , CHM 220 .

Course Repeatability: Course may not be repeated.

CHM 350 - Introduction to Chemical Research

Course Description:

Introduction to chemical investigation, including use of the chemical literature, experimental design, proposal preparation, and communication of findings.

Credit Hours: 1 Prerequisite Courses:

CHM 211 or CHM 235

University Studies: ["Building Competencies/Writing Intensive", "Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated. Major Restriction: Biochemistry B.S., Chemistry B.S., or Chemistry B.A.

CHM 365 - Biochemistry I

Course Description:

The structures of macromolecules, amino acids and vitamins, and the chemical principles governing their actions. Solution properties of macromolecules, enzyme kinetics and mechanisms, and metabolic regulation, emphasizing organic/physical chemistry. Basics of nucleic acids and biological transfer information.

Credit Hours: 3 Prerequisite Courses:

BIO 201 and CHM 212 .

University Studies: ["Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated.

CHM 377 - Environmental Chemistry

Course Description:

Introduction to the chemistry of air, soil, and natural waters. Processes of environmental degradation, cleanup, and pollution prevention. Selected current topics.

Lab:

The lab for this course is CHML 377 .

Credit Hours: 3 Prerequisite Courses:

CHM 102 and CHML 102 .

Course Repeatability: Course may not be repeated.

CHM 380 - Forensic Chemistry

Course Description:

Theory and applications of trace organics and metals analyses, fiber and polymer analyses, toxicology, serology, drug and DNA chemistry, fingerprinting techniques, and chain of custody procedures. The optional 3-hour laboratory (CHML 380) may be registered for separately.

Credit Hours: 3 Prerequisite Courses:

CHM 211 and CHML 211

Course Repeatability: Course may not be repeated.

CHM 415 - Physical Organic Chemistry

Course Description:

Theoretical and physical organic chemistry, including chemical bonding, stereochemistry and conformational analysis with applications to selected reaction mechanisms.

Credit Hours: 3 Prerequisite Courses:

CHM 212 .

Course Repeatability: Course may not be repeated.

CHM 417 - Medicinal Chemistry

Course Description:

Study of the principles involved in, and the multidisciplinary nature of, modern drug design. Focus on chemical and biological principles that are fundamental to medicinal chemistry and on understanding how and why certain chemicals interact at biological targets.

Credit Hours: 3 Prerequisite or Corequisite Courses:

CHM 365 or BIO 465

Prerequisite Courses:

CHM 212

Crosslisting:

CHM 517

Course Repeatability: Course may not be repeated.

CHM 425 - Computational Chemistry

Course Description:

Theory and hands-on training of basic computational chemistry; including molecular mechanics, semi-empirical and ab initio molecular orbit theory, density functional theory, and molecular dynamics.

Credit Hours: 3 Prerequisite Courses:

CHM 320 .

Course Repeatability: Course may not be repeated.

CHM 435 - Instrumental Analysis

Course Description:

Study of modern analytical instrumentation and techniques. Emphasis on spectroscopic, separation, electrochemical, and materials analysis techniques.

Credit Hours: 3 Corequisite Courses:

CHML 435 .

Prerequisite Courses:

CHM 235 and CHML 235 and CHM 312 with grades of "C-" or better, and PHY 102 or PHY 202 .

Course Repeatability: Course may not be repeated.

CHM 445 - Inorganic Chemistry

Course Description:

Study of periodic relationships; crystal lattice theory; transition metals and ions; crystal field theory; organometallic structures and reactions; and reaction mechanisms.

Lab:

The lab for this course is CHML 445 .

Credit Hours: 3 Prerequisite Courses:

CHM 320 with a minimum grade of C and CHM 350 with a minimum grade of C

Course Repeatability: Course may not be repeated.

CHM 461 - Biochemistry of Immunity

Course Description:

Introduction to the reactions underlying the immune response, emphasizing biochemical principles. The principles underlying the innate and adaptive immune systems, and the structure and function of the molecules involved. Exploration of the functional immune system as a coordinated collective of individual components.

Credit Hours: 3 Prerequisite Courses:

CHM 365 .

Course Repeatability: Course may not be repeated.

CHM 462 - Biochemistry of Cell Signaling

Course Description:

Introduction to the general principles of cell signaling. The molecules responsible for signaling processes will be discussed, including synthetic or natural product molecules which affect cell signaling. Specific examples may be discussed including neurotransmission, metabolic regulation, and targeting of cell signaling proteins for therapeutic benefit.

Credit Hours: 3 Prerequisite Courses:

CHM 365 .

Course Repeatability: Course may not be repeated.

CHM 463 - Peptide Synthesis

Course Description:

Exploration of peptide synthesis techniques, covering both solution-phase and solid-phase (on-resin) methods. Includes discussions on amino acid coupling strategies, protecting group approaches, activation processes, peptide synthesizers, and ligation techniques. Prepares students for practical applications in biochemical research, drug design, and protein chemistry by examining current methodologies and challenges in peptide assembly.

Credit Hours: 3 Prerequisite Courses:

CHM 365

Course Repeatability: Course may not be repeated.

CHM 466 - Biochemistry II

Course Description:

Examination of bioenergetics, structure and function of biomembranes, biosynthesis, degradation of fatty acids, amino acids, and nucleotides, integration of metabolism, signal transduction, and the action of hormones. Consideration of the structure and enzymology of DNA and RNA, genetic information, protein biosynthesis, and gene regulation.

Credit Hours: 3 Prerequisite Courses:

CHM 365 or BIO 465 .

Course Repeatability: Course may not be repeated.

CHM 467 - Bioinorganic Chemistry

Course Description:

Exploration of the roles that metal ions play in biochemical systems, bridging the gap between inorganic chemistry and biochemistry and providing a comprehensive understanding of how metals contribute to the structure and function of

biomolecules. Examines the principles of coordination chemistry, the function of metalloenzymes, and the application of various spectroscopic techniques to study metal-containing biomolecules.
Credit Hours: 3 Prerequisite Courses:
CHM 220 and CHM 365
Crosslisting:
CHM 567
Course Repeatability: Course may not be repeated.

CHM 468 - Structure and Function of Nucleic Acids

Course Description:
Study of the structure of DNA and RNA, the denaturation and renaturation of DNA and RNA, DNA techniques including cloning, the central dogma (including DNA replication, transcription and translation), and DNA-Protein interactions.

Credit Hours: 3 Prerequisite Courses:
CHM 365
Course Repeatability: Course may not be repeated.

CHM 469 - Enzymology

Course Description:
Investigation of enzyme mechanisms and their regulation. Exploration of the theoretical and practical aspects of studying enzymes and their biological implications. A particular focus will be placed on binding, steady-state kinetics, transient kinetics, allosteric regulation, and inhibition.
Credit Hours: 3 Prerequisite Courses:
CHM 365 , CHM 220 .
Course Repeatability: Course may not be repeated.

CHM 475 - Chemical Oceanography

Course Description:
Introduction to chemical oceanography, including discussion of sources, distribution, forms of occurrence of chemical species in seawater; chemistry of salty solutions; air-sea interactions; marine carbonate system; organic compounds and trace elements in seawater; estuarine chemistry.
Credit Hours: 3 Prerequisite Courses:
Prerequisite: CHM 102 and CHML 102 . Recommended prerequisite or corequisite: CHM 235 and OCN 150 .
Course Repeatability: Course may not be repeated.

CHM 480 - Chemistry Education Research and Practice

Course Description:

Selected topics from chemistry education research. Focus on current research about learning theories, epistemology, representations of chemical structure, technology use in the chemistry classroom, and laboratories.

Credit Hours: 3 Prerequisite Courses:

CHM 212

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Crosslisting:

CHM 580

Course Repeatability: Course may not be repeated.

CHM 485 - Industrial and Polymer Chemistry

Course Description:

An overview of major industrial processes, the synthesis and significance of major industrial chemicals. Polymer chemistry to include synthesis, properties, and applications is covered. Some specialty topics such as pharmaceutical chemistry and agricultural chemistry are also briefly covered.

Credit Hours: 3 Prerequisite Courses:

CHM 212 with a minimum grade of C

Course Repeatability: Course may not be repeated.

CHM 486 - Fundamentals of Heterocycles with Emphasis on Pharmaceuticals

Course Description:

Well over half of all known organic compounds and most pharmaceuticals are heterocyles (containing an atom other than C in the ring), yet their chemistry is hardly touched on in conventional courses. Topics include the nomenclature, properties, synthesis, and pharmaceutical applications of heterocycles.

Credit Hours: 3 Prerequisite Courses:

CHM 212 with a minimum grade of C

Course Repeatability: Course may not be repeated.

CHM 490 - Special Topics In Chemistry

Course Description:

Selected topics in chemistry that are beyond the scope of regular course offerings.

Credit Hours: 1 To 3 Additional Restrictions/Requirements:

Junior or senior standing and consent of instructor.

Crosslisting:

CHM 592

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Repeat Limit: 1

CHM 491 - Directed Individual Study

Course Description:

Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the

Depending on their interests and abilities, UNCW students may choose from several kinds of special courses and programs to individualize and otherwise enrich their studies.

- This course, designated as 491 in each department, involves investigation beyond what is offered in existing courses. To enroll in a Directed Individual Study, students must be a junior or senior. Additionally, students must have an overall grade point average of at least 2.00 and the approval of (1) the faculty member who will direct the study, (2) the departmental chairperson, and (3) the appropriate dean. Departmental criteria will include (1) the availability of the instructor (instructors may only supervise a limited number of independent studies each semester), (2) the appropriateness of and need for the proposed study in the student's program, (3) the availability of library and other research resources, and (4) the feasibility of completion of the proposed study in the allotted time. Students are limited to nine credit hours of Directed Individual Study toward graduation requirements.

- Several departments within the College of Humanities, Social Sciences, and the Arts and the professional schools offer field experience courses as part of their semester or summer programs. Participating students conduct individual or group research under faculty guidance at selected areas within and outside the continental United States. Apart from the greater Wilmington area, field experience courses have been conducted in such places as the Florida Keys, Barbados, the Bahamas, Portugal, and parts of Central and South America.

- Raymond L. Burt, *coordinator*

  The German Studies Consortium links participating UNC institutions to facilitate the sharing of teaching and learning resources to enhance German Studies across The University of North Carolina system. This consortium offers a broad array of

German Studies courses in the language, literature, and culture of the German-speaking countries taught by specialists in the field. The primary focus is on the sharing of upper-level German classes offered each semester on the North Carolina Information Superhighway. Participant universities include Appalachian State University, East Carolina University, North Carolina State University, the University of North Carolina at Asheville, the University of North Carolina at Charlotte, the University of North Carolina at Greensboro, University of North Carolina Wilmington, and Western Carolina University. For course details, visit the UNC Online Exchange.

- Regina Felix, *coordinator*
  The Portuguese Exhange links participating UNC institutions to facilitate the sharing of teaching and learning resources to enhance Portuguese language and Portugurese and Brazilian Studies across the University of North Carolina system. This exchange offers courses in the language, literature, and culture of the Portuguese-speaking countries taught by specialists in the field. Participant universities include Appalachian State University, North Carolina State University, the University of North Carolina Asheville, the University of North Carolina at Chapel Hill, the Unversity of North Carolina at Charlotte, the University of North Carolina Wilmington, and Winston Salem State University. For course details, visit the UNC Online Exchange.

- Dave Graber, *coordinator*
  The Russian Studies Consortium links participating UNC institutions to facilitate the sharing of teaching and learning resources to enhance Russian Studies across The University of North Carolina system. This consortium offers a broad array of Russian Studies courses in the language, literature, history, film, society, and culture in the Russian-speaking countries, which can be taught in the target language and/or in translation by specialists with credentials in Russian Studies. The primary goal focuses on the sharing of elementary, intermediate, and upper level Russian Studies classes offered each semester as well as summer session courses on the North Carolina Information Superhighway and/or fully online. Participant universities include Appalachian State University, East Carolina University, North Carolina State University, The University of North Carolina at

Charlotte, The University of North Carolina at Greensboro, and The University of North Carolina Wilmington. Courses are offered through the UNC Online Exchange.

- Raymond L. Burt, UNCW *coordinator*
  The UNC Language Assembly is a cooperative of the language departments of all 17 campuses of the UNC System, and serves the UNC System and the State of North Carolina by supporting the foreign language programs at the constituent institutions and by seeking to offer a wide diversity of foreign language choices to the students at all the UNC campuses. Students are not required to pay tuition at the other campus, since UNCW tuition applies to these courses as well. Courses are taught online or through videoconference technology. Students can directly enroll in language classes offered by campuses through the UNC Online Exchange.

- https://uncw.edu/myuncw/academics/graduate-school/forms

Graduate Courses Taken for Undergraduate Credit

Graduate courses at UNCW or other accredited institutions may be used to fulfill undergraduate requirements if approved by the course instructor, student's department chair, undergraduate dean, and the dean of the Graduate School. All other transfer credit policies apply. Permission forms may be obtained on the Graduate School forms page under the "Undergraduate Registration for Graduate Courses" section at https://uncw.edu/myuncw/academics/graduate-school/forms.

Graduate Course Taken as an Undergraduate to Later Apply to a Graduate Degree

Undergraduate students who wish to take graduate courses and later receive graduate credit for them must fill out a Docusign to obtain permission in advance from the course instructor, student's department chair and undergraduate dean, and the Graduate School for approval. Graduate courses taken under this provision may not be used to fulfill undergraduate degree requirements. Permission forms may be obtained on the Graduate School form page under the "Undergraduate Registration for Graduate Courses"
section https://uncw.edu/myuncw/academics/graduate-school/forms.

Credit for Approved Combined Degree Programs

Graduate courses used to fulfill an undergraduate degree requirement at UNCW may be applied to a graduate degree only when taken as part of an approved combined degree program. Courses applied toward an awarded degree may not be applied to a second degree except as described by specific degree programs.

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https://www.uncw.edu/global/
The Office of Global Partnerships and International Education is comprised of three units: Education Abroad, English Language Center, and the Office of International Students & Scholars.

Education Abroad

UNCW offers more than 800 education abroad opportunities in more than 50 countries. Options available include coursework taken abroad, international internships for academic credit, credit-bearing service-learning experiences, academic research, and virtual global learning opportunities. UNCW provides

education abroad opportunities to suit nearly every major and credit earned through international programs may be applied towards a UNCW degree. Financial aid may be used in conjunction with education abroad programs and scholarships are available. Students may select from short-term and summer programs, as well as semester, year-long and two-year dual degree options.

All applications for any credit-bearing program abroad must be made through the Office of Global Partnerships and International Education.

UNCW students who study abroad retain their active UNCW student status and will not have to re-enroll upon return.

Eligibility requirements include:

- 18 years of age at the time of participation
- Good disciplinary standing
- 2.5+ cumulative grade point average
- Sophomore+ status (select programs are open to first-year students)
- Any program-specific requirements
-

Several programs in the College of Humanities, Social Sciences, and the Arts, College of Science and Engineering, College of Education, College of Health and Human Services, and the Cameron School of Business offer students the opportunity to earn academic credit within a work environment external to the program. The purpose of the internship experience is to enhance, supplement, and integrate the learning that occurs in formal classroom settings. Permission of the dean and program offering the internship is required to enroll, and the program places limits on the number of credit hours earned applicable toward graduation. Internships designated by a 498 number will be graded on a Pass (P), Fail (F) basis. These credit hours earned will count towards the number of hours required to graduate, but the grade of Pass (P) will be excluded from the computation of the GPA. For further information on internships, refer to the courses numbered 498 in the course listings and then contact the departments offering them.

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The North Carolina Child Welfare Education Collaborative is a university-agency partnership that ensures a quality work force in child welfare settings. The educational goal of this program is to directly address the workforce need for social workers in child welfare settings. Administered by the Jordan Institute for Families, the collaborative includes North Carolina social work education programs, the NC

Division of Social Services, the NC Association of County Directors of Social Services and the NC Chapter of the National Association of Social Workers. Educating, training, and supporting current and future social workers in child welfare meets the goal of strengthening families and protecting children. The collaborative offers focused educational courses, training and field experience in child welfare agencies. Participating universities include Appalachian State University, University of North Carolina at Chapel Hill, East Carolina University, North Carolina State University, Joint Masters of Social Work Program at University of North Carolina at Greensboro and North Carolina Agricultural and Technical State University, and University of North Carolina Wilmington.

- The Reverse Transfer Program is a collaborative effort between North Carolina's Community Colleges and the University of North Carolina's 16 constituent institutions. Students who transfer to UNC Wilmington from one of the 58 North Carolina community colleges are given the opportunity to combine the credits earned at UNCW with credit already earned at the community college to determine if the associate degree requirements have been met. Students have the opportunity to opt-in to this program at the time of admission as a transfer student. There is no cost to participate. For more information, contact the Office of the Registrar. **Eligibility:** Students must have earned at least 16 college-level credit hours at one community college applicable towards their degree, to be eligible to participate. After earning a total of 60 combined credits, the student's UNCW records will be sent back to their previous community college for evaluation. The community college will contact students via their UNCW email, with further details, if the Associate degree is awarded.

- Several UNCW courses employ service-learning opportunities. Service learning is an innovative method of teaching and learning that combines thoughtfully organized service to the community with other means of instruction. Community service-projects are integrated into and enhance the academic curriculum of students, fitting naturally into the philosophy and pedagogy of a variety of disciplines and fostering civic responsibility. Both students and the community benefit from service learning. Service-learning courses have several strengths, not the least of which is that they are adaptable to the needs of the community while providing structured

time for the students to reflect on the service experience.

section in this catalogue.

Credit Hours: 1 To 3 Additional Restrictions/Requirements:

Junior or senior standing, overall GPA of at least 2.00, and consent of instructor, department chair and dean.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

CHM 495 - Senior Seminar

Course Description:

Discussion of selected topics.

Credit Hours: 1 Prerequisite Courses:

CHM 350

Additional Restrictions/Requirements:

25 semester hours of chemistry courses including prerequisite course.

University Studies: ["Explorations Beyond the Classroom", "Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

CHM 498 - Internship In Chemistry

Course Description:

Practical field experience and academic training related to the student's principal area of interest through a program of work and study within a business or agency. Student is supervised and evaluated jointly by a chemistry faculty member and an on-site supervisor. (Only three hours may count toward a major in chemistry.)

Credit Hours: 1 To 3 Prerequisite Courses:

CHM 212 and CHML 212 and CHM 235 and CHML 235

Additional Restrictions/Requirements:

Prerequisite course, junior or senior standing, consent of instructor; and GPA of at least 2.80 in chemistry.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:

Additional Course Fee Schedule

CHM 499 - Honors Work in Chemistry

Course Description:

Independent study for honors students.

Credit Hours: 2 To 3 Additional Restrictions/Requirements:

Junior or senior standing.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

CHML 101 - General Chemistry Laboratory I

Course Description:

Introduction to general chemistry laboratory techniques. This course is the lab companion course for general chemistry lecture CHM 101.

Credit Hours: 1 Corequisite Courses:

CHM 101 .

University Studies: ["Approaches and Perspectives/Scientific Approaches to the Natural World"]

Course Repeatability: Course may not be repeated.

CHML 102 - General Chemistry Laboratory II

Course Description:

Introduction to techniques and equipment used in the chemical laboratory. Interpretation of experimental results. This course is the lab for CHM 102 .

Credit Hours: 1 Corequisite Courses:

CHM 102 .

Prerequisite Courses:

CHML 101 , CHM 101 .

Course Repeatability: Course may not be repeated.

CHML 211 - Organic Chemistry Laboratory I

Course Description:

Introduction to reactions of organic compounds and basic laboratory techniques.

Lab:

This course is the lab for CHM 211 .

Credit Hours: 1 Prerequisite or Corequisite Courses:

CHM 211 .

Prerequisite Courses:

CHML 102

Course Repeatability: Course may not be repeated.

CHML 212 - Organic Chemistry Laboratory II

Course Description:

Reactions of organic compounds and the use of spectroscopic methods in the laboratory.

Lab:

This course is the lab for CHM 212 .

Credit Hours: 1 Prerequisite Courses:

Prerequisite:CHML 211 . Prerequisite or corequisite: CHM 212 .

Course Repeatability: Course may not be repeated.

CHML 235 - Quantitative Analysis Laboratory

Course Description:

Laboratory techniques in classical and modern chemical analysis, including volumetric analysis, chromatography, and spectrophotometry. Application of statistical methods to laboratory data. Chemical equilibrium.

Lab:

This course is the lab for CHM 235 .

Credit Hours: 1 Prerequisite or Corequisite Courses:

CHM 235 .

Course Repeatability: Course may not be repeated.

CHML 312 - Advanced Techniques of Organic Chemistry Laboratory

Course Description:

Advanced laboratory techniques for the synthesis, purification, and identification of organic compounds using chromatographic and spectroscopic methods including HPLC, GC-MS, UV-Vis, IR, and NMR.

Lab:

This course is the lab for CHM 312 .

Credit Hours: 2 Prerequisite or Corequisite Courses:

CHM 312 .

Prerequisite Courses:

CHML 212 .

Course Repeatability: Course may not be repeated.

CHML 320 - Physical Chemistry Laboratory I

Course Description:

Laboratory course that will reinforce the concepts of quantum chemistry learned in the accompanying lecture course (CHM 320). Writing intensive course with a focus on writing laboratory reports in professional fashion.

Lab:

This course is the lab for CHM 320 .

Credit Hours: 1 Prerequisite or Corequisite Courses:

CHM 320 .

University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

CHML 321 - Physical Chemistry Laboratory II

Course Description:

This course is the lab for CHM 321 .

Credit Hours: 1 Prerequisite Courses:

Prerequisite or corequisite: CHM 321 .

University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

CHML 325 - Biophysical Chemistry Laboratory

Course Description:

Essential experimental approaches used in the study of proteins, lipids, and nucleic acids, and their interactions. The molecular structure, thermodynamics and kinetics of binding reactions, phase transitions, and other processes involving these macromolecules will be studied using calorimetry and modern spectroscopic methods.

Credit Hours: 1 Prerequisite or Corequisite Courses:

CHM 325 .

Prerequisite Courses:

CHM 220 .

Course Repeatability: Course may not be repeated.

CHML 365 - Biochemistry Laboratory

Course Description:

Theory and practice of biochemical techniques. Topics may include protein assays, protein purification, electrophoresis, enzyme kinetics, HPLC or proteins, buffers and pH, DNA isolation, and molecular visualization and modeling.

Credit Hours: 2 Prerequisite or Corequisite Courses:

CHM 365 .

Prerequisite Courses:

CHML 212 .

Course Repeatability: Course may not be repeated.

CHML 377 - Environmental Chemistry Laboratory

Course Description:

Laboratory analysis of environmental samples, including applications of standard EPA methods.

Lab:

This course is the lab for CHM 377 .

Credit Hours: 1 Corequisite Courses:

CHM 377

Course Repeatability: Course may not be repeated.

CHML 380 - Forensic Chemistry Laboratory

Course Description:

Laboratory techniques in forensic chemistry, including analyses of trace organics, metals and analyses, fibers and polymers; toxicology; serology; drug and DNA chemistry; fingerprinting; and chain of custody procedures.

Credit Hours: 1 Prerequisite or Corequisite Courses:

CHM 380 .

Prerequisite Courses:

CHM 211 and CHML 211 .

Course Repeatability: Course may not be repeated.

CHML 435 - Instrumental Analysis Lab

Course Description:

Theory and application of modern analytical instrumentation and techniques. Emphasis on atomic spectroscopy, molecular spectroscopy, chromatography, electrochemistry, mass spectrometry, statistical analysis, report writing, and laboratory safety.

Credit Hours: 2 Corequisite Courses:

CHM 435 .

Prerequisite Courses:

CHML 235

Course Repeatability: Course may not be repeated.

CHML 445 - Inorganic Synthesis Laboratory

Course Description:

Synthesis and techniques in inorganic chemistry. Normally taken concurrently with CHM 445 .

Lab:

This course is the lab for CHM 445 .

Credit Hours: 1 Prerequisite or Corequisite Courses:

CHM 445 .

Course Repeatability: Course may not be repeated.

CHML 468 - Plasmid Design and Production

Course Description:

Study of advanced experimental skills for constructing, producing, and purifying plasmids used in the synthesis of biological macromolecules. Students will learn to design plasmids for the expression of recombinant proteins, in-vitro transcription of mRNAs, and the production of viral vectors. Course topics include DNA cloning techniques and plasmid production methods.

Credit Hours: 1 Prerequisite Courses:

CHM 365 and CHML 365

Course Repeatability: Course may not be repeated.

CHN 101 - Introductory Chinese I

Course Description:

Emphasis on achievement of an active command of the language. Aural-oral practice; intensive study of the basic pattern of spoken Mandarin; reading, writing, and basic conversation. For students with one unit or less of high school Chinese.

Credit Hours: 3 University Studies: ["Foundations/Foreign Language"] Course Repeatability: Course may not be repeated.

CHN 102 - Introductory Chinese II

Course Description:

Emphasis on achievement of an active command of the language. Aural-oral practice; intensive study of the basic pattern of spoken Mandarin; reading, writing, and basic conversation.

Credit Hours: 3 Prerequisite Courses:

CHN 101

University Studies: ["Foundations/Foreign Language"] Course Repeatability: Course may not be repeated.

CLA 209 - Classical Literature in Translation: Topics

Course Description:

Major authors of ancient Greece and Rome. Emphasis on ancient literature in its social context and on classical themes in later literatures. May be repeated under a different subtitle.

Credit Hours: 3 Prerequisite Courses: ENG 201 University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives", "Building Competencies/Writing Intensive"] Crosslisting:

ENG 209

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

CLA 210 - Mythology

Course Description:

The major mythological systems of Western society Greek, Roman and Norse. Mythology of other parts of the world and related material are also considered.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives", "Approaches and Perspectives/Historical and Philosophical Approaches"] Crosslisting:

ENG 210

Course Repeatability: Course may not be repeated.

CLA 211 - Classical Mythology

Course Description:

The myths of ancient Greece and Rome through literary, artistic, and documentary sources.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

CLA 330 - Women in Ancient Greece and Rome

Course Description:

Women in ancient Greece and Rome through documentary, artistic and literary sources. Women's economy and community, medical issues, slavery, religion, construction of gender roles, and images of heroines in literature and the arts.

Credit Hours: 3 Additional Restrictions/Requirements:

Sophomore, junior, or senior standing.

University Studies: ["Approaches and Perspectives/Historical and Philosophical Approaches", "Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

CLA 345 - Topics in Mythology

Course Description:

The study of a selected theme in world mythologies. Content varies from semester to semester. May be repeated once under a different subtitle.

Credit Hours: 3 Additional Restrictions/Requirements:

Six hours of literature at the 200 level or above, or consent of instructor.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 3

CLA 491 - Directed Individual Study

Course Description:

Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult Directed Individual Studies section in this catalogue.

Credit Hours: 1 To 3 Additional Restrictions/Requirements:

Junior or senior standing, overall GPA of at least 2.00, and consent of instructor, department chair, and dean.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

CLR 294 - Clinical Research Study Abroad

Course Description:

This course provides Clinical Research undergraduate study abroad opportunities.

Credit Hours: 1 To 6 University Studies: ["Explorations Beyond the Classroom"] Course

Repeatability: Course may be repeated.

CLR 295 - Special Topics in Clinical Research

Course Description:

Intensive study of selected topics of special interest in clinical research not covered in CLR existing courses. Depending on the topic, this course may include a lab.

Credit Hours: 1 To 3 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 9

CLR 301 - Introduction to Clinical Research

Course Description:

Provides overview of people, terminology, execution, and regulations involved in clinical research process. Focuses on phases of biopharmaceutical product development and protection of human subjects. Emphasis on FDA evaluation of new products for the pharmaceutical and biotechnology industries. Open to non-majors.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

CLR 310 - Clinical Research Writing and Communications

Course Description:

Examines principles and practice of scientific writing in clinical research field with emphasis on critical thinking, researching, and writing processes. Includes writing of such documents as standard operating procedures, proposals, literature reviews, short reports and letters.

Credit Hours: 3 Prerequisite or Corequisite Courses:

CLR 301 with a C or better

Additional Restrictions/Requirements:

Open only to students within the Clinical Research major or Clinical Research minor.

University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3 Major Restriction: Restricted to Clinical Research majors Minor Restriction: Restricted to Clinical Research minors

CLR 325 - Pharmacotherapeutics

Course Description:

Focuses on therapeutic uses and effects of drugs. Discusses drug classes that may be encountered in clincal protocols during new drug development. Reviews various medical conditions and summarizes basic pathophysiology, clinical presentation, diagnosis, desired outcome, disease prevention, pharmacologic and non-pharmocologic therapy.

Credit Hours: 3 Prerequisite Courses:

CLR 301 with a C or better.

Additional Restrictions/Requirements:

Restricted to Clincal Research majors and minors.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

CLR 330 - Fundamentals of Biopharmaceutical Product Development

Course Description:

This completely on-line course provides an overview of the development of pharmaceutical and biotechnology products for the marketplace. This course reviews the theoretical and practical aspects of the discovery of new entities, the preclinical process, chemistry manufacturing and controls (CMC), manufacturing and scale-up of candidate products, over-the-counter and generic drugs, production and stability of marketed products as well as the overall costs of drug development.

Credit Hours: 3 Prerequisite Courses:

CLR 301 with a C or better

Additional Restrictions/Requirements:

Open only to students within the Clinical Research major or Clinical Research minors.

Course Repeatability: Course may not be repeated. Major Restriction: Restricted to Clinical Research majors Minor Restriction: Restricted to Clinical Research minors

CLR 340 - Study and Site Management for Clinical Trials

Course Description:

Operational aspects of clinical trials at the site level, including financial, personnel, and legal considerations. Introduces relevant regulations and guidelines including ICH GCP. Includes discussion of roles, responsibilities, and perspectives of the subject, clinical study coordinator, prinicipal investigator, sponsor, and contract research organization.

Credit Hours: 3 Prerequisite Courses:

CLR 301 with a C or better.

Additional Restrictions/Requirements:

Only open to students within the Clinical Research major.

University Studies: ["Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

CLR 350 - Understanding Medical Terminology and Clinical Endpoints

Course Description:

Audio-visual approach to study of medical terminology, body systems, diagnostic procedures, and pharmacology. Emphasizes word construction, spelling, usage, comprehension, pronunciation, abbreviations. Applies terminology to clinical study endpoints commonly used to measure safety and efficacy of a biopharmaceutical product.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

CLR 394 - Undergraduate Clinical Research Study Abroad

Course Description:
This course will provide students with an exposure to healthcare, cultural differences and clinical research in communities outside the US. Focused study will include ethical considerations for clinical research and healthcare norms specific to the host country on local, regional and global scales. The course integrates multiple forms of instruction.

Course Goal: The overall purpose of this course is to increase student awareness of clinical research in international settings and enhance the students' understanding of regulatory and cultural differences and similarities between US based clinical research studies as compared to global clinical trials.
Credit Hours: 0 To 6 Corequisite Courses:
CLR 301 .
Prerequisite Courses:
CLR 301 .
Additional Restrictions/Requirements:
Instructor approval.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

CLR 410 - Collaborative Writing for Clinical Studies

Course Description:
Focuses on collaborative writing approaches, style, and sources of information used to create clinical research documents. Encourages critical thinking by summarizing information from multiple sources with varying degrees of quality.
Credit Hours: 3 Prerequisite Courses:
CLR 310 with a C or better.
Additional Restrictions/Requirements:
Restricted to students with declared major in Clinical Research.
University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

CLR 420 - Regulatory Affairs

Course Description:

In-depth coverage of the requirements for worldwide marketing applications. Examination of the regulatory review process and regulatory agency interactions. Emphasis on late phase of clinical investigations and marketing considerations, including safety reporting.

Credit Hours: 3 Prerequisite Courses:

CLR 301 with a C or better

Additional Restrictions/Requirements:

Open only to students within the Clinical Research major or Clinical Research minor.

Course Repeatability: Course may not be repeated. Major Restriction: Restricted to Clinical Research majors Minor Restriction: Restricted to Clinical Research minors

CLR 430 - Managing and Monitoring Clinical Trials

Course Description:

Reviews theoretical principles and practices guiding trial monitoring, project management, and trial phases including planning, initiation, monitoring and closing. Discusses roles and responsibilities of people and groups focusing on protocol development, site monitoring, quality assurance, data management and overall trial management.

Credit Hours: 3 Prerequisite Courses:

CLR 301 with a C or better and CLR 330 with a C or better and CLR 340 with a C or better.

Additional Restrictions/Requirements:

Restricted to Clinical Research majors.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

CLR 440 - Bioanalytics

Course Description:

Examines study designs and statistical analyses commonly used in biopharmaceutical clinical trials and post-marketing studies with focus on interpreting descriptive and inferential statistics. Explores techniques such as randomization, blinding, and placebo-control. Reviews industry processes for data analysis. Discusses basic concepts in epidemiology, pharmacoeconomics, psychometrics/patient-reported outcomes.

Credit Hours: 3 Prerequisite Courses:

CLR 301 with a C or better and CLR 330 with a C or better and CLR 350 with a C or better.

Additional Restrictions/Requirements:

Restricted to CLR majors and CLR minors.

University Studies: ["Building Competencies/Information Literacy", "Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

CLR 450 - Data Management

Course Description:

Examines role and responsibilities of data management in clinical research. Topics include organization, collection, review, and tracking of data; technology platforms; case report form design, and regulations. Includes an applied component to learn data structure and manipulation.

Credit Hours: 4 Prerequisite Courses:

CLR 301 with a C or better.

Additional Restrictions/Requirements:

Open only to students in the CLR major and CLR minor.

University Studies: ["Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 4

CLR 470 - The Business of Clinical Research

Course Description:

Examines financial aspects of clinical research spanning from individual studies to the business models supporting clinical research organizations. Focuses on contract research services, vendor management, study team labor costs, contracts and proposals. Disucsses accountability for study budgets at the individual level.

Credit Hours: 3 Corequisite Courses:

CLR 497

Additional Restrictions/Requirements:

Open to Clinical Research majors only.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

CLR 491 - Directed Individual Study

Course Description:

Involves investigation under faculty supervision beyond what is offered in existing courses.

Credit Hours: 1 To 3 Additional Restrictions/Requirements:

Junior or senior standing, overall GPA of at least 2.0, and consent of instructor, department chair, and dean.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

CLR 495 - Advanced Special Topics in Clinical Research

Course Description:

Intensive study of selected advanced topics of special interest in clinical research not covered in CLR existing courses. Depending on the topic, this course may include a lab.

Credit Hours: 1 To 3 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 9

CLR 496 - Clinical Research Internship I

Course Description:

Students must work with faculty placement in prior semester. Practical experience, 14 hours weekly at clinical research site, includes online course with learning modules that enhance the experience and discuss issues arising in the practicum. Students and participating organizations are matched to provide a comprehensive clinical research experience.

Credit Hours: 6 Prerequisite Courses:

CLR 301 with a C or better and CLR 310 with a C or better and CLR 325 with a C or better and CLR 330 with a C or better and CLR 340 with a C or better and CLR 350 with a C or better.

Additional Restrictions/Requirements:

Restricted to Clinical Research majors.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 6 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:

Additional Course Fee Schedule

CLR 497 - Clinical Research Internship II

Course Description:

Students must work with faculty on placement in prior semester. Continuation of practical experience, 14 hours weekly at clinical research site, includes online courses with learning modules that enhance the experience and discuss issues arising in the practicum. Students and participating organizations are matched to provide a compreshensive clinical research experience.

Credit Hours: 6 Prerequisite Courses:

CLR 496 with a P.

Additional Restrictions/Requirements:

Restricted to Clinical Research majors.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may not

be repeated. Maximum Repeatable Hours: 6 Additional Fees Link:
Additional Course Fee Schedule

CLR 499 - Honors Work in Clinical Research

Course Description:

Independent study for honors students.

Credit Hours: 2 To 3 Additional Restrictions/Requirements:

Junior or senior standing and eligibility for Honors College.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

CHHS 205 - Introduction to Health and Human Services

Course Description:

Explores career opportunities in health and human services. Studies the health and human service system in the United States and locally as it has been affected by history, changing values, and changes in the economic and political environment.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Understanding Human Institutions and Behaviors"] Course Repeatability: Course may not be repeated.

CHHS 207 - Pre-Health Career Exploration

Course Description:

Serves as a developmental guide for pre-health students in the exploration of pathways leading to medical and allied health graduate programs and related healthcare careers. This course covers: identifying appropriate undergraduate majors, prerequisite coursework, admissions requirements, participation in pre-health engagement opportunities, and additional elements necessary for competitive admission into medical and allied health graduate programs. Students create an individualized semester graduate program preparation plan as a course component.

Course Repeatability: Course may not be repeated.

CHHS 210 - Creating Happiness and Well-Being

Course Description:

An introduction to the study of topics related to happiness and its impact on quality of life. Students will learn principles and theoretical models targeted at increasing and/or sustaining happiness. The course will focus on big-picture issues and real-world applications.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Understanding Human Institutions and Behaviors"] Course Repeatability: Course may not be repeated.

CHHS 215 - Military Transitions: Successful Reintegration to Civilian and Academic Life

Course Description:

This course will help future, active-duty, and veteran military personnel understand and effectively address the challenges United States veteran military personnel and their family members face when reintegrating to civilian and academic life. Students will learn about the differences between US military and civilian/academic life, and the challenges associated with making a successful transition. Students will assess their current wellbeing and apply strategies to pursue a fulfilling life. The course emphasizes the application of lifestyle choices and behavioral change across the dimensions of wellness for improved civilian and academic life quality.
Credit Hours: 3 Additional Restrictions/Requirements:
Only open to military veterans and family members or consent of instructor.
University Studies: ["Approaches and Perspectives/Living in Our Diverse Nation"] Course Repeatability: Course may not be repeated.

CHHS 250 - Special Topics in Health & Human Services

Course Description:
Study of a selected topic in Health and Human Services not covered in sufficient breadth or depth in existing courses. May be repeated under a separate course title.
Credit Hours: 1 To 3 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 3

CHHS 294 - Undergraduate CHHS Study Abroad I

Course Description:
This course provides College of Health and Human Services undergraduate study abroad opportunities.
Credit Hours: 1 To 6 University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated.

CHHS 325 - Foundations in Health and Wellness Coaching

Course Description:
This course provides foundational knowledge and skills to prepare students to be health and wellness coaches. Students will be introduced to the structure of health and wellness coaching, the coaching process, ethical and legal issues, and general knowledge about healthy living. The course will include theories of behavior change and evidence-based techniques used in health and wellness coaching. Curriculum is drawn from the core competencies of the National Board for Health and Wellness Coaching Certification Exam Content.
Credit Hours: 3 Prerequisite Courses:
WPA 101 , WPAL 101 .
Course Repeatability: Course may not be repeated.

CHHS 350 - Leadership Skills for Adventure Exercise

Course Description:

This course is a 3-credit hour course designed to provide skills necessary for wilderness travel and outdoor adventure. It will emphasize effective leadership for adventure programming, knowledge of backpacking skills, wilderness and remote first aid, proper physical conditioning, route finding, equipment selection, and an understanding and respect for the environment. This course incorporates lecture sessions followed by an adventure trip, where students can apply course principals and skills. Specifically, we will meet face-to-face for 3 hours weekly over the final 10 weeks of school, experience a 4-day adventure trip over (add specific dates each semester here), and then reflect on the adventure experience upon our return (via online assignment).

Credit Hours: 3 Additional Restrictions/Requirements:

This course will require participation in vigorous physical activity (i.e. over ground walking while wearing a backpack equivalent to about 30% of your body weight). Students must complete a Physical Activity Readiness Questionnaire (PAR-Q) on the first day of class. If deemed necessary, students must follow up and get approval to participate in the course from a medical doctor.

Course Repeatability: Course may be repeated.

CHHS 411 - Research & Evaluation Methods in Human Services

Course Description:

This course introduces research design and analysis necessary to examine, apply, and utilize science in interdisciplinary human service settings. Course content includes an overview of current issues in knowledge development including the process of research utilization and evidence based practice. The student will conduct analytic critiques of the research literature for scientific merit, synthesize these critiques for application to practice, and develop strategies for providing leadership to make evidence based practice a reality in current and future work settings.

Credit Hours: 3 Prerequisite or Corequisite Courses:

SWK 496 with a C or better

Prerequisite Courses:

(SWK 321 with a C or better and SWK 496 with a C or better), or EXS 210 with a C or better, or RTH 380 with a C or better, or RSP 300 with a C or better.

Additional Restrictions/Requirements:

All prerequisite courses must have a minimum grade of "C" or better.

University Studies: ["Building Competencies/Writing Intensive", "Building Competencies/Information Literacy", "Critical Reasoning"] Course Repeatability: Course may not be repeated.

CHHS 425 - Applications in Health and Wellness Coaching

Course Description:

In this course, students will learn and apply mindfulness, relationship and communication health and wellness coaching skills. This course will introduce students to evidence-based techniques such as motivational interviewing and solution focused coaching to build capacity for lasting behavioral change. Coaching session and program structure and ethical and legal issues will be explored. The curriculum is aligned with the standards published by the National Board for Health and Wellness Coaching.

Credit Hours: 3 Corequisite Courses:

CHHS 426 .

Prerequisite Courses:

CHHS 325 .

Course Repeatability: Course may not be repeated.

CHHS 426 - Health and Wellness Coaching Skills Lab

Course Description:

This course is designed to provide students with the opportunity to develop practical skills to become a capable, competent health and wellness coach. Students will engage in didactic learning with peers to practice health and wellness coaching skills. The course utilizes the standards published by the National Board for Health and Wellness Coaching to assess practical skills.

Credit Hours: 1 Corequisite Courses:

CHHS 425 .

Prerequisite Courses:

CHHS 325 .

Course Repeatability: Course may not be repeated.

CHHS 427 - Motivational Interviewing

Course Description:

This course is designed to provide students with the opportunity to learn and apply motivational interviewing knowledge and skills. Students will engage in didactic learning with facilitated practice, observe and provide feedback their skills.

Credit Hours: 3 Prerequisite Courses:

CHHS 325

University Studies: [""] Crosslisting:

CHHS 527

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3 Repeat Limit: 0 Additional Course Fees: [""] Equivalent Courses: [""]

CHHS 450 - Special Topics in Health & Human Services

Course Description:

Study of a selected topic in Health and Human Services not covered in sufficient breadth or depth in existing courses. May be repeated under a separate course title.

Credit Hours: 1 To 3 Additional Restrictions/Requirements:

Junior or senior standing.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

CHHS 491 - Directed Individual Study

Course Description:

Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.

Credit Hours: 1 To 6 Additional Restrictions/Requirements:

Junior or senior standing, overall GPA of at least 2.00 and consent of instructor, school director and dean.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

CHHS 494 - CHHS Study Abroad II

Course Description:

This course provides College of Health and Human Services advanced undergraduate study abroad opportunities.

Credit Hours: 1 To 6 Additional Restrictions/Requirements:

Instructor approval

Course Repeatability: Course may be repeated.

CHHS 495 - Innovation in Health Education

Course Description:

Focuses on applications for health management and well being for older adults and their families. Uses technological advances of ipads and smart phones to better prepare allied health professionals. Particular attention paid to fitness safety, disease management, nutrition, end of life care, and caregiving. Students will use

their knowledge to educate older adults currently living in the community.
Credit Hours: 1 Course Repeatability: Course may not be repeated.

CHHS 499 - Honors Work in Health and Human Services

Course Description:

Independent study for honors students.

Credit Hours: 1 To 6 Additional Restrictions/Requirements:

Senior standing and eligibility for honors program.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

COM 101 - Public Speaking

Course Description:

Preparation and delivery of public presentations, with emphasis on creativity, reasoning, evidence, organization, and delivery. Course content will also be applied to analysis of speeches by self and others.

Credit Hours: 3 University Studies: ["Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

COM 104 - Concepts in Communication Studies

Course Description:

Introduction to communication concepts central to interpersonal relationships, organizations, mass media and other contexts of communication. Focus on concepts and skills that have a practical impact on the student's understanding and practice of communication. Designed specifically for students not intending to become communication studies majors.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Understanding Human Institutions and Behaviors"] Course Repeatability: Course may not be repeated.

COM 105 - Introduction to Communication Studies

Course Description:

Designed specifically for potential communication studies majors. Deeper overview of the discipline and our department. Emphasis on foundational concepts for practicing, describing, and evaluating communication; and on skills necessary to understand, evaluate, and apply research in the discipline as a communication specialist. Non majors see COM 104: Concepts in Communication Studies .

Credit Hours: 3 Course Repeatability: Course may not be repeated.

COM 116 - Performance of Literature

Course Description:

Analysis of poetry, prose, and ethnographic texts through the medium of oral

performance. Emphasis is on literary selection, textual analysis, performance analysis and characterization, and other strategies and skills.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives", "Approaches and Perspectives/Living in Our Diverse Nation"] Course Repeatability: Course may not be repeated.

COM 160 - Engaging Contemporary Media

Course Description:

Exploration of the structures, systems, effects, conventions, and genres of contemporary media. Emphasis on improving media literacy to foster informed, critical, and discerning interaction with media.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Understanding Human Institutions and Behavior"] Course Repeatability: Course may not be repeated.

COM 200 - Research Methods in Communication Studies

Course Description:

Introduction to critical thinking and overview of research methods in communication studies. Students will develop a research mindset and learn how research is used to answer questions and support claims. Methods include secondary, quantitative, qualitative, textual, and critical research.
Credit Hours: 3 Prerequisite or Corequisite Courses:

COM 101

Prerequisite Courses:

COM 105 with a minimum grade of B.
University Studies: ["Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

COM 211 - Storytelling and Culture

Course Description:

Exploration of stories as the production and communication of culture. Emphasis on storytelling as performance with attention to personal stories, stories of others, shared cultural stories including fairy tales, myths, and folktales.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in Our Diverse Nation", "Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated.

COM 212 - Storytelling in the Community

Course Description:

Storytelling in real-life contexts with an emphasis on performing for elementary school children; theoretical foundations of performance strategies for participatory storytelling; audience-adaptation storytelling techniques for literary and personal

stories. (A maximum of three hours may be used toward major degree requirements.)
Credit Hours: 3 Additional Restrictions/Requirements:
Consent of instructor.
Course Repeatability: Course may not be repeated.

COM 219 - Voice and Diction

Course Description:
Principles and use of the voice. Exercises in local variety, articulation, and pronunciation.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

COM 220 - Interpersonal Communication

Course Description:
Introduction to the theory and practice of relational communication in face-to-face and social media situations and contexts. Focus is on improving interpersonal communication skills through understanding verbal, nonverbal, and relational processes.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Understanding Human Institutions and Behaviors"] Course Repeatability: Course may not be repeated.

COM 223 - Mediation and Conflict Management

Course Description:
Introduction to the principles of conflict management and alternative dispute resolution with an emphasis on mediation and conflict theory. Other topics include negotiation, arbitration and litigation.
Credit Hours: 3 Prerequisite or Corequisite Courses:
COM 105 .
Course Repeatability: Course may not be repeated.

COM 226 - Health Communication

Course Description:
Application of communication theory and principles to context of health communication, including intrapersonal and interpersonal health across the lifespan, and how politics, institutions, and culture inform and constrain health communication choices.
Credit Hours: 3 Prerequisite Courses:
COM 105 with a minimum grade of B
Additional Restrictions/Requirements:
Restricted to PCOM and COM majors.

Course Repeatability: Course may not be repeated.

COM 231 - Essentials of Integrated Marketing Communication

Course Description:

Exploration of advertising, public relations, promotions, events and experiential marketing, word-of-mouth marketing, and social media campaigns through an IMC framework. The IMC approach considers audience, research, messages, ethics, and the current cultural environment to provide the foundations of sound practice. Students also explore careers in this area and how those careers shape our world.

Credit Hours: 3 Course Repeatability: Course may not be repeated. Major Restriction: IMC Certificate

COM 232 - Strategic Writing in Integrated Marketing Communication

Course Description:

Writing in the field of integrated marketing communication, including public relations writing, advertising planning and copywriting, social media writing, and other forms of strategic communication designed for markets, target audiences, and publics. Students research and produce multiple written artifacts, learn to edit and proofread, and package these communication artifacts professionally.

Credit Hours: 3 Prerequisite or Corequisite Courses:

ENG 103 or ENG 201 or permission of instructor.

Additional Restrictions/Requirements:

Or permission of instructor.

University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated. Major Restriction: PCOM or COM Majors or Integrated Marketing Communication (IMC) Certificate

COM 246 - Communication with Deaf and Hearing-Impaired Persons

Course Description:

Exploration of communication challenges faced by deaf and hearing-impaired populations and those who seek to communicate with them. Introduction to (ASL) sign language.

Credit Hours: 3 Additional Restrictions/Requirements:

Sophomore, junior, or senior standing.

Course Repeatability: Course may not be repeated.

COM 250 - Introduction to Political Communication

Course Description:

Examination of political communication theory and research. Content includes approaches to and history of political communication, roles of the media and public opinion, and the analysis of political messages. Application of course content to past and current political events.

Credit Hours: 3 Prerequisite Courses:

COM 105 or PLS 205

Additional Restrictions/Requirements:

Prerequisite courses or consent of instructor.

Course Repeatability: Course may not be repeated.

COM 256 - Persuasive Communication and Social Influence

Course Description:

Explores the power of social and symbolic influence as it relates to perceptions, values, and actions of others in both negative and positive ways.

Credit Hours: 3 Prerequisite Courses:

COM 101 or COM 105 or PLS 205

Additional Restrictions/Requirements:

Prerequisite courses or consent of instructor.

Course Repeatability: Course may not be repeated.

COM 257 - Arguing Well: Exploring Argumentation and Debate

Course Description:

Explores principles, practices and ethical dimensions of argumentation and their application to debates and decision-making. Students will engage in research and critical thinking in order to construct cases and participate in debates about issues of interest.

Credit Hours: 3 University Studies: ["Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated.

COM 258 - Rhetoric of Popular Culture

Course Description:

Focus is on understanding various persuasive influences inherent in popular culture. Includes analysis of persuasive dimensions of advertising, music, art, movies, theatre, social movements, politics, literature, and sports.

Credit Hours: 3 Prerequisite Courses:

COM 105 with a minimum grade of B

Additional Restrictions/Requirements:

Restricted to PCOM and COM majors.

Course Repeatability: Course may not be repeated.

COM 265 - Communication Media

Course Description:

Examination of the development, functions, theoretical foundations, and effects of media on individuals, society, and culture.

Credit Hours: 3 Prerequisite Courses:

COM 160 or permission of instructor.

Course Repeatability: Course may not be repeated.

COM 267 - Introduction to New and Converging Media

Course Description:

Explores the practical and theoretical considerations of central issues in new and converging media. Emphasis on the impact of new media on the economy, culture, journalism, politics, citizenship, relationship practices, globalization, and everyday life.

Credit Hours: 3 Prerequisite Courses:

COM 105 or COM 160

Additional Restrictions/Requirements:

Prerequisite courses or consent of instructor.

Course Repeatability: Course may not be repeated.

COM 268 - Principles of Multimedia Journalism

Course Description:

Concepts, principles and basic skills in writing and producing news content for multiple media platforms; including radio, television, and internet-based outlets. Emphasis on news gathering, story construction and effective storytelling, proper formatting and scriptwriting techniques, and responding effectively to news problems and potentials.

Credit Hours: 3 Prerequisite Courses:

ENG 103 or ENG 201 or permission of instructor.

Additional Restrictions/Requirements:

Restricted to PCOM and COM majors, or journalism minors.

Course Repeatability: Course may not be repeated.

COM 271 - Communication, Collaboration and Effective Groups

Course Description:

Theory and practice of collaborative communication. Emphasis on learning to work effectively in face-to-face and virtual groups. Focus on managing social and task dimensions of collaborative decision-making for problem solving and creative projects.

Credit Hours: 3 Additional Restrictions/Requirements:

Restricted to sophomore or higher.

Course Repeatability: Course may not be repeated.

COM 272 - Introduction to Organizational Communication

Course Description:

Study of organizations and virtual organizations as systems created and sustained by communication processes. Topics include organizational analysis and development, diversity, leadership, culture, HR and issues relevant to the global and international marketplace.

Credit Hours: 3 Additional Restrictions/Requirements:

PCOM or COM or permission of instructor.

Course Repeatability: Course may not be repeated. Major Restriction: PCOM or COM

COM 280 - Introduction to Digital Media Production

Course Description:

Introduction to the process, technologies, and aesthetics of digital video and audio production. Topics include field and studio TV production, editing, lighting, sound acquisition, project planning and writing, emerging technologies, and career preparation.

Credit Hours: 3 Prerequisite Courses:

Prerequisite or Corequisite: COM 105 , or consent of instructor.

Additional Restrictions/Requirements:

Sophomore standing or higher.

Course Repeatability: Course may not be repeated.

COM 283 - Digital Audio I

Course Description:

Audio production experience including project analysis, planning, script writing, recording, and editing. Emphasis on audio acquisition and digital editing. Students complete a variety of short productions working individually and in small teams.

Credit Hours: 3 Additional Restrictions/Requirements:

Restricted to PCOM and COM majors.

Course Repeatability: Course may not be repeated.

COM 284 - Introduction to Digital Media Editing

Course Description:

Introduction to digital editing technologies, processes, and techniques, for video and audio using relevant digital creativity and editing software applications. Students will independently work through appropriate training and complete additional

independent editing projects. Intended for novice editors. .
Credit Hours: 3 Additional Restrictions/Requirements:
PCOM and COM Majors or permission of instructor
Course Repeatability: Course may not be repeated. Major Restriction: PCOM and COM Majors

COM 286 - Digital Multimedia I

Course Description:
Essentials of digital multimedia such as graphics, illustrations, and design using various graphic software packages. Hands-on learning approach while using related computer applications.
Credit Hours: 3 Prerequisite Courses:
CSC 105
Additional Restrictions/Requirements:
Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

COM 288 - 3D Computer Animation I

Course Description:
Technical and artistic dimensions of 3D animation using high-end computer applications. Hands-on learning in 3D modeling, surfacing, rendering, as well as cameras, lights and motion.
Credit Hours: 3 Prerequisite Courses:
CSC 105
Additional Restrictions/Requirements:
Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

COM 295 - Introductory Seminar in Communication Studies

Course Description:
Special topics in communication that are not explored in other courses. Additional restrictions based on topic.
Credit Hours: 1 To 3 Additional Restrictions/Requirements:
PCOM and COM Majors or permission of instructor.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 9 Repeat Limit: 2 Major Restriction: PCOM and COM Majors

COM 300 - Applied Quantitative Research Methods

Course Description:
Application of fundamental quantitative research approaches to topics of interest to the students. Emphasis on theory-based research as a means of answering

questions and solving problems.
Credit Hours: 3 University Studies: ["Explorations Beyond the Classroom", "Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated. Major Restriction: COM

COM 301 - Rhetorical Theory

Course Description:
Introduction to classical and contemporary theories of rhetoric from Plato to the present. Emphasis on applying such theories for greater description, analysis, and evaluation of rhetorical process and outcomes.
Credit Hours: 3 Prerequisite Courses:
COM 200 with a minimum grade of B
Additional Restrictions/Requirements:
Restricted to COM majors.
Course Repeatability: Course may not be repeated.

COM 302 - Applied Qualitative Research

Course Description:
Focus on applying qualitative methods in communication studies to real-life contexts. Student select topics to explore through the various methods and techniques presented in class. Students present findings in a variety of formats that are easily adaptable to inclusion in portfolios or future goals.
Credit Hours: 3 Additional Restrictions/Requirements:
COM Majors or permission of instructor.
University Studies: ["Building Competencies/Writing Intensive", "Explorations Beyond the Classroom", "Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated. Major Restriction: COM Majors

COM 305 - Communication Theory

Course Description:
Theoretical perspectives concerning how and why people communicate. Emphasis on applying theories for greater description, analysis, and evaluation of the human communication processes and outcomes.
Credit Hours: 3 Prerequisite Courses:
COM 200 with a minimum grade of B
Additional Restrictions/Requirements:
Restricted to COM majors.
University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

COM 310 - Performance of Literature II

Course Description:

Analysis of literature through advanced performance theory and skills; ways in which the expressive capacities of the performer's body, voice, and imagination are engaged with the aesthetic experience of contemporary literature; emphasis on contemporary performance theory, creative dramatics, character analysis, and biography. A one-person show is required.

Credit Hours: 3 Prerequisite Courses:

COM 116 or THR 230

Course Repeatability: Course may not be repeated.

COM 313 - Storytelling and Community Engagement

Course Description:

Storytelling for audiences outside the university classroom with emphasis on performing for young children. Apply performance theories, cultural analysis, and adaptations to performer/audience dynamics across contexts. (A maximum of three hours may be used toward major degree requirements.)

Credit Hours: 3 Prerequisite Courses:

COM 116 or COM 212 , and permission of instructor.

Course Repeatability: Course may be repeated.

COM 319 - On-Camera Performance

Course Description:

Theoretical foundations and applied techniques related to on-camera presentation for broadcast journalists, television spokespersons, and camera performers. Includes critiquing the work of industry professionals and composing original journalistic texts. Extemporaneous as well as memorized camera performances.

Credit Hours: 3 Prerequisite Courses:

COM 101 , or COM 116 , or COM 268 , or permission of instructor.

Additional Restrictions/Requirements:

COM Majors or permission of instructor.

Course Repeatability: Course may not be repeated. Major Restriction: COM Majors

COM 320 - Interpersonal Communication II

Course Description:

In-depth analyses and discussions of interpersonal communication theories and research as they apply to topics such as developing closeness with others, communication processes in established relationships, and serious challenges in relationships. Theory application and research designs will be critiqued.

Credit Hours: 3 Prerequisite Courses:

COM 220

Additional Restrictions/Requirements:

Permission of instructor.

University Studies: ["Building Competencies/Writing Intensive", "Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated. Major Restriction: COM

COM 326 - Communication and the Family

Course Description:

Explores communication dynamics within family systems including family contexts, roles, structures, and stages. Analysis of media portrayals of family.

Credit Hours: 3 Prerequisite Courses:

COM 220

Additional Restrictions/Requirements:

PCOM or COM major, or permission of instructor.

Course Repeatability: Course may not be repeated.

COM 334 - Integrated Marketing Communication: Message Design

Course Description:

Focuses on design, construction, and analysis of persuasive strategic messages in integrated marketing communication (IMC) contexts using communication and rhetorical theory. Types of messages include written, verbal, and multimedia.

Credit Hours: 3 Prerequisite or Corequisite Courses:

COM 232

Prerequisite Courses:

COM 231

Additional Restrictions/Requirements:

Or permission of instructor.

Course Repeatability: Course may not be repeated. Major Restriction: COM or Integrated Marketing Communication Certificate

COM 338 - Integrated Marketing Communication: Campaign Design

Course Description:

Design, construction, analysis and evaluation of campaigns that include advertising, public relations, promotions, word-of-mouth and social media elements in integrated marketing communication (IMC) contexts using communication and rhetorical theory.

Credit Hours: 3 Prerequisite or Corequisite Courses:

COM 232

Prerequisite Courses:

COM 231

Additional Restrictions/Requirements:

Or permission of Instructor.

Course Repeatability: Course may not be repeated. Major Restriction: COM Majors or Integrated Marketing Communication Certificate

COM 343 - Culture and Communication of Deaf and Hearing-Impaired Persons

Course Description:

Communication techniques used by D/deaf and hearing-impaired and their impact on relationships with hearing people. Students will learn additional ASL skills and concepts.

Credit Hours: 3 Prerequisite Courses:

COM 246

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated.

COM 344 - Intercultural Communication

Course Description:

Theoretical and practical perspectives on communication effectiveness in dealing with people, groups, or organizations that are culturally different within and across national boundaries.

Credit Hours: 3 Prerequisite Courses:

COM 105 with a grade of 'B' or better, or permission of instructor.

Additional Restrictions/Requirements:

Restricted to Junior standing or higher.

University Studies: ["Approaches and Perspectives/Living in a Global Society", "Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated.

COM 346 - Interracial Communication

Course Description:

Explores communicative behaviors between individuals from various racial and ethnic groups and contextual dynamics unique to such interactions. Approaches to enhancing the content and quality of interracial relationships are also examined.

Credit Hours: 3 Additional Restrictions/Requirements:

PCOM or COM Majors, or permission of instructor.
Course Repeatability: Course may not be repeated. Major Restriction: PCOM and COM Majors

COM 347 - Aging and Communication

Course Description:

Communicative behavior of the elderly within the contexts of friendship networks, health care systems, the work place, and the family. Social forces that influence society's perceptions of the aging communicator.
Credit Hours: 3 Prerequisite Courses:

COM 200 with a minimum grade of B
Additional Restrictions/Requirements:

Prerequisite course or consent of instructor. Restricted to COM majors.
Course Repeatability: Course may not be repeated.

COM 350 - Politics and Film

Course Description:

Explores how the medium of film uses narrative and rhetorical devices such as stock plots, characters, and situations to communicate political ideas and shape audience perceptions. The films chosen for analysis and discussion cover a wide variety of historical and contemporary political issues.
Credit Hours: 3 Additional Restrictions/Requirements:

Restricted to COM majors.
Course Repeatability: Course may not be repeated. Major Restriction: COM

COM 351 - Media and Politics

Course Description:

History and theory of the relationships among the mass media, government, and the American public, and their implications for American democracy. Portrayal and effects of various media. Addresses the media's independence from government, the structure of media organizations, media bias, news practices, political campaigns, and effects on public opinion.
Credit Hours: 3 Prerequisite Courses:

COM 105 or PLS 205
Additional Restrictions/Requirements:

Prerequisite courses or consent of instructor.
Course Repeatability: Course may not be repeated.

COM 352 - Political Communication II

Course Description:

Application-based examination of management, strategy, and tactics within political

campaigns and the media coverage of modern politics. Students will survey historical and contemporary politics at both the local and national levels.
Credit Hours: 3 Prerequisite Courses:

COM 250

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated.

COM 355 - Rhetorical Analysis

Course Description:

Application of methodologies to analyze and critique the rhetorical features and dimensions of a wide range of cultural artifacts including songs, visual media, speeches, architecture, paintings, and others.
Credit Hours: 3 Prerequisite Courses:

COM 301 .

Additional Restrictions/Requirements:

COM Majors or permission of instructor.

University Studies: ["Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated. Major Restriction: COM Majors

COM 356 - Speech Writing

Course Description:

Theory and practice of speech writing with special emphasis on writing speeches for others.
Credit Hours: 3 Prerequisite Courses:

ENG 201 and (COM 105 or PLS 205), or permission of instructor.

University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

COM 358 - Diversity in Public Communication

Course Description:

Rhetorical practices of groups and individuals from diverse populations including race, ethnicity, gender, and disability.
Credit Hours: 3 Prerequisite Courses:

COM 101 or COM 105

Course Repeatability: Course may not be repeated.

COM 361 - Media Law and Ethics

Course Description:

Survey of laws and ethical principles that inform and regulate mediated communication including: freedom of speech and expression, defamation, invasion

of privacy, intellectual property, the rights and responsibilities of journalists/reporters, and the regulation of journalism, advertising, public relations and multimedia industries.

Credit Hours: 3 Prerequisite Courses:

COM 265 or COM 268 , or permission of instructor.

Additional Restrictions/Requirements:

COM Major or consent of instructor.

University Studies: ["Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated. Major Restriction: COM Majors Minor Restriction: Journalism Minors

COM 362 - Communication Ethics

Course Description:

Theories and principles to assist students in the identification, analysis, and evaluation of ethical issues and cases in variety of contexts including interpersonal, professional, and mediated contexts.

Credit Hours: 3 Prerequisite Courses:

COM 301 or COM 305

Additional Restrictions/Requirements:

Permission of instructor.

University Studies: ["Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated. Major Restriction: COM

COM 365 - Media, Identity and Difference

Course Description:

Examines representations of difference (of ability, socioeconomic class, gender, race, ethnicity, sexuality, etc.) and identity in media. Key debates regarding media representations of minorities as well as strategies to promote and create more diverse and inclusive representations will be explored. Students will engage in critique of media artifacts through writing and primary research.

Credit Hours: 3 Prerequisite Courses:

COM 104 or COM 105 or COM 160

Additional Restrictions/Requirements:

Prerequisite courses or consent of instructor.

Course Repeatability: Course may not be repeated.

COM 368 - Applications in Multimedia Journalism

Course Description:

Emphasis on long-form/feature reporting. Technical training in the operation of news gathering equipment; refinement of news gathering techniques; presentation and

delivery skills; and producing news content for multiple broadcast and digital platforms.
Credit Hours: 3 Prerequisite Courses:
COM 268 or COM 280.
Additional Restrictions/Requirements:
Or Permission of instructor
Course Repeatability: Course may not be repeated. Major Restriction: COM Studies Majors, or journalism minors.

COM 372 - Studies in Organizational Communication

Course Description:
Examination of relationships between organizations and issues of identity, culture, ethical practice, and related global processes and forces. Course concepts will be explored through case studies, critical incident analysis, and field research of organization.
Credit Hours: 3 Prerequisite Courses:
COM 272 or MGT 350
Additional Restrictions/Requirements:
Prerequisite courses or consent of instructor.
Course Repeatability: Course may not be repeated.

COM 374 - Solutions-Focused Consulting

Course Description:
Application of course concepts and communication skills to manage solutions-focused conversations with clients and organizations that identify needs and facilitate change.
Credit Hours: 3 Prerequisite Courses:
COM 231 or COM 372 or COM 378 or MGT 350 or permission of instructor.
Additional Restrictions/Requirements:
COM Major or permission of instructor.
University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated. Major Restriction: COM Major

COM 378 - Business and Professional Communication

Course Description:
Develop and refine communication skills in business environments and other professional settings. Topics include written correspondence, selection and use of communication technologies, delivery of mediated messages, and the design and delivery of professional presentations.
Credit Hours: 3 Prerequisite Courses:

COM 101 .
Additional Restrictions/Requirements:
COM majors or Entrepreneurship minors, or permission of instructor.
University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated. Major Restriction: COM Majors Only Minor Restriction: Entrepreneurship

COM 380 - Field Video Production I

Course Description:
Hands-on field video production including project planning, script writing, filming, recording, and editing. Emphasis on mastery of digital camera operation, audio acquisition, lighting, and digital editing. Students complete a variety of short productions working individually and in small teams.
Credit Hours: 3 Prerequisite Courses:
(COM 280 or FST 201) and COM 105 with a minimum grade of B
Additional Restrictions/Requirements:
Prerequisite courses and consent of instructor. Restricted to PCOM and COM majors.
Course Repeatability: Course may not be repeated. Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

COM 382 - Studio Video Production I

Course Description:
Introduction to multi-camera studio video production in a variety of genres. Skills developed include fundamental directing, studio camera operation, audio gathering and mixing, lighting and set design, and producing skills through the completion of group projects.
Credit Hours: 3 Prerequisite Courses:
COM 280
Additional Restrictions/Requirements:
Or permission of instructor.
Course Repeatability: Course may not be repeated. Major Restriction: PCOM and COM Majors

COM 383 - Audio Storytelling & Podcasting

Course Description:
Creation of audio-based projects in a variety of genres including IMC, news, sports, entertainment, and social media content. Topics include: voice development, project planning, scriptwriting, recording, editing, and promotion. Emphasis on proper audio acquisition, digital editing skills, and quality programming. Students complete a variety of productions working individually and in small groups.

Credit Hours: 3 Prerequisite or Corequisite Courses:

COM 200 or permission of instructor.

Additional Restrictions/Requirements:

PCOM or COM major or permission of instructor.

Course Repeatability: Course may not be repeated. Major Restriction: PCOM or COM Majors

COM 387 - Visual Communication: Digital and Print Design and Production

Course Description:

Learn the fundamental rhetorical principles and theories of graphic and layout design for effective communication. Students create artifacts using current technologies and available materials to meet diverse creative and rhetorical goals. Projects include technical documents, posters, magazines, and newsletters and other digital and print deliverables.

Credit Hours: 3 Additional Restrictions/Requirements:

Or permission of instructor.

Course Repeatability: Course may not be repeated. Major Restriction: COM Studies Majors

COM 388 - 3D Computer Animation II

Course Description:

Continued development of essential skills in both technical and artistic dimensions of 3D animation while using a high-end computer application. Through such skills, a short commercial or movie will be created.

Credit Hours: 3 Prerequisite Courses:

COM 288

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated.

COM 395 - Seminar in Communication Studies

Course Description:

Explorations of special topics in communication that are not dealt with in other courses. This course may be repeated under different subtitles. Additional restrictions may be required based on subtitle.

Credit Hours: 1 To 3 Additional Restrictions/Requirements:

COM Majors or permission of instructor.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 9 Repeat Limit: 2 Major Restriction: COM Majors

COM 400 - Communication Studies Capstone

Course Description:

Reflection and synthesis of philosophical, theoretical, and applied dimensions of curriculum and other experiences as they apply to personal and professional aspirations. Students engage in a variety of assignments that demonstrate senior-level competence in the discipline and the student's chosen sub-disciplines of study.

Credit Hours: 3 Prerequisite Courses:

COM 301 or COM 305.

Additional Restrictions/Requirements:

Senior COM Studies Majors

Course Repeatability: Course may not be repeated. Major Restriction: COM Studies

COM 413 - Storytelling & Social Identity

Course Description:

Emphasis on adapting real-life stories into interactive performances for audiences outside of the university classroom. Students develop skills in interviewing, observation, and understanding cultural contexts and diversity in order to develop scripts and performances.

Credit Hours: 3 Additional Restrictions/Requirements:

COM Major or permission of instructor.

University Studies: ["Approaches and Perspectives/Living in Our Diverse Nation","Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated. Major Restriction: COM

COM 415 - Performance Practicum

Course Description:

Explores all aspects of performance studies, from conception through production, by creating and staging creative performance programs. Maximum of three (3) credit hours may counted toward the major.

Credit Hours: 1 To 3 Prerequisite Courses: COM 116 or COM 211 Additional Restrictions/Requirements:

Prerequisite courses or consent of instructor.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 9

COM 420 - Critical Issues in Interpersonal Communication

Course Description:

A collaborative application of research skills to significant interpersonal relationship issues and contexts. Students will complete projects suitable for presentation at an undergraduate conference.

Credit Hours: 3 Prerequisite Courses:

(COM 326 or COM 320) and (COM 300 or COM 302)

Additional Restrictions/Requirements:

Prerequisite courses or consent of instructor.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated.

COM 421 - Nonverbal Communication

Course Description:

Study of messages conveyed through means other than words. Exploration of meaning constructed by touch, gesture, vocal qualities, posture, artifacts (clothing, jewelry, etc.), the built environment, space, and other modalities.

Credit Hours: 3 Additional Restrictions/Requirements:

COM majors or permission of instructor.

Course Repeatability: Course may not be repeated. Major Restriction: COM Majors

COM 424 - Understanding and Managing Communication Patterns

Course Description:

Emphasis on learning how to act into communication patterns as participants and interviewers with the goal of opening possibilities for creative action. Application to contexts including work, committees, social and personal relationships, and community action. Attention is given to emotional and cultural aspects of communication. Students will contribute situations for examination.

Credit Hours: 3 Prerequisite Courses:

COM 305 .

Additional Restrictions/Requirements:

Or permission of instructor.

University Studies: ["Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated. Major Restriction: COM Majors

COM 425 - Negotiation

Course Description:

Theoretical and practical perspectives of negotiation. Emphasis on negotiating techniques for use in business and interpersonal relationships. Explores differences between integrative and distributive bargaining.

Credit Hours: 3 Prerequisite Courses:

COM 223

Additional Restrictions/Requirements:

Prerequisite course and consent of instructor.

Course Repeatability: Course may not be repeated.

COM 431 - Integrated Marketing Communication: Brand Strategy & Research

Course Description:

Examines the role of research, branding, and strategic thinking in integrated marketing communication activities for clients in an applied learning environment. Uses qualitative, quantitative, interpretive and historical research methods to complete projects such as identity and naming, social media management, and visual brand identity.

Credit Hours: 3 Prerequisite Courses:

COM 334 or COM 338 .

Additional Restrictions/Requirements:

COM majors or permission of instructor.

University Studies: ["Building Competencies/Writing Intensive", "Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated. Major Restriction: COM Majors or permission of instructor

COM 436 - Contemporary Issues in Integrated Marketing Communication

Course Description:

Apply rhetorical and integrated marketing communications (IMC) vocabulary and theories to more deeply understand and evaluate contemporary issues and artifacts related to cases of branding, advertising, campaigns, and events.

Credit Hours: 3 University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated. Major Restriction: COM or Integrated Marketing Communication (IMC) Certificate

COM 438 - Integrated Marketing Communication: Event Design

Course Description:

Apply integrated marketing communication (IMC) strategies to event design in specific contexts such as conferences, professional meetings, celebratory events, and programs for community outreach. Students work with clients to research, plan, execute, and evaluate events and their communicative impact in an applied learning environment.

Credit Hours: 3 Prerequisite Courses:

COM 334 or COM 338

Additional Restrictions/Requirements:

Or permission of instructor.

Course Repeatability: Course may not be repeated. Major Restriction: COM or Integrated

COM 439 - Integrated Marketing Communication Practicum: Pier601

Course Description:

Applied learning experience in a student-run integrated marketing communication (IMC) firm. Students research, plan, create, and execute IMC and media production projects and are responsible for promoting the Pier601 brand, meeting client needs, and identifying new clients. Emphasizes collaboration, responsibility, cross-functional teams, professional and ethical standards and norms.

Credit Hours: 3 Additional Restrictions/Requirements:

Permission of instructor. Up to 9 credits applied to total credit hours, but a maximum of 3 credit hours will be applied to COM Studies major or Integrated Marketing Communication (IMC) certificate requirements.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 9 Repeat Limit: 2 Major Restriction: COM Majors or Integrated Marketing Communication (IMC) Certificate

COM 451 - Public Speaking II

Course Description:

Continued mastery of the five canons, public-address criticism, composition, and presentation skills across delivery modes (impromptu, extemporaneous, manuscript/memorized) and genres (informative, persuasive, ceremonial). Inspiration, humor and other topics.

Credit Hours: 3 Prerequisite Courses:

COM 101 or COM 256 or COM 378

Additional Restrictions/Requirements:

Prerequisite courses or consent of instructor.

Course Repeatability: Course may not be repeated.

COM 458 - Rhetoric of Faith Healing

Course Description:

Study of the persuasive strategies of religious faith healers. Emphasis on audiences, patterns of argument, organization, style, delivery, and ethics.

Credit Hours: 3 Prerequisite Courses:

COM 301 or COM 305 or permission of instructor.

Additional Restrictions/Requirements:

COM majors or permission of instructor.

University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may

not be repeated. Major Restriction: COM Majors or permission of instructor

COM 462 - U.S. Rhetoric during World War II

Course Description:

Application of rhetorical concepts and theories to artifacts from and about World War II. The historical and contemporary popular culture surrounding World War II is also explored and critiqued through multimedia projects.

Credit Hours: 3 Prerequisite Courses:

COM 301 , or permission of instructor.

Course Repeatability: Course may not be repeated. Major Restriction: COM Major

COM 465 - Media and Popular Culture

Course Description:

Exploration of the intersection between mass and social media and popular culture. Topics include media effects, cultural difference, fan experience and more. Students use media theories and rhetorical tools to conduct critical analysis of media artifacts. Students complete projects suitable for presentation at an undergraduate conference.

Credit Hours: 3 Additional Restrictions/Requirements:

Junior or senior standing.

University Studies: ["Explorations Beyond the Classroom", "Approaches and Perspectives/Living in Our Diverse Nation", "Building Competencies/Writing intensive"] Course Repeatability: Course may not be repeated. Major Restriction: Communication Studies Minor Restriction: Journalism

COM 473 - Communication Skills Training

Course Description:

Study and application of key principles for design and delivery of communication training. Focus is on needs assessment, creation and facilitation of instruction, and basic evaluation of training results.

Credit Hours: 3 Prerequisite Courses:

COM 272 or MGT 350 or permission of instructor

Additional Restrictions/Requirements:

PCOM or COM Major or permission of instructor.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated. Major Restriction: PCOM or COM Major or permission of instructor.

COM 474 - Contemporary issues in Organizational Communication

Course Description:

Exploration of emerging challenges and cases that influence or are affected by

organizations and organizational communication. Connections between intra-organizational communication, organizational cultural, and external communication choices will be examined from a variety of perspectives.
Credit Hours: 3 Prerequisite Courses:
COM 272 or MGT 350
Additional Restrictions/Requirements:
Senior class standing, prerequisite courses, or permission of instructor.
Course Repeatability: Course may not be repeated.

COM 480 - Field Video Production II

Course Description:
Application of advanced field video and editing techniques in the completion of substantial video projects in two or more of these areas: artistic/experimental, documentary, informational, promotional, news, or sports. Emphasis on development of creativity, and video storytelling, planning and technical skills. All projects are intended for festival submission, regional telecast, or produced for campus and regional clients.
Credit Hours: 3 Prerequisite Courses:
COM 380 and permission of instructor.
University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated. Major Restriction: COM

COM 481 - Demo Reel

Course Description:
Examination of contemporary demonstration reel practices and creation of a personal demo reel of previously produced work.
Credit Hours: 1 Additional Restrictions/Requirements:
Consent of instructor.
Course Repeatability: Course may not be repeated.

COM 482 - Studio Video Production II

Course Description:
Follow-up course in studio production offering students the opportunity to produce original content for a variety of outlets, including online and digital platforms. Student teams develop, plan, and produce professional quality programming in a variety of genres.
Credit Hours: 3 Prerequisite Courses:
COM 382
Additional Restrictions/Requirements:

Or permission of instructor.
Course Repeatability: Course may not be repeated. Major Restriction: COM majors

COM 483 - Television Production Workshop

Course Description:
Cumulative course combining field and studio television production techniques with the goal of creating unique programs intended for telecast on UNCW-TV. Student teams develop, plan, and produce professional quality television programs in a variety of genres.
Credit Hours: 4 Prerequisite Courses:
COM 305 , and COM 200 with a minimum grade of "B."
Additional Restrictions/Requirements:
Prerequisite courses and consent of instructor. Restricted to COM majors.
Course Repeatability: Course may not be repeated.

COM 486 - Digital Multimedia II

Course Description:
Providing students with the opportunity to gain in-depth knowledge about digital multimedia while using Adobe Photoshop, Adobe Illustrator, and Adobe InDesign. Emphasis on developing skills in digital multimedia for use in advertising, print, media, and electronic media.
Credit Hours: 3 Prerequisite Courses:
COM 286 or COM 387
Additional Restrictions/Requirements:
Prerequisite courses or consent of instructor.
Course Repeatability: Course may not be repeated.

COM 491 - Directed Individual Study

Course Description:
Involves investigation under faculty supervision beyond what is offered in existing upper-division courses. For further information, consult the Directed Individual Studies section in this catalogue.
Credit Hours: 1 To 6 Additional Restrictions/Requirements:
Restricted to junior and senior COM majors, with overall GPA of at least 2.50 and consent of instructor, department chair, and dean.
University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 9 Repeat Limit: 2-8 Major Restriction: COM

COM 495 - Advanced Seminar in Communication Studies

Course Description:

Advanced special topics in communication that are not dealt with in other courses. This course may be repeated under different subtitles. Additional restrictions may be required based on subtitle.

Credit Hours: 3 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 9 Repeat Limit: 2 Major Restriction: COM Majors

COM 498 - Internship in Communication Studies

Course Description:

Practical field experience within an organization, emphasizes reflection and application of communication theories, concepts and skills. May be repeated up to 3 times for 12 credit hours total, but only 3 credit hours count toward major. Does not fulfill COM 400-level additional course requirement.

Credit Hours: 3 or 6 Additional Restrictions/Requirements:

Restricted to junior and senior COM majors, with overall GPA of at least 2.5 and consent of instructor, department chair, and dean.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12 Repeat Limit: 3 Additional Fees Link:

Additional Course Fee Schedule

Major Restriction: COM Majors

COM 499 - Honors Work in Communication Studies

Course Description:

Independent study for honors students with expectation of completion of a thesis-level final project.

Credit Hours: 2 To 3 Prerequisite Courses:

COM 301 or COM 305

Additional Restrictions/Requirements:

Prerequisite courses with at least 3.2 overall GPA, senior class standing and COM major.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

COML 280 - Introduction to Digital Media Production Lab

Course Description:

Practical application of introductory digital video and audio production techniques and concepts. Includes experience with project planning, camera operation, lighting and sound gathering. Intended for students with a strong interest in field video production, studio television production, or audio production.

Credit Hours: 1 Corequisite Courses:

COM 280

Course Repeatability: Course may not be repeated.

CIT 110 - Fluency in Information Technology

Course Description:

Information representation, the Internet and HTML, algorithmic thinking and programming, language translation, modeling and abstraction, algorithmic complexity and non-computability, machine architecture and parallel computation, networks and communication, database principles, multimedia, social impacts of computing.

Credit Hours: 3 University Studies: ["Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

CIT 204 - Digital Media

Course Description:

Introduction to technologies of the Internet. Web-page design; graphics and animation; client/server concepts; collaborative computing and group work; network publishing; security and encryption; audio, video, and image compression; ethical issues and privacy; e-commerce; client-side Web programming; and dynamic Web-page generation.

Credit Hours: 3 Prerequisite Courses:

CIT 110 or CSC 105 or CSC 112

Additional Restrictions/Requirements:

Prerequisite courses or consent of instructor.

University Studies: ["Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

CIT 213 - Introduction to Databases: Techniques and Technologies

Course Description:

Fundamental concepts of database management systems, including advantages of using database management systems, data modeling, relational database design, query-building, security, privacy and ethical issues, and introductions to Web-based processing, Big Data concepts, and non-relational models.

Credit Hours: 3 Prerequisite Courses:

CIT 110

Course Repeatability: Course may not be repeated.

CIT 225 - Linux Administration

Course Description:

Install, configure, securely administer Linux operating system platforms. Topics

include Linux operating systems concepts, system installation and configuration, introduction to networking (protocols, IP addressing, ports, subnetting), security, firewalls, packet filtering, networked file systems, lightweight directory access protocol, virtualization, Linux-Windows integration, and Linux shell programming.
Credit Hours: 3 Prerequisite Courses:
CSC 121 or CSC 131 with a grade of "C-" or better in either course, or instructor approval.
Course Repeatability: Course may not be repeated.

CIT 275 - Topics in Information Technology

Course Description:
Topics of current interest relating to computer science or computer technology and its uses. May be repeated under different subtitles.
Credit Hours: 3 Additional Restrictions/Requirements:
Consent of instructor.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

CIT 291 - Introductory Research in Information Technology

Course Description:
Research under faculty supervision beyond what is offered in existing courses.
Credit Hours: 3 Additional Restrictions/Requirements:
Freshman or Sophomore standing, and consent of department chair or program coordinator.
University Studies: [""] Course Repeatability: Course may not be repeated. Additional Course Fees: [""] Equivalent Courses: [""]

CIT 301 - Cloud Computing & Virtualization

Course Description:
Survey, configuration, and deployment of cloud computing technologies and services, including but not limited to: virtualization environments, SaaS, PaaS, DaaS, IaaS, mass storage, virtualization compute resources, SQL and non-SQL databases, cloud development tools, deployment models, load balancing, automatic provisioning, Internet of Things, VPNs, firewalls, security, two-factor authentication, legal/privacy issues.
Credit Hours: 3 Prerequisite or Corequisite Courses:
CSC 344 or MIS 320
Prerequisite Courses:
CIT 225 or CYBR 307
Course Repeatability: Course may not be repeated.

CIT 361 - Cloud DevOps

Course Description:

An exploration of DevOps practices in cloud environments. Students learn how to leverage cloud infrastructure, automation tools, and continuous integration/continuous deployment (CI/CD) pipelines to streamline development and delivery. Students are equipped to implement and manage cloud-based DevOps pipelines.

Credit Hours: 3 Prerequisite Courses:

CIT 301 and MIS 316

Course Repeatability: Course may not be repeated.

CIT 380 - Platform Technologies

Course Description:

Study of basic operation of platform technologies, including general purpose computers and peripherals, and communication infrastructure such as transmission systems (copper, wireless, optical fiber), networking and networking devices. Introduces digital data representation, including number systems and character encodings.

Credit Hours: 3 Prerequisite Courses:

CIT 225 and MIS 352 .

Course Repeatability: Course may not be repeated.

CIT 410 - Web Application Development

Course Description:

Structured approach to building and maintaining dynamic and interactive Web sites. Emphasis on application, design and development. Students gain a thorough understanding of server-side scripting, form validation, and Web-site security while advancing their understanding of database design principles and SQL. Students create a database-driven Website.

Credit Hours: 3 Prerequisite Courses:

MIS 310 or CSC 365 .

Course Repeatability: Course may not be repeated.

CIT 425 - Human-Computer Interfaces

Course Description:

Human-computer interaction for information technology professionals. Analysis and design of systems from the point of view of HCI.

Credit Hours: 3 Prerequisite Courses:

MIS 310

University Studies: ["Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated.

CIT 461 - Cloud Web Services

Course Description:

An in-depth exploration of a cloud platform including learning to use the platform to develop scalable, secure, and efficient web applications. Topics include serverless computing, databases, storage solutions, and APIs. Provides students with the tools to design and implement cloud-native web applications.

Credit Hours: 3 Prerequisite Courses:

CIT 361 and CYBR 431

Course Repeatability: Course may not be repeated.

CIT 475 - Topics in Information Technology

Course Description:

Topics of current interest in information technology not covered in existing courses. May be repeated under different subtitles.

Credit Hours: 3 Additional Restrictions/Requirements:

Senior standing and consent of instructor.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

CIT 491 - Directed Individual Study

Course Description:

Investigation under faculty supervision beyond what is offered in existing courses. Written experience report and oral presentation required. For further information, consult the

Depending on their interests and abilities, UNCW students may choose from several kinds of special courses and programs to individualize and otherwise enrich their studies.

- This course, designated as 491 in each department, involves investigation beyond what is offered in existing courses. To enroll in a Directed Individual Study, students must be a junior or senior. Additionally, students must have an overall grade point average of at least 2.00 and the approval of (1) the faculty member who will direct the study, (2) the departmental chairperson, and (3) the appropriate dean. Departmental criteria will include (1) the availability of the instructor (instructors may only supervise a limited number of independent studies each semester), (2) the appropriateness of and need for the proposed study in the student's program, (3) the availability of library and other research resources, and (4) the feasibility of completion of the proposed study in the allotted time. Students are limited to nine

credit hours of Directed Individual Study toward graduation requirements.

- Several departments within the College of Humanities, Social Sciences, and the Arts and the professional schools offer field experience courses as part of their semester or summer programs. Participating students conduct individual or group research under faculty guidance at selected areas within and outside the continental United States. Apart from the greater Wilmington area, field experience courses have been conducted in such places as the Florida Keys, Barbados, the Bahamas, Portugal, and parts of Central and South America.

- Raymond L. Burt, *coordinator*
  The German Studies Consortium links participating UNC institutions to facilitate the sharing of teaching and learning resources to enhance German Studies across The University of North Carolina system. This consortium offers a broad array of German Studies courses in the language, literature, and culture of the German-speaking countries taught by specialists in the field. The primary focus is on the sharing of upper-level German classes offered each semester on the North Carolina Information Superhighway. Participant universities include Appalachian State University, East Carolina University, North Carolina State University, the University of North Carolina at Asheville, the University of North Carolina at Charlotte, the University of North Carolina at Greensboro, University of North Carolina Wilmington, and Western Carolina University. For course details, visit the UNC Online Exchange.

- Regina Felix, *coordinator*
  The Portuguese Exhange links participating UNC institutions to facilitate the sharing of teaching and learning resources to enhance Portuguese language and Portugurese and Brazilian Studies across the University of North Carolina system. This exchange offers courses in the language, literature, and culture of the Portuguese-speaking countries taught by specialists in the field. Participant universities include Appalachian State University, North Carolina State University, the University of North Carolina Asheville, the University of North Carolina at Chapel Hill, the Unversity of North Carolina at Charlotte, the University of North

Carolina Wilmington, and Winston Salem State University. For course details, visit the UNC Online Exchange.

- Dave Graber, *coordinator*
  The Russian Studies Consortium links participating UNC institutions to facilitate the sharing of teaching and learning resources to enhance Russian Studies across The University of North Carolina system. This consortium offers a broad array of Russian Studies courses in the language, literature, history, film, society, and culture in the Russian-speaking countries, which can be taught in the target language and/or in translation by specialists with credentials in Russian Studies. The primary goal focuses on the sharing of elementary, intermediate, and upper level Russian Studies classes offered each semester as well as summer session courses on the North Carolina Information Superhighway and/or fully online. Participant universities include Appalachian State University, East Carolina University, North Carolina State University, The University of North Carolina at Charlotte, The University of North Carolina at Greensboro, and The University of North Carolina Wilmington. Courses are offered through the UNC Online Exchange.

- Raymond L. Burt, UNCW *coordinator*
  The UNC Language Assembly is a cooperative of the language departments of all 17 campuses of the UNC System, and serves the UNC System and the State of North Carolina by supporting the foreign language programs at the constituent institutions and by seeking to offer a wide diversity of foreign language choices to the students at all the UNC campuses. Students are not required to pay tuition at the other campus, since UNCW tuition applies to these courses as well. Courses are taught online or through videoconference technology. Students can directly enroll in language classes offered by campuses through the UNC Online Exchange.

- https://uncw.edu/myuncw/academics/graduate-school/forms

Graduate Courses Taken for Undergraduate Credit

Graduate courses at UNCW or other accredited institutions may be used to fulfill undergraduate requirements if approved by the course instructor, student's department chair, undergraduate dean, and the dean of the Graduate School. All other transfer credit policies apply. Permission forms may be obtained on the Graduate School forms page under the "Undergraduate Registration for Graduate Courses" section at https://uncw.edu/myuncw/academics/graduate-school/forms.

Graduate Course Taken as an Undergraduate to Later Apply to a Graduate Degree

Undergraduate students who wish to take graduate courses and later receive graduate credit for them must fill out a Docusign to obtain permission in advance from the course instructor, student's department chair and undergraduate dean, and the Graduate School for approval. Graduate courses taken under this provision may not be used to fulfill undergraduate degree requirements. Permission forms may be obtained on the Graduate School form page under the "Undergraduate Registration for Graduate Courses"
section https://uncw.edu/myuncw/academics/graduate-school/forms.

Credit for Approved Combined Degree Programs

Graduate courses used to fulfill an undergraduate degree requirement at UNCW may be applied to a graduate degree only when taken as part of an approved combined degree program. Courses applied toward an awarded degree may not be applied to a second degree except as described by specific degree programs.

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https://www.uncw.edu/global/

The Office of Global Partnerships and International Education is comprised of three units: Education Abroad, English Language Center, and the Office of International Students & Scholars.

Education Abroad

UNCW offers more than 800 education abroad opportunities in more than 50 countries. Options available include coursework taken abroad, international internships for academic credit, credit-bearing service-learning experiences, academic research, and virtual global learning opportunities. UNCW provides education abroad opportunities to suit nearly every major and credit earned through international programs may be applied towards a UNCW degree. Financial aid may be used in conjunction with education abroad programs and scholarships are available. Students may select from short-term and summer programs, as well as semester, year-long and two-year dual degree options.

All applications for any credit-bearing program abroad must be made through the Office of Global Partnerships and International Education.

UNCW students who study abroad retain their active UNCW student status and will not have to re-enroll upon return.

Eligibility requirements include:

- 18 years of age at the time of participation
- Good disciplinary standing
- 2.5+ cumulative grade point average
- Sophomore+ status (select programs are open to first-year students)
- Any program-specific requirements
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Several programs in the College of Humanities, Social Sciences, and the Arts, College of Science and Engineering, College of Education, College of Health and Human Services, and the Cameron School of Business offer students the opportunity to earn academic credit within a work environment external to the

program. The purpose of the internship experience is to enhance, supplement, and integrate the learning that occurs in formal classroom settings. Permission of the dean and program offering the internship is required to enroll, and the program places limits on the number of credit hours earned applicable toward graduation. Internships designated by a 498 number will be graded on a Pass (P), Fail (F) basis. These credit hours earned will count towards the number of hours required to graduate, but the grade of Pass (P) will be excluded from the computation of the GPA. For further information on internships, refer to the courses numbered 498 in the course listings and then contact the departments offering them.

- The North Carolina Child Welfare Education Collaborative is a university-agency partnership that ensures a quality work force in child welfare settings. The educational goal of this program is to directly address the workforce need for social workers in child welfare settings. Administered by the Jordan Institute for Families, the collaborative includes North Carolina social work education programs, the NC Division of Social Services, the NC Association of County Directors of Social Services and the NC Chapter of the National Association of Social Workers. Educating, training, and supporting current and future social workers in child welfare meets the goal of strengthening families and protecting children. The collaborative offers focused educational courses, training and field experience in child welfare agencies. Participating universities include Appalachian State University, University of North Carolina at Chapel Hill, East Carolina University, North Carolina State University, Joint Masters of Social Work Program at University of North Carolina at Greensboro and North Carolina Agricultural and Technical State University, and University of North Carolina Wilmington.

- The Reverse Transfer Program is a collaborative effort between North Carolina's Community Colleges and the University of North Carolina's 16 constituent institutions. Students who transfer to UNC Wilmington from one of the 58 North Carolina community colleges are given the opportunity to combine the credits earned at UNCW with credit already earned at the community college to determine if the associate degree requirements have been met. Students have the opportunity to opt-in to this program at the time of admission as a transfer student. There is no cost to participate. For more information, contact the Office of the Registrar.

Eligibility: Students must have earned at least 16 college-level credit hours at one community college applicable towards their degree, to be eligible to participate. After earning a total of 60 combined credits, the student's UNCW records will be sent back to their previous community college for evaluation. The community college will contact students via their UNCW email, with further details, if the Associate degree is awarded.

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Several UNCW courses employ service-learning opportunities. Service learning is an innovative method of teaching and learning that combines thoughtfully organized service to the community with other means of instruction. Community service-projects are integrated into and enhance the academic curriculum of students, fitting naturally into the philosophy and pedagogy of a variety of disciplines and fostering civic responsibility. Both students and the community benefit from service learning. Service-learning courses have several strengths, not the least of which is that they are adaptable to the needs of the community while providing structured time for the students to reflect on the service experience.

section in the catalogue.

Credit Hours: 1 To 3 Additional Restrictions/Requirements:

Junior or senior standing, overall GPA of at least 2.00.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

CIT 495 - Seminar in Information Technology

Course Description:

Research and discussion of selected topics in Information Technology. Oral presentation required.

Credit Hours: 1 Additional Restrictions/Requirements:

Junior or senior standing.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 3

CIT 498 - Internship in Information Technology

Course Description:

Academic training and practical experience through work in a private company or public agency. Faculty supervision and evaluation of all study and on-site activity. Written experience report and oral presentation required.

Credit Hours: 1 To 3 Additional Restrictions/Requirements:

Junior or senior standing.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Additional Fees Link:
Additional Course Fee Schedule

CIT 499 - Honors Work in Information Technology

Course Description:

Individual study for honors students.

Credit Hours: 2 To 3 Additional Restrictions/Requirements:

Eligibility for honors program.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

CSC 105 - Computing Competencies for College and the Workplace

Course Description:

College-level computing education for all majors focusing on software skills employers most frequently seek, technology-related social, legal and ethical issues, and foundational understanding of current digital technologies for efficient organization and effective communication. Students will choose one additional topic of interest such as business or graphic design.

Credit Hours: 3 University Studies: ["Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

CSC 112 - Introduction to Computer Programming

Course Description:

Introduction to programming in a high-level language. Algorithms, computer systems, data representation, survey of computer applications, elementary programming techniques, debugging and verification of programs. The language to be used will be specified in the schedule of classes. Recommended primarily for non computer science majors.

Credit Hours: 3 Prerequisite Courses:

MAT 112 or MAT 150 or MAT 160 .

University Studies: ["Foundations/Mathematics and Statistics"] Course Repeatability: Course may not be repeated.

CSC 121 - Programming Concepts I

Course Description:

Problem-solving methods and algorithms in a modern high-level programming language. Introduces classes and objects; control structures; arrays; characters and strings. Emphasis on programming style and the design, coding, and testing of complete programs.

Credit Hours: 4 Prerequisite Courses:

MAT 111 .

Additional Restrictions/Requirements:

Recommended primarily for information technology majors. Will not transfer to the computer science major or minor. A grade of "C" (2.00) or better is required to take MIS 316 . Available online only.

University Studies: ["Building Competencies/Quantitative and Logical Reasoning", "Foundations/Mathematics and Statistics"] Course Repeatability: Course may not be repeated.

CSC 131 - Introduction to Computer Science

Course Description:

Problem solving methods and algorithms in a modern high-level programming language. Introduces one or more programming environments. Emphasis on a programming style and the design, coding, and testing of complete programs. Recommended primarily for computer science majors.

Credit Hours: 4 Prerequisite Courses:

MAT 112 or MAT 150 or MAT 160 .

University Studies: ["Common Requirements/Critical Reasoning", "Foundations/Mathematics and Statistics"] Course Repeatability: Course may not be repeated. Additional Fees Link:

You must achieve a 'C' (2.00) or better if you intend to use this course as a prerequisite for another course.

CSC 133 - Discrete Mathematical Structures

Course Description:

Introduction to discrete mathematics applicable to computer science. Propositional and predicate logic, basic proof techniques, set algebra and Boolean algebra, recursion and induction, and introductory graphs and combinatorics.

Credit Hours: 3 Prerequisite Courses:

MAT 112 or MAT 150 or MAT 160 .

University Studies: ["Foundations/Mathematics and Statistics"] Course Repeatability: Course may not be repeated.

CSC 202 - AI Essentials: Understanding Artificial Intelligence

Course Description:

Introduction to Artificial Intelligence (AI) fundamentals for all majors with minimum/no computer programming skills. Exploration of AI concepts and machine learning (ML) techniques to learn when and how to use AI tools to solve problems and to create AI/ML predictive models. Practical applications of AI/ML for various domains will be studied to understand and leverage AI/ML technology.

Credit Hours: 3 Prerequisite Courses:

(Sophomore or higher with a declared major) and (a MAT 100-level course) or instructor approval.

Course Repeatability: Course may not be repeated.

CSC 220 - 3-D Computer Graphics Tools and Literacy

Course Description:

Project-based approach to learning fundamental principles of 3-D computer graphics using high-level software tools. Modeling of objects, geometrical transformations, surface algorithms, lighting and shading, alternative rendering techniques, and providing background skills necessary to create animated movies.

Credit Hours: 3 Prerequisite Courses:

Prerequisite: CSC 112 or CSC 131 . Prerequisite or corequisite: ART 260 or ART 282 .

Crosslisting:

ART 220 , FST 220

Course Repeatability: Course may not be repeated.

CSC 231 - Introduction to Data Structures

Course Description:

Study of basic data structures and their applications. Lists and trees; searching and sorting algorithms; hashing; analysis and design of efficient algorithms. Recommended for CSC majors only. A grade of 'C' (2.00) or better is required for taking courses for which CSC 231 is a prerequisite.

Credit Hours: 4 Corequisite Courses:

CSC 133

Prerequisite Courses:

CSC 131 with a minimum grade of C

Course Repeatability: Course may not be repeated.

CSC 242 - Computer Organization

Course Description:

Topics include data representation, CPU organization, I/O memory and communication, machine-level representation of programs, introduction to a modern instruction set, introduction to assembly language programming.

Credit Hours: 3 Prerequisite Courses:

CSC 131 with a minimum grade of C and CSC 133

Course Repeatability: Course may not be repeated.

CSC 275 - Topics in Computer Science and Technology

Course Description:

Topics of current interest relating to computer science or computer technology and its uses not covered in existing courses. May be repeated under a different subtitle.

Credit Hours: 1 to 4 Additional Restrictions/Requirements:

Consent of instructor.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 4 Repeat Limit: 2

CSC 291 - Introductory Research in Computer Science

Course Description:

Computer Science research under faculty supervision beyond what is offered in existing courses. Written experience report and oral presentation required.

Credit Hours: 1 Additional Restrictions/Requirements:

Freshman or Sophomore standing, overall GPA of at least 2.50 and a GPA in CS courses of at least 2.80, and consent of instructor and program coordinator.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 4 Repeat Limit: 3

CSC 302 - Introduction to Artificial Intelligence

Course Description:

Introduction to foundational topics on Artificial Intelligence and mathematical foundation suitable for the studies of AI. Topics include modern historical perspectives of AI, intelligent agents, search algorithms, machine learning, knowledge representation, ethical and societal implications of AI.

Credit Hours: 3 Prerequisite Courses:

CSC 231 with a minimum grade of "C" and MAT 161, or instructor approval.

Course Repeatability: Course may not be repeated.

CSC 310 - Introduction to Quantum Computing

Course Description:

Introduction to Quantum Computing. Topics include an introduction to quantum mechanics, Quantum Computer technologies, models for describing qubits, gates, and operations, superposition, entanglement, teleportation, quantum supremacy, and quantum algorithms.

Credit Hours: 3 Prerequisite or Corequisite Courses:

CSC 131 and (MAT 161 or higher) or instructor approval

Course Repeatability: Course may not be repeated.

CSC 315 - Mobile Application Development

Course Description:

Concepts and technologies for developing applications on mobile devices, including mobile-platform programming, memory-management, object-oriented paradigms,

model-view-controller design, mobile-centric frameworks for networking, multimedia, location-based services, and interface design. Application design, programming, and implementation for a current mobile platform.

Prerequisite Courses:

CSC 331 with a minimum grade of "C".

Course Repeatability: Course may not be repeated.

CSC 320 - Computer Animation

Course Description:

Basic principles of animation using 3-D computer-generated animation and basic processes for animating synthetic objects through structured exercises. Principles of designing and producing 3-D computer-generated animation through the creation of advanced motion studies. Projects focus on developing higher-level skills in model building, animation and color, and lighting.

Credit Hours: 3 Prerequisite Courses:

CSC 220

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Crosslisting:

ART 320 , FST 320

Course Repeatability: Course may not be repeated.

CSC 322 - Data & Machine Learning

Course Description:

Concepts/techniques in machine learning and multidisciplinary applications. Topics include data cleaning/transformation; data visualization; association/correlation rules; data classification and predictive modeling (such as SVMs); performance analysis and scalability; data mining with tabular, multi-dimensional and unstructured data, including text, audio, images; big-data frameworks (such as Spark, Hadoop, HIVE, Pig); and emerging themes and challenges.

Credit Hours: 3 Prerequisite Courses:

(CSC 231 or ISE 221) and MAT 161, or instructor approval.

Course Repeatability: Course may not be repeated.

CSC 324 - Cyber Operations

Course Description:

Cyber Operations will introduce various cyber operations concepts, with specific focus on the computing aspects. Topics covered will include: Basics of cyber operations including an overview of cybercrime; malware analysis; intrusion

detection and prevention; web application security; cybersecurity ethics.
Credit Hours: 3 Prerequisite Courses:
CSC 242 .
Course Repeatability: Course may not be repeated.

CSC 331 - Object-Oriented Programming and Design

Course Description:
Object-oriented programming with a focus on software modeling of objects, classes, methods, inheritance, interfaces, polymorphism, and multi-threading. Completion of a team software project is required.
Credit Hours: 3 Prerequisite Courses:
CSC 231 with a minimum grade of C.
Additional Restrictions/Requirements:
A grade of 'C' (2.00) or better is required for taking courses for which CSC 331 is a prerequisite.
Course Repeatability: Course may not be repeated.

CSC 340 - Scientific Computing

Course Description:
Introduction to the design, application, and performance of numerical algorithms fundamental to scientific computation. Topics may include error and error propagation; matrix applications such as finding solutions to linear systems, finding eigenvalues and eigenvectors, or finding linear principal components; optimization; basic Markov modeling; Fourier processing; and curve fitting. Emphasizes relative merits and implementations of algorithms.
Credit Hours: 3 Prerequisite Courses:
CSC 231 with a minimum grade of C and MAT 162
Course Repeatability: Course may not be repeated.

CSC 342 - Operating Systems

Course Description:
Study of the internal operations of operating system. Topics include system services; CPU scheduling; multi-core scheduling; threading; computer security; privileges vs. user modes; memory management; virtual memory; file systems; disk scheduling; concurrent processes; semaphores; critical sections; synchronization.
Credit Hours: 3 Prerequisite or Corequisite Courses:
CSC 331 with a minimum grade of "C", or instructor approval.
Prerequisite Courses:
CSC 242 .

Course Repeatability: Course may not be repeated.

CSC 344 - Computer Networks

Course Description:

Introduction to computer networks, focusing on Internet architecture and protocols. Topics include layered network architectures, addressing, naming, forwarding, routing, communication reliability, client-server model, distributed computing, web and email protocols, and network security. Students acquire practical experience by using a network protocol analyzer and programming reduced versions of real Internet protocols.

Credit Hours: 3 Prerequisite or Corequisite Courses:

CSC 231 or CYBR 251, or instructor approval.

Course Repeatability: Course may not be repeated.

CSC 350 - Secure Programming

Course Description:

Foundation for programming secure software applications. Introduction to the mechanics of code exploitation, including programming principles that guard against software vulnerabilities. Considers overflows, input sanitization, password security, command injection, web application vulnerabilities, development and testing for secure software and sound security fundamentals, and core concepts in web applications and database development.

Credit Hours: 3 Prerequisite Courses:

CSC 331 with a minimum grade of "C" or instructor approval.

Course Repeatability: Course may not be repeated.

CSC 351 - Applied Software Security

Course Description:

Introduction to the development of secure software applications. Consideration of software vulnerability analysis, secure programming best practices, overflows, input sanitization, password security, command injection, database development, and web application development and vulnerabilities. Design, analysis, and implementation of a secure web application.

Credit Hours: 3 Prerequisite Courses:

CSC 231 with a grade of C or better, or CYBR 251 with a grade of C or better, or instructor approval.

Course Repeatability: Course may not be repeated.

CSC 355 - Database Design and Implementation

Course Description:

Introduction to database concepts and database management systems. Topics include data models (hierarchical, network, relational, parallel, distributed and NoSQL), data modeling, data description languages, data manipulation languages, database administration, data warehouses, and front-end development. A group project designing and implementing a relational database is required.

Prerequisite Courses:

CSC 231 (with a minimum grade of C)

Additional Restrictions/Requirements:

Junior or senior standing, or permission of instructor**.**

Course Repeatability: Course may not be repeated.

CSC 360 - Formal Languages and Computability

Course Description:

An introduction to theoretical computer science. Topics include regular expression and finite state concepts; basic automata theory; formal grammars and languages; computability; Turing machines; elementary recursive function theory.

Credit Hours: 3 Prerequisite Courses:

CSC 231 with a minimum grade of C and CSC 242

Course Repeatability: Course may not be repeated.

CSC 364 - Introduction to Cryptography

Course Description:

Formalizing security, hash functions, symmetric and public-key encryptions are some of the main topics of this course. Early ciphers like the Caesar shift and the Vigenère cipher and modern techniques like RSA, Diffie-Hellman protocol and their theoretical foundations, practical applications and the vulnerabilities of each encryption system will be discussed.

Credit Hours: 3 Prerequisite Courses:

CSC 133 and CSC 231 with a grade of C or higher or CYBR 251 with a grade of C or higher.

Course Repeatability: Course may not be repeated.

CSC 365 - Client-Side Web Development

Course Description:

Development of applications for the World Wide Web focusing on client-side languages. Introduction to current principles, standards, and best practices in website design, usability, accessibility, and management through project-based skills. Development in standards-compliant markup, styling, and scripting, including web services programming.

Credit Hours: 3 Prerequisite Courses:

CSC 231 or permission of instructor.

Course Repeatability: Course may not be repeated.

CSC 368 - Visual Design for Multi-Media

Course Description:

Combined studio/lecture course that examines technologies and basic principles of the Internet specific to visual interface design and interactivity. Topics covered include technical, functional, and aesthetic issues related to basic graphic design and page design principles; site planning and implementation; graphic production using software and designing for user experience.

Credit Hours: 3 Prerequisite Courses:

CSC 231 with a minimum grade of "C" and ART/CSC/FST 220

University Studies: ["Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

CSC 370 - Computer Graphics

Course Description:

Introduction to geometric modeling for graphic programming. Topics include transformations for modeling, viewing, and projection; geometric modeling of curves and surfaces; hidden-surface removal; clipping; graphical buffers; material simulation; texture mapping; and lighting.

Credit Hours: 3 Prerequisite Courses:

CSC 231 with a minimum grade of C and MAT 162

Course Repeatability: Course may not be repeated.

CSC 371 - Game Engine Programming

Course Description:

Coverage of practical concepts related to game engine development. Topics include collision detection, rigid body motion, physics simulations, animation systems, audio, rendering, and game loop architecture.

Prerequisite Courses:

CSC 231 (with a minimum grade of C) and MAT 162

Course Repeatability: Course may not be repeated.

CSC 380 - Design and Analysis of Algorithms

Course Description:

Algorithm design paradigms such as divide and conquer, greedy, and dynamic programming; techniques for algorithm analysis, such as asymptotic notations and estimates, as well as time/space trade-offs. Topics may include sorting, searching,

scheduling, string matching, graph algorithms, amortized analysis, and computational geometry.
Credit Hours: 3 Prerequisite Courses:
CSC 133 and CSC 231 with a minimum grade of C and MAT 161
Course Repeatability: Course may not be repeated.

CSC 385 - Professional and Ethical Issues in Computing

Course Description:
Professional and ethical issues arising from the impact of computer science and related technologies on society. Topics include ethical issues, obligations of professional practice, privacy and security, intellectual property, work and health issues, and the impact of emerging technologies. Students give both oral and written presentations and discuss case studies.
Credit Hours: 3 Prerequisite Courses:
ENG 101, and (CSC 131 with a minimum grade of "C").
Additional Restrictions/Requirements:
Junior or senior standing in computer science or information technology or Digital Arts or Software Engineering
University Studies: ["Building Competencies/Writing Intensive", "Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated. Major Restriction: Computer Science or Information Technology or Digital Arts or Software Engineering Minor Restriction: Computer Science or Information Technology or Digital Arts or Software Engineering

CSC 402 - Advanced Artificial Intelligence

Course Description:
Advanced principles related to the field of Artificial Intelligence. Applications of AI in game trees, decision systems, artificial neural networks, Bayesian networks, intelligent multi-agent systems and fundamentals of reinforcement learning.
Credit Hours: 3 Prerequisite Courses:
CSC 302 , or instructor approval.
Course Repeatability: Course may not be repeated.

CSC 421 - Game Development

Course Description:
Design and implementation of computer games, including design, modeling, and animation of meshes for game characters and environments using 3D software, scene and object representation, graphics pipeline, collision detection, picking, graphics optimization, basic physics and Artificial Intelligence for games, and code

modifications and additions for a game engine.
Credit Hours: 3 Prerequisite or Corequisite Courses:
CSC 320 or CSC 370 .
Prerequisite Courses:
CSC 220 and (CSC 331 with a minimum grade of C).
Course Repeatability: Course may not be repeated.

CSC 424 - Security Tools Engineering

Course Description:
Design and implementation of software solutions to achieve security goals using data captured on computer systems and networks. Topics include advanced network forensics, network defense tools and principles, and advanced intrusion detection and prevention implementations.
Credit Hours: 3 Prerequisite Courses:
(CSC 231 with a C or better or CYBR 251 with a C or better) and (CSC 344 or MIS 320)
Crosslisting:
CYBR 424.
Course Repeatability: Course may not be repeated.

CSC 427 - Quantum Cryptography

Course Description:
Explores the use of quantum effects, such as quantum entanglement and uncertainty, to implement cryptographic tasks with levels of security that are impossible to achieve classically. Quantum cryptography is an alternative approach in which cryptographic schemes that are resistant to quantum adversaries are proposed.
Credit Hours: 3 Prerequisite Courses:
CSC 364 .
Course Repeatability: Course may not be repeated.

CSC 430 - Digital Visual Effects

Course Description:
Exploration of digital image and video representation and manipulation for motion-picture visual effects. Topics include image storage and compression, film and video formats, compositing, filtering, scripting for graphics and visual effects, photorealistic lighting and rendering, virtual cinematography, camera tracking, and particle effects.
Credit Hours: 3 Prerequisite Courses:
(CSC 370 or ART 320 or FST 320), or CSC 370 .

Crosslisting:

FST 430

Course Repeatability: Course may not be repeated.

CSC 432 - Deep Machine Learning

Course Description:

Advanced topics in deep machine learning and exploration of innovative paradigms that illuminate the future of machine learning. Capstone format emphasizing experiential approaches to solving real problems with deep machine learning.

Credit Hours: 3 Prerequisite Courses:

CSC 322 or Instructor Approval

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

CSC 433 - Natural Language Processing

Course Description:

Introduction to natural language processing, computational linguistics, and speech recognition. Exploration of both symbolic and stochastic algorithms for processing human languages. Topics include parsing, part of speech tagging, semantic representation, pragmatic analysis, discourse structure, machine translation, n-gram statistical models, Hidden Markov Models, and other stochastic techniques.

Credit Hours: 3 Prerequisite Courses:

Prerequisite: CSC 331 with a minimum grade of C. Prerequisite or Corequisite: CSC 360 , or instructor approval.

Course Repeatability: Course may not be repeated.

CSC 434 - Programming Languages

Course Description:

Comparative study of programming languages from both theoretical and applied viewpoints. Typical issues include syntax and semantics, scope and binding times, storage allocation, parameter-passing techniques, control structures, run-time representation of programs and data. Detailed examples from the imperative, functional, parallel, object-oriented, and logical programming paradigms.

Credit Hours: 3 Prerequisite Courses:

CSC 331 with a minimum grade of C and CSC 360

Course Repeatability: Course may not be repeated.

CSC 437 - Parallel Computing

Course Description:

Implementation of scientific algorithms in parallel. Use of shared-memory, distributed-memory, and multicore technologies. Study of techniques for improved

performance and issues related to speedup and slowdown.
Credit Hours: 3 Prerequisite Courses:
CSC 340
Crosslisting:
CSC 537
Course Repeatability: Course may not be repeated.

CSC 442 - Computer System Architecture

Course Description:
Advanced study of the architecture of computer systems. Common processor organizations, hardwired and micro-programmed control, input/output subsystem; bus control; programmed I/O; DMA and interrupts; memory subsystem; interleaved, cache and associative memory; cache design; instruction pipelines, arithmetic pipelines, and their scheduling, RISC and CISC architectures, common multiprocessor architectures.
Credit Hours: 3 Prerequisite Courses:
CSC 342
Course Repeatability: Course may not be repeated.

CSC 446 - Grid Computing

Course Description:
Grid computing software components, standards, web services, security mechanisms, schedulers, resource brokers, workflow editors, grid portals, and grid computing applications.
Credit Hours: 3 Prerequisite Courses:
CSC 380
Crosslisting:
CSC 546
Course Repeatability: Course may not be repeated.

CSC 450 - Software Engineering

Course Description:
Study of the design and production of large and small software systems. Topics include systems engineering, software life-cycle and characterization, use of software tools, and software quality attributes including product security. Substantial software project required.
Credit Hours: 3 Prerequisite Courses:
CSC 331 with a minimum grade of C.
Additional Restrictions/Requirements:

Senior standing.

University Studies: ["Building Competencies/Writing Intensive", "Explorations Beyond the Classroom", "Critical Reasoning"] Course Repeatability: Course may not be repeated. Major Restriction: Computer Science, B.S., Three-Plus-Two Computer Science and Electrical or Computer Engineering Program Minor Restriction: Computer Science

CSC 451 - Software Assurance

Course Description:

Introduction to quality assurance, reliability, security in software engineering. Topics include quality/security requirements and specifications; design and code review; techniques for static and dynamic analysis of software; software metrics; advanced testing techniques; reliability growth modeling. Emphasis on software security engineering provided, including threat modeling, secure design principles, secure development processes. Course provides practical application of strategies and principles learned.

Credit Hours: 3 Prerequisite Courses:

Prerequisite or Corequisite: CSC 450 , or instructor approval.

Course Repeatability: Course may not be repeated.

CSC 452 - Computer Vision

Course Description:

Analysis of how real-world information can be computationally extracted from visual data. Foundation in digital image formation and processing, feature extraction and matching, and classification. Examination of a focused area of computer vision in-depth and analysis of classical and learning-based methods for performing a specific task such as object/scene recognition and retrieval, video tracking, or 3D reconstruction.

Credit Hours: 3 Prerequisite Courses:

CSC 340 or ISE 251, or instructor approval.

Course Repeatability: Course may not be repeated.

CSC 457 - Compiler Construction

Course Description:

Study of programming language translation. Organization of a compiler including symbol tables, lexical scan, syntax scan, object code generation, error diagnostics, object code optimization, and overall design; compilation of simple expressions and statements; use of compiler writing tools. Substantial software project required.

Credit Hours: 3 Prerequisite Courses:

CSC 434

Additional Restrictions/Requirements:

Senior standing.

Course Repeatability: Course may not be repeated.

CSC 458 - Software Practicum

Course Description:

Capstone experience that applies skills acquired across the CSC major. Students define, implement, and test a software system created for an external customer. Software engineering concepts and techniques applied in a team project with a sizable software deliverable. All aspects of the software lifecycle are implemented.

Credit Hours: 3 Prerequisite Courses:

CSC 450 .

University Studies: ["Common Requirements/Critical Reasoning", "Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated.

CSC 461 - Virtual Reality

Course Description:

Study of the fundamentals of virtual reality (VR) and virtual environment technology (VET). Topics include human perception and cognition; scientific research, training, and industry; building good user experiences; and other topics. Students are required to develop a VR-based application as a final project and paper.

Credit Hours: 3 Prerequisite Courses:

CSC 331 with a grade of "C" or better.

Course Repeatability: Course may not be repeated.

CSC 464 - Advanced Cryptography and Cryptanalysis

Course Description:

Examination of advanced constructs in modern cryptography, including Diffie-Hellman key exchange, Merkle trees, ElGamal encryption, and fully homomorphic encryption. Introduction to cryptanalysis techniques for analyzing and decoding ciphers.

Credit Hours: 3 Prerequisite Courses:

CSC 364

Course Repeatability: Course may not be repeated.

CSC 465 - Server-Side Web Development

Course Description:

Hands-on development of dynamic web applications via server-side languages and corresponding database APIs; implementation of industry best practices regarding

data; secure authentication; digital certificates; session-handling; introduction to cryptography and e-commerce. Practical experience with form validation and website security using database principles and query techniques.
Credit Hours: 3 Prerequisite or Corequisite Courses:
CSC 365 or permission of instructor.
Course Repeatability: Course may not be repeated.

CSC 466 - Malware Analysis

Course Description:
Fundamentals of basic malware analysis through static and behavioral analysis of malicious software. Coverage of the compilation process that takes human readable code to compiled machine readable code and to numerous tools used for malware analysis.
Credit Hours: 3 Prerequisite Courses:
((CYBR 251 with a C or higher or CSC 231 with a C or higher) and (CSC 344 or MIS 320)) or ISE 250
Course Repeatability: Course may not be repeated.

CSC 468 - Reverse Engineering

Course Description:
Coverage of the binary analysis skills necessary to discover the true nature of any executable binary. Examination of the high-level language constructs, including branching statements, looping functions and network socket code, critical to performing a thorough and professional reverse engineering analysis of a binary file.
Credit Hours: 3 Prerequisite Courses:
CYBR 251 with a C or better or (CSC 231 with a C or better and CSC 242) or ISE 250
Course Repeatability: Course may not be repeated.

CSC 470 - Hardware Security

Course Description:
Overview of computer hardware security. Topics include side channel attacks, physical unclonable functions, TRNG, supply chain management, hardware Trojans, the power grid, and smart cities.
Credit Hours: 3 Prerequisite Courses:
((CYBR 251 with a C or better or CSC 242) and (CSC 344 or MIS 320)) or ISE 250
Course Repeatability: Course may not be repeated.

CSC 471 - Real Time Programming for Gaming Systems

Course Description:

Application of software engineering methods to develop complex scene and character reactions in real time under frame rate management and time constraints. Considers project management, time and frame rate management, low polygon asset construction, 3D environment building, latency and playback improvement, design, development, testing, production, and game engine maintenance.

Credit Hours: 3 Prerequisite Courses:

CSC 370 or CSC 371

Course Repeatability: Course may not be repeated.

CSC 472 - Generative Deep Learning

Course Description:

Introduction to deep learning tools for generation of images, text data, music, and autonomous vehicle controls. Explores the difference between discriminative models and generative models. Topics include the design and construction of models using autoencoders, variational autoencoders, generative and adversarial networks. Requires a generative capstone project.

Credit Hours: 3 Prerequisite Courses:

(CSC 340 or ISE 251), and CSC 322, or instructor approval.

Course Repeatability: Course may not be repeated.

CSC 475 - Topics in Computer Science

Course Description:

Topics of current interest in computer science not covered in existing courses. May be repeated under a different subtitle.

Credit Hours: 1 to 4 Additional Restrictions/Requirements:

Senior standing and consent of instructor.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 8 Repeat Limit: 2

CSC 491 - Directed Individual Study

Course Description:

Investigation under faculty supervision beyond what is offered in existing courses. Written experience report and oral presentation required. For further information, consult the

Depending on their interests and abilities, UNCW students may choose from several kinds of special courses and programs to individualize and otherwise enrich their studies.

- This course, designated as 491 in each department, involves investigation beyond what is offered in existing courses. To enroll in a Directed Individual Study, students must be a junior or senior. Additionally, students must have an overall grade point average of at least 2.00 and the approval of (1) the faculty member who will direct

the study, (2) the departmental chairperson, and (3) the appropriate dean. Departmental criteria will include (1) the availability of the instructor (instructors may only supervise a limited number of independent studies each semester), (2) the appropriateness of and need for the proposed study in the student's program, (3) the availability of library and other research resources, and (4) the feasibility of completion of the proposed study in the allotted time. Students are limited to nine credit hours of Directed Individual Study toward graduation requirements.

- Several departments within the College of Humanities, Social Sciences, and the Arts and the professional schools offer field experience courses as part of their semester or summer programs. Participating students conduct individual or group research under faculty guidance at selected areas within and outside the continental United States. Apart from the greater Wilmington area, field experience courses have been conducted in such places as the Florida Keys, Barbados, the Bahamas, Portugal, and parts of Central and South America.

- Raymond L. Burt, *coordinator*
  The German Studies Consortium links participating UNC institutions to facilitate the sharing of teaching and learning resources to enhance German Studies across The University of North Carolina system. This consortium offers a broad array of German Studies courses in the language, literature, and culture of the German-speaking countries taught by specialists in the field. The primary focus is on the sharing of upper-level German classes offered each semester on the North Carolina Information Superhighway. Participant universities include Appalachian State University, East Carolina University, North Carolina State University, the University of North Carolina at Asheville, the University of North Carolina at Charlotte, the University of North Carolina at Greensboro, University of North Carolina Wilmington, and Western Carolina University. For course details, visit the UNC Online Exchange.

- Regina Felix, *coordinator*
  The Portuguese Exhange links participating UNC institutions to facilitate the sharing of teaching and learning resources to enhance Portuguese language and

Portugurese and Brazilian Studies across the University of North Carolina system. This exchange offers courses in the language, literature, and culture of the Portuguese-speaking countries taught by specialists in the field. Participant universities include Appalachian State University, North Carolina State University, the University of North Carolina Asheville, the University of North Carolina at Chapel Hill, the Unversity of North Carolina at Charlotte, the University of North Carolina Wilmington, and Winston Salem State University. For course details, visit the UNC Online Exchange.

- Dave Graber, *coordinator*
  The Russian Studies Consortium links participating UNC institutions to facilitate the sharing of teaching and learning resources to enhance Russian Studies across The University of North Carolina system. This consortium offers a broad array of Russian Studies courses in the language, literature, history, film, society, and culture in the Russian-speaking countries, which can be taught in the target language and/or in translation by specialists with credentials in Russian Studies. The primary goal focuses on the sharing of elementary, intermediate, and upper level Russian Studies classes offered each semester as well as summer session courses on the North Carolina Information Superhighway and/or fully online. Participant universities include Appalachian State University, East Carolina University, North Carolina State University, The University of North Carolina at Charlotte, The University of North Carolina at Greensboro, and The University of North Carolina Wilmington. Courses are offered through the UNC Online Exchange.

- Raymond L. Burt, UNCW *coordinator*
  The UNC Language Assembly is a cooperative of the language departments of all 17 campuses of the UNC System, and serves the UNC System and the State of North Carolina by supporting the foreign language programs at the constituent institutions and by seeking to offer a wide diversity of foreign language choices to the students at all the UNC campuses. Students are not required to pay tuition at the other campus, since UNCW tuition applies to these courses as well. Courses are taught online or through videoconference technology. Students can directly enroll in language classes offered by campuses through the UNC Online Exchange.

- https://uncw.edu/myuncw/academics/graduate-school/forms

Graduate Courses Taken for Undergraduate Credit

Graduate courses at UNCW or other accredited institutions may be used to fulfill undergraduate requirements if approved by the course instructor, student's department chair, undergraduate dean, and the dean of the Graduate School. All other transfer credit policies apply. Permission forms may be obtained on the Graduate School forms page under the "Undergraduate Registration for Graduate Courses" section at https://uncw.edu/myuncw/academics/graduate-school/forms.

Graduate Course Taken as an Undergraduate to Later Apply to a Graduate Degree

Undergraduate students who wish to take graduate courses and later receive graduate credit for them must fill out a Docusign to obtain permission in advance from the course instructor, student's department chair and undergraduate dean, and the Graduate School for approval. Graduate courses taken under this provision may not be used to fulfill undergraduate degree requirements. Permission forms may be obtained on the Graduate School form page under the "Undergraduate Registration for Graduate Courses"
section https://uncw.edu/myuncw/academics/graduate-school/forms.

Credit for Approved Combined Degree Programs

Graduate courses used to fulfill an undergraduate degree requirement at UNCW may be applied to a graduate degree only when taken as part of an approved combined degree program. Courses applied toward an awarded degree may not be applied to a second degree except as described by specific degree programs.

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https://www.uncw.edu/global/
The Office of Global Partnerships and International Education is comprised of three units: Education Abroad, English Language Center, and the Office of International Students & Scholars.

Education Abroad

UNCW offers more than 800 education abroad opportunities in more than 50 countries. Options available include coursework taken abroad, international internships for academic credit, credit-bearing service-learning experiences, academic research, and virtual global learning opportunities. UNCW provides education abroad opportunities to suit nearly every major and credit earned through international programs may be applied towards a UNCW degree. Financial aid may be used in conjunction with education abroad programs and scholarships are available. Students may select from short-term and summer programs, as well as semester, year-long and two-year dual degree options.
All applications for any credit-bearing program abroad must be made through the Office of Global Partnerships and International Education.
UNCW students who study abroad retain their active UNCW student status and will not have to re-enroll upon return.
Eligibility requirements include:

- 18 years of age at the time of participation
- Good disciplinary standing
- 2.5+ cumulative grade point average
- Sophomore+ status (select programs are open to first-year students)

- Any program-specific requirements
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Several programs in the College of Humanities, Social Sciences, and the Arts, College of Science and Engineering, College of Education, College of Health and Human Services, and the Cameron School of Business offer students the opportunity to earn academic credit within a work environment external to the program. The purpose of the internship experience is to enhance, supplement, and integrate the learning that occurs in formal classroom settings. Permission of the dean and program offering the internship is required to enroll, and the program places limits on the number of credit hours earned applicable toward graduation. Internships designated by a 498 number will be graded on a Pass (P), Fail (F) basis. These credit hours earned will count towards the number of hours required to graduate, but the grade of Pass (P) will be excluded from the computation of the GPA. For further information on internships, refer to the courses numbered 498 in the course listings and then contact the departments offering them.

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The North Carolina Child Welfare Education Collaborative is a university-agency partnership that ensures a quality work force in child welfare settings. The educational goal of this program is to directly address the workforce need for social workers in child welfare settings. Administered by the Jordan Institute for Families, the collaborative includes North Carolina social work education programs, the NC Division of Social Services, the NC Association of County Directors of Social Services and the NC Chapter of the National Association of Social Workers. Educating, training, and supporting current and future social workers in child welfare meets the goal of strengthening families and protecting children. The collaborative offers focused educational courses, training and field experience in child welfare agencies. Participating universities include Appalachian State University, University of North Carolina at Chapel Hill, East Carolina University, North Carolina State University, Joint Masters of Social Work Program at University of North Carolina at Greensboro and North Carolina Agricultural and Technical State University, and University of North Carolina Wilmington.

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The Reverse Transfer Program is a collaborative effort between North Carolina's Community Colleges and the University of North Carolina's 16 constituent

institutions. Students who transfer to UNC Wilmington from one of the 58 North Carolina community colleges are given the opportunity to combine the credits earned at UNCW with credit already earned at the community college to determine if the associate degree requirements have been met. Students have the opportunity to opt-in to this program at the time of admission as a transfer student. There is no cost to participate. For more information, contact the Office of the Registrar.
Eligibility: Students must have earned at least 16 college-level credit hours at one community college applicable towards their degree, to be eligible to participate. After earning a total of 60 combined credits, the student's UNCW records will be sent back to their previous community college for evaluation. The community college will contact students via their UNCW email, with further details, if the Associate degree is awarded.

- Several UNCW courses employ service-learning opportunities. Service learning is an innovative method of teaching and learning that combines thoughtfully organized service to the community with other means of instruction. Community service-projects are integrated into and enhance the academic curriculum of students, fitting naturally into the philosophy and pedagogy of a variety of disciplines and fostering civic responsibility. Both students and the community benefit from service learning. Service-learning courses have several strengths, not the least of which is that they are adaptable to the needs of the community while providing structured time for the students to reflect on the service experience.

section in this catalogue.
Credit Hours: 1 To 3 Additional Restrictions/Requirements:
Junior or senior standing, overall GPA of at least 2.00 and a GPA in CSC courses of at least 2.80, and consent of instructor, department chair, and dean.
University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

CSC 495 - Seminar in Computer Science

Course Description:
Research and discussion of selected topics in computer science. Oral presentation required.
Credit Hours: 1 Additional Restrictions/Requirements:
Junior or senior standing and consent of instructor.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 3

CSC 498 - Internship in Computer Science

Course Description:

Academic training and practical experience through work in a private company or public agency. Faculty supervision and evaluation of all study and on-site activity. Open to students of junior or senior standing who have been approved by the faculty supervisor, department chair, and dean. Written experience report and oral presentation required.

Credit Hours: 1 To 3 Additional Restrictions/Requirements:

Junior or senior standing, overall GPA of at least 2.50 and a GPA in CSC courses of at least 2.80.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated. Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:

Additional Course Fee Schedule

CSC 499 - Honors Work in Computer Science

Course Description:

Individual study for honors students.

Credit Hours: 2 To 3 Additional Restrictions/Requirements:

Eligibility for honors program.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

CRW 201 - Introduction to Creative Writing

Course Description:

Introduction to the principles and techniques of creative writing, aimed at developing the creative process. Includes lectures, reading, and writing exercises in poetry, fiction, and creative nonfiction.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives"] Course Repeatability: Course may not be repeated.

CRW 203 - The Evolution of Creative Writing: Fiction, Poetry, and Creative Nonfiction

Course Description:

Introduction to the historical development of poetic, narrative, and other forms of creative writing. Analytical and creative assignments develop student understanding of techniques such as metrics, point of view, and narrative structure. This course is a core requirement for the CRW major and CRW minor.

Credit Hours: 3 University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

CRW 207 - Fiction Writing I: Invention and Story Craft

Course Description:

Instruction in writing fiction, including critical evaluation by instructor and class of students' original works. Students also critique and relate to their own work the fiction of relevant professional authors.

Credit Hours: 3 Prerequisite Courses:

Prerequisite:CRW 201 , or prerequisite/corequisite: CRW 203 .

Course Repeatability: Course may not be repeated.

CRW 208 - Poetry Writing I: Image and Pattern

Course Description:

Instruction in writing poetry, including critical evaluation by instructor and class of students' original works. Students also critique and relate to their own work the poetry of relevant professional poets.

Credit Hours: 3 Prerequisite Courses:

Prerequisite: CRW 201 ; prerequisite or corequisite: CRW 203 .

Course Repeatability: Course may not be repeated.

CRW 209 - Creative Nonfiction I: Discovery and Story Craft

Course Description:

Instruction in writing creative nonfiction, including critical evaluation by instructor and class of students' original works. Students also critique and relate to their own work, the work of relevant professional authors.

Credit Hours: 3 Prerequisite Courses:

Prerequisite: CRW 201 ; prerequisite or corequisite: CRW 203 .

Course Repeatability: Course may not be repeated.

CRW 210 - Writing for Digital Media

Course Description:

Instruction in writing narrative as a foundation for digital-arts projects. Focus will be on the writing process, from story ideas to revised drafts, with the aim of applying the written works to digital-arts projects.

Credit Hours: 3 Prerequisite Courses:

CRW 201 or CRW 203

Course Repeatability: Course may not be repeated.

CRW 300 - Research for Creative Writers

Course Description:

Instruction for writers of creative nonfiction, fiction, and poetry in searching electronic, print, and physical archives; historical artifacts; the geographical and built environment; and living sources, with special emphasis on interviewing techniques and ethics, and on integrating research into artistic writing.

Prerequisite Courses:

CRW 209

Additional Restrictions/Requirements:

A grade of C- or higher is required for the course to count toward the Major in Creative Writing or the Minor in Coastal and Environmental Writing. A grade point average of C (2.00) or higher is required for all courses counted toward the major or minor.

Course Repeatability: Course may not be repeated. Major Restriction: Pre-Creative Writing, Creative Writing Minor Restriction: Coastal and Environmental Writing

CRW 302 - Creative Nonfiction: Reading for Craft

Course Description:

Study of the aesthetics and techniques of creative nonfiction and of the history of nonfictional forms such as the memoir and the literary essay, as developed by classic and contemporary writers.

Credit Hours: 3 Prerequisite Courses:

CRW 209

Additional Restrictions/Requirements:

Restricted to CRW majors, pre-CRW majors, CRW minors.

Course Repeatability: Course may not be repeated.

CRW 303 - Poetry: Reading for Craft

Course Description:

Study of the aesthetics of poetry, poetic technique, and the history of poetic forms such as the ballad, the sonnet, the ode, and free verse, as developed by classic and contemporary writers.

Credit Hours: 3 Prerequisite Courses:

CRW 208

Additional Restrictions/Requirements:

Restricted to CRW majors, pre-CRW majors, CRW minors.

Course Repeatability: Course may not be repeated.

CRW 304 - Forms of Dramatic Writing

Course Description:

Study of the aesthetics of dramatic writing, dramatic technique, and the history of

dramatic forms such as tragedy, comedy, the screenplay, and the musical, as developed by classic and contemporary writers.
Credit Hours: 3 Prerequisite Courses:
CRW 207 or CRW 208 or CRW 209
Additional Restrictions/Requirements:
Restricted to CRW majors, pre-CRW majors, CRW minors.
Course Repeatability: Course may not be repeated.

CRW 305 - The Creative Process

Course Description:
Investigation through reading, lectures, discussions, writing, and exercises of the creative process in general and its particular application to literary art. Readings include studies of the creative process in a variety of other disciplines.
Credit Hours: 3 Prerequisite Courses:
Prerequisite or corequisite: CRW 207 or CRW 208 or CRW 209 , or consent of instructor.
Course Repeatability: Course may not be repeated.

CRW 306 - Fiction: Reading for Craft

Course Description:
Study of the aesthetics and technique of fiction, and the history of fictional forms such as the epic, the short story, and the novel, as developed by classic and contemporary writers.
Credit Hours: 3 Prerequisite Courses:
CRW 207
Additional Restrictions/Requirements:
Restricted to CRW majors and pre-CRW majors.
Course Repeatability: Course may not be repeated.

CRW 307 - Fiction Writing II: Voice and Vision

Course Description:
Techniques of writing fiction and development of the creative process, including writing exercises, editing, and workshop discussion.
Credit Hours: 3 Prerequisite Courses:
CRW 207
Additional Restrictions/Requirements:
Restricted to CRW and Pre-CRW majors.
Course Repeatability: Course may not be repeated.

CRW 308 - Poetry Writing II: Voice and Vision

Course Description:

Techniques of writing poetry and development of the creative process, including writing exercises, editing, and workshop discussion.

Credit Hours: 3 Prerequisite Courses:

CRW 208

Course Repeatability: Course may not be repeated.

CRW 309 - Creative Nonfiction Writing II: Voice and Vision

Course Description:

Techniques of writing creative nonfiction and development of the creative process, including writing exercises, editing, and workshop discussion.

Credit Hours: 3 Prerequisite Courses:

CRW 209

Course Repeatability: Course may not be repeated.

CRW 314 - Theory and Practice of Literary Translation

Course Description:

Introduction to the theory and practice of literary translation. Includes translation exercises, workshop discussion, reading on the history and theory of translation.

Credit Hours: 3 Prerequisite Courses:

CRW 307 or CRW 308 or CRW 309

University Studies: ["Approaches and Perspectives/Living in a Global Society"] Course Repeatability: Course may not be repeated.

CRW 315 - Special Topics in Creative Writing

Course Description:

An intensive study of a particular subject in creative writing. The course varies from semester to semester and to include such topics as the short story; contemporary poets and movements or writing and the visual arts.

Credit Hours: 3 Prerequisite Courses: CRW 207 or CRW 208 or CRW 209 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 9 Repeat Limit: 2

CRW 316 - Playwriting I

Course Description:

Intensive and imaginative exploration of playwriting through various exercises designed to foster and challenge personal creativity, ensure aesthetic understanding and application, while advancing fundamentals of craft. Concludes with the creation of a ten-minute play, or short form play.

Credit Hours: 3 Crosslisting:

THR 316

Course Repeatability: Course may not be repeated.

CRW 318 - Screenwriting I: Introduction to Screenwriting

Course Description:

Theory and practice of screenwriting an emphasis on the fundamentals of narrative structure. Students write original scripts, including a short screenplay for possible use in FST 495 .

Credit Hours: 3 Prerequisite Courses:

Prerequisite or corequisite: FST 201 ; or prerequisite:CRW 207 or CRW 208 or CRW 209 ; or consent of instructor.

Additional Restrictions/Requirements:

Restricted to PCRW or CRW majors.

Crosslisting:

FST 318

Course Repeatability: Course may not be repeated.

CRW 320 - Special Workshop in Writing

Course Description:

Workshop in one or more genres of creative writing.

Credit Hours: 1 To 3 Prerequisite Courses: CRW 207 or CRW 208 or CRW 209 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 9

CRW 321 - Introduction to Book Publishing

Course Description:

Introduction to the culture and commerce of books. Examines the life cycle of a book; the people and processes involved in book publishing including editorial practice and the issues involved in editorial decision-making; and the business, economics, and ethics of the publishing industry. Engagement in a variety of publishing activities, such as a book proposal and mock book auction.

Credit Hours: 3 Prerequisite Courses:

CRW 201

University Studies: ["Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

CRW 322 - Editing for Publication

Course Description:

Intensive course in applied self-editing. Course content focuses on grammar, spelling, writing mechanics, usage, precision, and best practices to prepare manuscripts for critique and consideration for publication. This core is a requirement for both the CRW major and the Certificate in Publishing.

Credit Hours: 3 Prerequisite Courses:

Prerequisite or corequisite: CRW 207 or CRW 208 or CRW 209 .

Additional Restrictions/Requirements:

Restricted to CRW and Pre-CRW majors and CRW minors.

University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

CRW 323 - Bookbuilding

Course Description:

Introduction to principles of effective graphic design and typography for book publishing, using desktop publishing applications in a computer lab setting and including hands-on production of several publications. Includes survey history and future trends in printing and publishing.

Credit Hours: 3 Prerequisite Courses:

CRW 207 or CRW 208 or CRW 209

Additional Restrictions/Requirements:

Prerequisite courses or consent of instructor.

Course Repeatability: Course may not be repeated.

CRW 324 - Special Topics in Publishing

Course Description:

Intensive examination of a special area of publishing, such as electronic publishing, editing poetry, or history of the book.

Credit Hours: 3 Prerequisite Courses: CRW 207 or CRW 208 or CRW 209 Additional Restrictions/Requirements:

Prerequisite courses or consent of instructor.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 9

CRW 325 - Literary Magazine Practicum

Course Description:

Applied course in the publication of a literary journal. The practical business of running a literary magazine, including editorial, marketing, and sales decisions. Assignments include reading submissions, proofreading and fact-checking, assisting in the creation and production of promotional materials, commenting on design decisions, selecting artwork/illustrations, and meeting production deadlines.

Credit Hours: 3 Prerequisite Courses: CRW 201 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

CRW 350 - Beyond the BFA

Course Description:

Examines the prospects of the lives of creative writers beyond college. Focus is on career options for creative writers, job searches, graduate school applications, writing the resume, interviewing for jobs, submitting creative work for publication, and considering creative/alternative professional paths.

Credit Hours: 3 Additional Restrictions/Requirements:

CRW majors and Pre-CRW majors only.

Course Repeatability: Course may not be repeated.

CRW 418 - Screenwriting II: Writing the Feature Film

Course Description:

The craft of screenwriting applied to the feature form.

Credit Hours: 3 Prerequisite Courses:

FST 318

Additional Restrictions/Requirements:

Prerequisite course, restricted to CRW or FST majors, or consent of instructor.

Crosslisting:

FST 418 , FST 518

Course Repeatability: Course may not be repeated.

CRW 419 - Screenwriting III: Film Adaptation

Course Description:

Writing, revision, and completion of screen adaptation of literary work.

Credit Hours: 3 Prerequisite Courses:

FST 318

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Crosslisting:

FST 419 , FST 519

Course Repeatability: Course may not be repeated.

CRW 420 - Advanced Manuscript Workshop: (Topic)

Course Description:

Advanced manuscript writing workshop in a single genre or mixed genres of creative writing.

Credit Hours: 3 Corequisite Courses:

CRW 302, CRW 303, CRW 304, or CRW 306.

Prerequisite Courses:

CRW 307 or CRW 308 or CRW 309 .

Additional Restrictions/Requirements:

CRW majors only.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

CRW 425 - Advanced Topics in Publishing

Course Description:

Intensive examination of an advanced area of publishing, such as an area of specialization within book editing, book arts or design, the history of independent book or magazine publishng, or for a course taught by a guest instructor.

Credit Hours: 3 Prerequisite Courses: CRW 321 and CRW 323 Crosslisting:

CRW 525

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

CRW 445 - Advanced Playwriting

Course Description:

Advanced techniques of playwriting with an emphasis on full-length plays; the writing of an original full-length play.

Credit Hours: 3 Prerequisite Courses:

CRW 316

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated.

CRW 460 - Publishing Practicum

Course Description:

Practical course in book and periodical publishing, in conjunction with the CRW Publishing Laboratory. Hands-on experience editing, designing, and producing publications such as books, chapbooks, literary broadsides, and promotional materials.

Credit Hours: 1 To 3 Prerequisite Courses: CRW 323 and (CRW 321 or CRW 322) Additional Restrictions/Requirements:

Prerequisite courses or consent of instructor.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

CRW 491 - Directed Individual Study

Course Description:

Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Study section in this catalogue.

Credit Hours: 1 To 3 Additional Restrictions/Requirements:

Junior or senior standing, nine hours of literature or writing courses (depending on project focus), at least three of which are at the 300-400 level; overall GPA of at

least 2.00; and consent of instructor, department chair, and dean.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

CRW 496 - Senior Seminar in Creative Writing

Course Description:
Seminar addressing issues of the profession, including preparing a manuscript for submission to publishers, publishing, advanced study, the writing life, ethics, and employment. Senior thesis, chapbook created in conjunction with the UNCW Publishing Laboratory, and public oral presentation of creative work required.
Credit Hours: 6 Prerequisite Courses:
CRW 420 Advanced Manuscript Workshop: Topic
Additional Restrictions/Requirements:
Prerequisite courses, restricted to senior class standing, CRW majors, and consent of the department.
University Studies: ["Building Competencies/Writing Intensive", "Explorations Beyond the Classroom/Certified Internship Program", "Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated. Major Restriction: BFA in Creative Writing

CRW 498 - CRW 498 - Internship in Writing - Bass

Course Description:
Academic training and practical writing experience through work in a private company or public agency. Faculty supervision and evaluation of all study and on-site activity. Open to students of junior or senior standing in all majors who have been approved by the faculty internship advisor.
Credit Hours: 1 Prerequisite Courses:
CRW 209
Additional Restrictions/Requirements:
Prerequisite course and nine additional hours of CRW writing courses, of which at least three are at the 300-400 level. Open to students of junior or senior standing in all majors who have been approved by the faculty internship advisor.
University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Repeat Limit: 2

CRW 499 - Honors Work in Creative Writing

Course Description:
Independent study for honors students.
Credit Hours: 2 To 3 Additional Restrictions/Requirements:
Eligibility for honors program and nine hours of literature or CRW writing courses (depending on project focus), at least three hours at the 300-400 level.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

CRM 105 - Introduction to Criminal Justice

Course Description:

Study of criminal law and the criminal justice system in the U.S. Emphasis on structure and function of police, courts and corrections.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Understanding Human Institutions and Behaviors"] Course Repeatability: Course may not be repeated.

CRM 110 - Crime and Justice Issues

Course Description:

Critical issues and contemporary debates in crime and justice.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Understanding Human Institutions and Behaviors"] Course Repeatability: Course may not be repeated.

CRM 250 - Crime in the Cape Fear

Course Description:

Topics relating to crime and punishment in the American legal system as viewed through the lens of the Cape Fear region. Explore a number of solutions to crime in the Cape Fear Region, many of which are unique to the area. Also serves as an introduction to the community and its fabric in the Cape Fear Region.

Credit Hours: 3 University Studies: ["Explorations Beyond the Classroom"] Crosslisting:

PLS 250

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 3

CRM 255 - Criminology

Course Description:

May not be taken for credit if student has already completed SOC 256 or CRM 256 [Inactive]. The scientific study of the nature, extent, correlates and etiology of crime, with an emphasis on sociological theories of crime. Topics include crimes against persons and property, public order crimes, and both informal and formal reactions to crime.

Credit Hours: 3 Prerequisite Courses:

CRM 105 or SOC 105

University Studies: ["Approaches and Perspectives/Understanding Human Institutions and Behaviors"] Crosslisting:

SOC 255

Course Repeatability: Course may not be repeated.

CRM 300 - Methods of Social Research

Course Description:

Introduction to logic and methods of sociological research. Topics include

connections between theory and research, problem formulation and research design, conceptualization and measurement, sampling, modes of observation and analysis, ethical issues, and the political context of research. Open only to the students in the sociology or criminology major or minor.

Credit Hours: 3 Prerequisite or Corequisite Courses:

STT 215 or MAT 101 or higher (excluding MAT 141 and MAT 142)

Prerequisite Courses:

SOC 105 or CRM 105

University Studies: ["Building Competencies/Information Literacy"] Crosslisting:

SOC 300

Course Repeatability: Course may not be repeated.

CRM 301 - Sociological Data Analysis and Interpretation

Course Description:

Instruction in computer-assisted univariate and bivariate analysis and interpretation of social science data. This course satisfies the department computer competency requirement.

Credit Hours: 3 Prerequisite Courses:

CRM 105 or SOC 105 , and CRM 300 or SOC 300 , STT 215 or MAT 101 or higher (excluding MAT 141 , MAT 142)

University Studies: ["Common Requirements/Critical Reasoning"] Crosslisting:

SOC 301

Course Repeatability: Course may not be repeated.

CRM 307 - Police in Society

Course Description:

Analysis of role and behavior of police in the U.S. Special attention to social environment and political climate affecting the police.

Credit Hours: 3 Prerequisite Courses:

CRM 105

Course Repeatability: Course may not be repeated.

CRM 310 - White Collar Crime

Course Description:

Study of crimes of the powerful and the privileged. Topics include: corporate crime; environmental crime; antitrust violations; political bribery; corruption; tax evasion; fraud; embezzlement; conflict of interest.

Credit Hours: 3 Prerequisite Courses:

CRM 105

Course Repeatability: Course may not be repeated.

CRM 315 - Victimology

Course Description:

Role of victims in crime and criminal justice system. Special focus on sexual battery, battered women and child abuse.

Credit Hours: 3 Prerequisite Courses:

CRM 105

Course Repeatability: Course may not be repeated.

CRM 320 - Criminal Courts

Course Description:

Analysis of structure and function of U.S. criminal courts. Examines relationships among the courthouse work-group (police, prosecutor, defense attorney, judge) and the role of witnesses, victims, defendants and jurors.

Credit Hours: 3 Prerequisite Courses:

CRM 105

Course Repeatability: Course may not be repeated.

CRM 330 - Corrections

Course Description:

Study of societal patterns of punishment, alternatives to incarceration, consequences of imprisonment and correctional strategies of rehabilitation and deterrence.

Credit Hours: 3 Prerequisite Courses:

CRM 105

Course Repeatability: Course may not be repeated.

CRM 335 - The Sociology of Deviant Behavior

Course Description:

Analysis of certain behavior in terms of deviations from norms. Application of sociological and psychological concepts and theory to deviant behavior, and critical evaluation of non-sociological research and theories.

Credit Hours: 3 Prerequisite Courses:

SOC 105 .

Crosslisting:

SOC 335 .

Course Repeatability: Course may not be repeated.

CRM 360 - Criminological Theory

Course Description:

The scientific study of criminological theories. Topics include causal logic, theory construction, evaluation of theories, the historical background and intellectual lineage of various criminological theories, and the current empirical evidence for tests of theories.

Credit Hours: 3 Prerequisite Courses:

CRM 105 , and SOC 255 /CRM 255 or SOC 256 /CRM 256 [Inactive].

University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

CRM 370 - Racialization and the Criminal Justice System

Course Description:

Study of the relationships between racialization and criminalization. Exploration of the social, political and legal conceptions of "crime" and "justice" using critical perspectives and theories of crime.

Credit Hours: 3 Prerequisite Courses:

CRM 105 .

Additional Restrictions/Requirements:

Prerequisite course plus 3 additional hours in CRM.

Course Repeatability: Course may not be repeated.

CRM 375 - Drugs and Crime

Course Description:

Examination of the impact of drug use upon families, communities and the criminal justice system. Special attention given to how drug laws have criminalized vast numbers of people within our society.

Credit Hours: 3 Prerequisite Courses:

CRM 105

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated.

CRM 376 - Juvenile Delinquency

Course Description:

The analysis and description of the problem of juvenile delinquency as it exists in a changing contemporary society.

Credit Hours: 3 Prerequisite Courses:

SOC 105

Crosslisting:

SOC 376

Course Repeatability: Course may not be repeated.

CRM 377 - Restorative Justice

Course Description:

Study of restorative justice as a global and local reform strategy to provide meaningful justice options to people whose lives have been impacted by crime. Explores the theory, practice, and empirical findings associated with restorative justice. Applied learning is central to this class in that circle process is used throughout the semester as a platform for instruction.

Credit Hours: 3 Prerequisite Courses:

CRM 105 and CRM 255 / SOC 255 or CRM 256 /SOC 256, or permission of instructor.

Course Repeatability: Course may not be repeated.

CRM 380 - Criminal Law

Course Description:

Basic concepts of statutory and common law. Topics include: definition of crime; elements of major crimes; criminal responsibility; defenses to criminal charges; inchoate and group criminality; and limitations of the criminal law. Special focus on North Carolina law.

Credit Hours: 3 Prerequisite Courses:

CRM 105

Additional Restrictions/Requirements:

Prerequisite course plus 3 additional hours in CRM.

Course Repeatability: Course may not be repeated.

CRM 381 - Criminal Procedure

Course Description:

Basic concepts of procedural law. Topics include the nationalization of the Bill of Rights, searchers, seizures, probable cause, warrants, arrest, self-incrimination, right to counsel, and double jeopardy.

Credit Hours: 3 Prerequisite Courses:

CRM 105

Additional Restrictions/Requirements:

Prerequisite course and 3 additional hours in CRM.

Course Repeatability: Course may not be repeated.

CRM 390 - Media, Crime, and Justice

Course Description:

Examination of the relationship between mass media, crime, and criminal justice with special emphasis on how media images affect crime and justice attitudes,

ideology, and policy. Includes examination of entertainment and news media in both electronic and print forms.
Credit Hours: 3 Prerequisite Courses:
CRM 105
Course Repeatability: Course may not be repeated.

CRM 391 - Public and Applied Sociology and Criminology Seminar

Course Description:
Application of sociological tools to real-life issues in a variety of social settings. Methods may include surveys, interviews, focus groups, secondary data analysis, and evaluation applications. Development of proposals for research projects conducted in a second, sequenced course in the following semester.
Credit Hours: 3 Prerequisite or Corequisite Courses:
SOC 301 or CRM 301 .
Prerequisite Courses:
SOC 300 or CRM 300 , and CRM 360 .
University Studies: ["Building Competencies/Information Literacy", "Explorations Beyond the Classroom"] Crosslisting:
SOC 391
Course Repeatability: Course may not be repeated.

CRM 394 - Departmental Study Abroad

Course Description: This course designation is for students studying abroad and taking a course offered by their study abroad institution that does not transfer in as a Criminology course. This allows students to apply this course to their major. Credit Hours: 3 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12 Repeat Limit: 3

CRM 395 - Topical Seminar

Course Description:
Discussion of selected topics in criminology and criminal justice.
Credit Hours: 3 Prerequisite Courses: CRM 105 Additional Restrictions/Requirements:
Sophomore, junior, or senior standing.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Repeat Limit: 1

CRM 410 - World Criminal Justice Systems

Course Description:
Comparative study of criminal justice systems throughout the world. Attention to historical, structural, political, legal and philosophical similarities and differences.
Credit Hours: 3 Prerequisite Courses:

CRM 105

Additional Restrictions/Requirements:

Prerequisite course plus 3 additional hours in CRM.

Course Repeatability: Course may not be repeated.

CRM 420 - Collective Violence

Course Description:

Analysis of group violence and its control. Topics include the theory and strategy of mass violence, terrorism, genocide, riots and revolutions, and historical and contemporary forms of warfare and the examination of case studies to identify the influence of society, culture, and politics on such events, as well as the impact these events have on society.

Credit Hours: 3 Prerequisite Courses:

SOC 105 or CRM 105

Additional Restrictions/Requirements:

3 hours in CRM.

Course Repeatability: Course may not be repeated.

CRM 449 - Sociology of Law

Course Description:

Analysis of the role of law in society. Special emphasis given to the relationship between law and social organization and the relation of sociocultural changes to substantive and procedural aspects of law. Law viewed as a collectivistic-individualistic process and as a reflection of sociocultural values.

Credit Hours: 3 Prerequisite Courses:

SOC 105

Additional Restrictions/Requirements:

Junior or Senior Standing

Crosslisting:

SOC 449

Course Repeatability: Course may not be repeated.

CRM 460 - Crime and Public Policy

Course Description:

Study of crime policies in the justice system with emphasis on theoretical and empirical merits of various crime reduction strategies. Qualitative and quantitative methods used to evaluate crime control policies.

Credit Hours: 3 Prerequisite Courses:

CRM 105

Additional Restrictions/Requirements:

Prerequisite course and 3 additional hours in CRM.

Course Repeatability: Course may not be repeated.

CRM 490 - Criminal Justice Practicum

Course Description:

Field placement in various criminal justice agencies. Integrates practical experience with classroom knowledge. Practicum students required to participate in one-hour weekly seminar (CRML 490).

Lab:

The lab for this course is CRML 490 .

Credit Hours: 3 Corequisite Courses:

CRML 490

Additional Restrictions/Requirements:

Senior standing in criminology.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:

Additional Course Fee Schedule

CRM 491 - Directed Individual Study

Course Description:

Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.

Credit Hours: 1 To 3 Additional Restrictions/Requirements:

Junior or senior standing, overall GPA of at least 2.00, and consent of instructor, department chair and dean.

University Studies: ["Explorations Beyond the Classroom/Certified Internship Program"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

CRM 495 - Senior Seminar

Course Description:

A topical seminar for students to apply the theories and methods they have learned as a major. Fulfills oral competency requirement. The seminar is the capstone course for majors.

Credit Hours: 3 Prerequisite Courses:

CRM 255 (SOC 255), or CRM 256 [Inactive] (SOC 256), CRM 301 (SOC 301), CRM 360 .

Additional Restrictions/Requirements:

Prerequisite courses and senior standing.
University Studies: ["Building Competencies/Writing Intensive", "Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

CRM 496 - Practicum in Public and Applied Sociology and Criminology

Course Description:

Completion of student research proposed and approved in CRM/SOC 391, as well as completion of a practicum or internship. The second course in a two-semester capstone sequence.
Credit Hours: 6 Prerequisite Courses:

SOC 300 or CRM 300 , and SOC 301 or CRM 301 , and CRM 360 , and SOC 391 or CRM 391 .
Additional Restrictions/Requirements:

Junior or senior class standing.
University Studies: ["Building Competencies/Writing Intensive", "Explorations Beyond the Classroom", "Common Requirements/Critical Reasoning"] Crosslisting:

SOC 496
Course Repeatability: Course may not be repeated.

CRM 499 - Honors Work in Criminal Justice

Course Description:

Independent work for honors students in which students apply criminological theory and methods to a major research project and paper that is then presented orally before an examining committee. Honors work is typically completed in two 3 credit hour semesters. **This course serves as an alternative to the CRM 495 capstone requirement for criminology majors.**Satisfies College of Arts and Sciences oral communication requirement.
Credit Hours: 2 To 3 Prerequisite Courses: (CRM 255 or CRM 256 [Inactive]) and CRM 300 and CRM 301 Additional Restrictions/Requirements:

Junior or senior standing, prerequisite courses, and eligibility for honors program.
University Studies: ["Writing Intensive", "Information Literacy", "Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

CRML 490 - Criminal Justice Laboratory

Course Description:

Classroom discussion of selected topics related to criminal justice practicum.
Lab:

This course is the lab for CRM 490 .

Credit Hours: 1 Corequisite Courses:

CRM 490

Course Repeatability: Course may not be repeated.

CYBR 201 - Fundamentals of Cybersecurity

Course Description:

Introduction to fundamental cybersecurity concepts. Exploration of the basic security design principles needed to create systems worthy of trust. Introduction to IT system components and their roles in system operation. Consideration of the processes and regulations associated with operational analysis and evaluation, including approval authorities and processes.

Credit Hours: 3 University Studies: ["Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

CYBR 202 - Cyber Policy, Legal, Ethics, Compliance

Course Description:

Exploration of the intersection between cybersecurity and policy, law, ethics, privacy, compliance, and law enforcement. Examination of applicable laws and policies related to cyber defense. Topics include privacy and the internet, the effectiveness of cybersecurity applications in preventing crime and abuse, and the application of ethical concepts in cybersecurity.

Credit Hours: 3 Prerequisite or Corequisite Courses:

CYBR 201 .

University Studies: ["Approaches and Perspectives/Understanding Human Institutions and Behaviors"] Course Repeatability: Course may not be repeated.

CYBR 245 - Cryptography and Data Security

Course Description:

Introduction to basic concepts in cryptography, including encryption/decryption, sender authentication, data integrity, non-repudiation, attack classification (ciphertext-only, known plaintext, chosen plaintext, chosen ciphertext), secret key (symmetric) cryptography and public key (asymmetric) cryptography, and information-theoretic security (one-time pad, Shannon Theorem). Introduction to data security topics authenticity, anonymity, and integrity.

Credit Hours: 3 Prerequisite Courses:

CYBR 201 with a C or better and CSC 131 with a C or better.

Additional Restrictions/Requirements:

CYBR 201 with a C or better and CSC 131 with a C or better.

Course Repeatability: Course may not be repeated.

CYBR 251 - Secure Programming Foundations

Course Description:

Exploration of programming and machine constructs behind code vulnerabilities and best practices for developing secure programs. Introduction to low-level code mechanics in C and assembly language frequently leveraged in code exploitation. Study of programming principles that guard against software vulnerabilities, including pointers, hardware control, overflows, input sanitization, data obfuscation, secure design, and static analysis.

Credit Hours: 3 Prerequisite Courses:

CSC 131 .

Course Repeatability: Course may not be repeated.

CYBR 307 - Essential Technical Cybersecurity for Business

Course Description:

Introduction to key technical elements of the cybersecurity landscape essential for solving business problems. Development of simple scripts/programs. Exploration of common technical concepts, fundamental operating system functions, and tools employed by cybersecurity practitioners.

Prerequisite or Corequisite Courses:

CYBR 201

Additional Restrictions/Requirements:

Admission to the Cameron School of Business or declared BS Cybersecurity or declared BS Information Technology or declared BS Computer Science or declared Cybersecurity minor.

Course Repeatability: Course may not be repeated. Major Restriction: BS Cybersecurity or BS Information Technology or BS Computer Science or BS Intelligent Systems Engineering or BS Business Administration Minor Restriction: Cybersecurity

CYBR 322 - Information Assurance

Course Description:

Exploration of the concepts of information assurance, audit and security assessment to measure compliance with applicable laws and regulations, and cyber risk management. Hands-on experience applying the NIST Risk Management Framework to government systems to protect the system's unique mission.

Prerequisite Courses:

CYBR 201

Additional Restrictions/Requirements:

Admission to the Cameron School of Business or declared BS Cybersecurity or

declared BS Information Technology or declared BS Computer Science or declared BS Intelligent Systems Engineering or declared Cybersecurity minor
Course Repeatability: Course may not be repeated. Major Restriction: BS Cybersecurity or BS Information Technology or BS Computer Science or BS Intelligent Systems Engineering or BS Business Administation Minor Restriction: Cybersecurity

CYBR 324 - Network Security

Course Description:
Study of the concepts used when defending a network and exploration of the basic tools and techniques that can be employed to protect a network and communication assets from cyber threats. Study of the knowledge required to administer and maintain a comprehensive enterprise security infrastructure. Introduction to common security architectures for the protection of information systems and data.
Credit Hours: 3 Prerequisite Courses:
MIS 320 or MIS 323 or CSC 344
Additional Restrictions/Requirements:
Admission to the Cameron School of Business or declared BS Cybersecurity or declared BS Information Technology or declared BS Computer Science or declared BS Intelligent Systems Engineering or declared Cybersecurity minor.
Course Repeatability: Course may not be repeated. Major Restriction: BS Cybersecurity or BS Information Technology or BS Computer Science or BS Intelligent Systems Engineering or BS Business Administration Minor Restriction: Cybersecurity

CYBR 325 - Secure Database Management

Course Description:
Introduction to database security theories and applications. Consideration of threats in database systems and applications of security concepts. Topics include data integrity and authentication, and information storage security.
Credit Hours: 3 Prerequisite Courses:
CIT 110 , MIS 213 , or CYBR 201 .
Course Repeatability: Course may not be repeated.

CYBR 340 - Cybersecurity Program Management

Course Description:
Explores methods used to raise general security awareness. Reviews current industry practices, contingency planning, and systems specific plans (e.g., change management). Examines the roles involved in planning and managing security. Students develop necessary skills to adapt policies to achieve confidentiality, integrity, and availability of organizational assets and data.

Credit Hours: 3 Prerequisite Courses:

CYBR 322

Additional Restrictions/Requirements:

Admission to the Cameron School of Business or declared BS Cybersecurity or declared BS Information Technology or declared BS Computer Science or declared BS Intelligent Systems Engineering or declared Cybersecurity minor

Course Repeatability: Course may not be repeated. Major Restriction: BS Cybersecurity or BS Information Technology or BS Computer Science or BS Intelligent Systems Engineering or BS Business Administration Minor Restriction: Cybersecurity

CYBR 343 - Systems Security

Course Description:

Application of security concepts to ensure the confidentiality, integrity, and availability of the computer operating system. Operating systems/security concepts are applied in the context of operating system hardening.

Credit Hours: 3 Prerequisite Courses:

(MIS 352 and CIT 225) or (CSC 242 and CYBR 201)

Course Repeatability: Course may not be repeated.

CYBR 345 - Blockchain and Decentralized Security

Course Description:

Introduction of principles, applications, and implementation of blockchain technologies, smart contracts, and other secure decentralized systems. Explorations of the cryptographic principles underlying decentralized systems and create applications leveraging these technologies.

Credit Hours: 3 Prerequisite Courses:

CSC 364 or CYBR 245

Course Repeatability: Course may not be repeated.

CYBR 354 - Computer and Mobile Forensics

Course Description:

Introduction to the concepts in computer and forensics investigations. Recovery and analysis of digital evidence using industry best practices and standard commercial and open source tools. Development of comprehensive investigative forensic reports. Coverage of the legal and ethical considerations of computer crime investigations.

Credit Hours: 3 Prerequisite Courses:

CYBR 343 and CSC 344 or MIS 320

Course Repeatability: Course may not be repeated.

CYBR 358 - Cyber Operations

Course Description:

Introduction to cyber operations concepts, with specific focus on the computing aspects. Topics include: Basics of cyber operations including a cyber operations procedures, applicable laws, and information assurance, and information assurance architectures.

Credit Hours: 3 Prerequisite or Corequisite Courses:

CYBR 343

University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

CYBR 362 - Information Assurance Policy

Course Description:

Exploration of Information Assurance (IA) policies and frameworks from the organizational mechanics of developing policies to the psychology of implementation. Review of various information security and assurance concepts in clear, simple terms such as governance, regular mandates, business drivers, legal considerations and more while effectively balancing technical knowledge and soft skills.

Credit Hours: 3 Prerequisite Courses:

CYBR 322

Additional Restrictions/Requirements:

Admission to Cameron School of Business or declared Cybersecurity major or declared Information Technology major or declared Cybersecurity minor

Course Repeatability: Course may not be repeated. Major Restriction: BS Cybersecurity and BS Information Technology Minor Restriction: Cybersecurity

CYBR 363 - Artificial Intelligence for Cybersecurity

Course Description:

Introduction to fundamental knowledge in applying AI and ML techniques to real-world datasets. Students are introduces to supervised and unsupervised learning models, applications to internet traffic and anomaly detection, and ethics, fairness, and bias in data-drive cybersecurity.

Credit Hours: 3 Prerequisite Courses:

CSC 231 with a C or better or CYBR 251 with a C or better and STT 215 or BAN 280

Course Repeatability: Course may not be repeated.

CYBR 364 - Web Applications Security

Course Description:

Introduction to web application security principles focusing on identifying and mitigating top ten vulnerabilities through common application testing methodologies. Exploration of various web application architectures and backend & frontend technologies. Hands-on application of security testing tools and techniques to assess and enhance the security posture of web applications throughout their development life cycle.

Credit Hours: 3 Prerequisite Courses:

CSC 131 or MIS 316

Additional Restrictions/Requirements:

Admission to Cameron School of Business or declared Cybersecurity major or declared Information Technology major or declared Cybersecurity minor.

Course Repeatability: Course may not be repeated. Major Restriction: BS Cybersecurity or BS Information Technology Minor Restriction: Cybersecurity

CYBR 365 - Ethical Hacking

Course Description:

Introduction to organizational security posture improvement through penetration testing and ethical hacking. Study of ways to exploit vulnerabilities to gain access to a system. Exploration of common security architectures for the protection of information systems and data.

Credit Hours: 3 Prerequisite Courses:

CIT 225 and MIS 352

Additional Restrictions/Requirements:

Admission to the Cameron School of Business or declared BS Cybersecurity or declared BS Information Technology or declared BS Computer Science or declared BS Intelligent Systems Engineering or declared Cybersecurity minor.

Course Repeatability: Course may not be repeated. Major Restriction: BS Cybersecurity or BS Information Technology or BS Computer Science or BS Intelligent Systems Engineering or BS Business Administration Minor Restriction: Cybersecurity

CYBR 366 - Digital Forensics

Course Description:

Introduction to digital forensics and evidence-handling techniques for different types of information technologies and forms of data. Exploration of the basic principles of digital forensics. Introduction to the legal requirements for collecting, seizing, and protecting digital evidence. Application of digital forensics techniques throughout an

investigation life cycle.

Credit Hours: 3 Prerequisite or Corequisite Courses:

CYBR 324

Additional Restrictions/Requirements:

Admission to the Cameron School of Business or declared BS Cybersecurity or declared BS Information Technology or declared BS Computer Science or declared BS Intelligent Systems Engineering or declared Cybersecurity minor

Course Repeatability: Course may not be repeated. Major Restriction: BS Cybersecurity or BS Information Technology or BS Computer Science or BS Intelligent Systems Engineering or BS Business Administration Minor Restriction: Cybersecurity

CYBR 368 - CCNA Security

Course Description:

Exploration of network protocols, services, and infrastructures. Exploration of detection and analysis of cybersecurity threats using common open-source tools. Monitoring of a security policy. Review of security controls. Exploration of essential tasks to secure a network. Review of methods for malicious access prevention to computer networks, hosts, and data.

Credit Hours: 3 Prerequisite Courses:

MIS 320 or CSC 344

Additional Restrictions/Requirements:

Admission to Cameron School of Business or declared Cybersecurity major or declared Information Technology major or declared Cybersecurity minor.

Course Repeatability: Course may not be repeated. Major Restriction: BS Cybersecurity or BS Information Technology Minor Restriction: Cybersecurity

CYBR 424 - Security Tools Engineering

Course Description:

Design and implementation of software solutions to achieve security goals using data captured on computer systems and networks. Topics include: advanced network forensics, network defense tools and principles, and advanced intrusion detection and prevention implementations.

Credit Hours: 3 Prerequisite Courses:

(CSC 231 with a C or better or CYBR 251 with a C or better) and (CSC 344 or MIS 320)

Crosslisting:

CSC 424 .

Course Repeatability: Course may not be repeated.

CYBR 431 - Cloud Security

Course Description:

Introduction to cloud security architecture and exploration of the guiding security design principles, design patterns, industry standards, and associated technologies. Study of regulatory compliance requirements critical to the design, implementation, delivery, and management of secure cloud-based services.

Credit Hours: 3 Prerequisite Courses:

CIT 301 .

Course Repeatability: Course may not be repeated.

CYBR 432 - SOC Operations

Course Description:

Introduction to security operations centers (SOC). Study of processes used for operations such as incident response, vulnerability assessment, and threat investigation. Introduction to software tools to manage SOC activities such as security information and event management (SIEM) systems, vulnerability scanners, intrusion detection systems (IDS), and intrusion prevention systems (IPS).

Prerequisite Courses:

CYBR 202 , CYBR 365 and CYBR 366

Additional Restrictions/Requirements:

Admission to Cameron School of Business or declared Cybersecurity major or declared Information Technology major or declared Cybersecurity minor

Course Repeatability: Course may not be repeated. Major Restriction: BS Cybersecurity or BS Information Technology Minor Restriction: Cybersecurity

CYBR 435 - Cyber Fraud and Investigation

Course Description:

Investigation of cyber fraud, and the study of plans and processes for a holistic approach to preventing and mitigating fraud throughout the system lifecycle. Specific attention paid to financial fraud and the application of forensics techniques to respond to and investigate financial incidents.

Credit Hours: 3 Prerequisite Courses:

ACG 201 , FIN 335 , CYBR 202 , and (STT 215 or BAN 280).

Course Repeatability: Course may not be repeated.

CYBR 437 - Supply Chain Cybersecurity

Course Description:

Explores security issues associated with building complex systems out of third-party components; the authorities and processes for the approval of their operation; how

security principles can be applied to improve security throughout the system or product lifecycle; and the basics of industrial control systems and vulnerabilities they are likely to have.

Credit Hours: 3 Prerequisite Courses:

CYBR 202 and CYBR 322

Additional Restrictions/Requirements:

Admission to the Cameron School of Business or declared BS Cybersecurity or declared BS Information Technology or declared BS Computer Science or declared BS Intelligent Systems Engineering or declared Cybersecurity minor

Course Repeatability: Course may not be repeated. Major Restriction: BS Cybersecurity or BS Information Technology or BS Computer Science or BS Intelligent Systems Engineering or BS Business Administration Minor Restriction: Cybersecurity

CYBR 440 - Cyber Risk

Course Description:

Introduction to risk assessment models, methodologies, and processes. Examination of how cybersecurity risks are part of an organizations' overall risk. Study of the techniques and guidelines used to perform a cybersecurity risk assessment of a system, process, or organization and appropriate mitigations.

Prerequisite Courses:

CYBR 245 and CYBR 322 and (MIS 320 or CSC 344)

Additional Restrictions/Requirements:

Admission to the Cameron School of Business or declared BS Cybersecurity or declared BS Information Technology or declared BS Computer Science or declared BS Intelligent Systems Engineering or declared Cybersecurity minor

Course Repeatability: Course may not be repeated. Major Restriction: BS Cybersecurity or BS Information Technology or BS Computer Science or BS Intelligent Systems Engineering or BS Business Administration Minor Restriction: Cybersecurity

CYBR 442 - Cyber Politics

Course Description:

Introduction to key aspects of cyberspace's emergence as the fifth domain of strategic warfare, the center of human communication, and an integral part of social governance. Study of cyber politics as an area related to political philosophy, international economics, and realpolitik in diplomacy and warfare.

Credit Hours: 3 Prerequisite Courses:

CYBR 202 .

Course Repeatability: Course may not be repeated.

CYBR 444 - Cyber Law and Cases

Course Description:

Introduction to the U.S state laws, federal laws, and regulatory policies, as well as international laws that regulate cyberspace activities. Coverage of cyberspace and the legal/policy background that individuals, businesses, and governments must understand to conduct cyber actions within the limits of legal authority.

Credit Hours: 3 Prerequisite Courses:

CYBR 322

Additional Restrictions/Requirements:

Admission to the Cameron School of Business or declared BS Cybersecurity or declared BS Information Technology or declared BS Computer Science or declared BS Intelligent Systems Engineering or declared Cybersecurity minor

Course Repeatability: Course may not be repeated. Major Restriction: BS Cybersecurity or BS Information Technology or BS Computer Science or BS Intelligent Systems Engineering or BS Business Administration Minor Restriction: Cybersecurity

CYBR 445 - Certified Information Systems Security Professional

Course Description:

Study of Certified Information Systems Security Professional (CISSP) domains.

Credit Hours: 3 Prerequisite Courses:

CYBR 322 and CYBR 324

Course Repeatability: Course may not be repeated. Major Restriction: BS Cybersecurity or BS Information Technology Minor Restriction: Cybersecurity or Cameron School of Business Admission

CYBR 446 - Certified Information Systems Auditor

Course Description:

Study of Certified Information Systems Auditor (CISA) domains.

Credit Hours: 3 Prerequisite or Corequisite Courses:

CYBR 340

Course Repeatability: Course may not be repeated. Major Restriction: BS Cybersecurity or BS Information Technology Minor Restriction: Cybersecurity or Cameron School of Business Admission

CYBR 475 - Topics in Cybersecurity

Course Description:

Topics of current interest in cybersecurity not covered in existing courses. May be repeated under different subtitles.

Credit Hours: 3 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 9 Repeat Limit: 3 Major Restriction: Open to cybersecurity majors only.

CYBR 491 - Directed Individual Study

Course Description:

Investigation under faculty supervision beyond what is offered in existing courses. Written experience report and oral presentation required. For further information, consult the

Depending on their interests and abilities, UNCW students may choose from several kinds of special courses and programs to individualize and otherwise enrich their studies.

- This course, designated as 491 in each department, involves investigation beyond what is offered in existing courses. To enroll in a Directed Individual Study, students must be a junior or senior. Additionally, students must have an overall grade point average of at least 2.00 and the approval of (1) the faculty member who will direct the study, (2) the departmental chairperson, and (3) the appropriate dean. Departmental criteria will include (1) the availability of the instructor (instructors may only supervise a limited number of independent studies each semester), (2) the appropriateness of and need for the proposed study in the student's program, (3) the availability of library and other research resources, and (4) the feasibility of completion of the proposed study in the allotted time. Students are limited to nine credit hours of Directed Individual Study toward graduation requirements.

- Several departments within the College of Humanities, Social Sciences, and the Arts and the professional schools offer field experience courses as part of their semester or summer programs. Participating students conduct individual or group research under faculty guidance at selected areas within and outside the continental United States. Apart from the greater Wilmington area, field experience courses have been conducted in such places as the Florida Keys, Barbados, the Bahamas, Portugal, and parts of Central and South America.

- Raymond L. Burt, *coordinator*

  The German Studies Consortium links participating UNC institutions to facilitate the sharing of teaching and learning resources to enhance German Studies across The University of North Carolina system. This consortium offers a broad array of German Studies courses in the language, literature, and culture of the German-speaking countries taught by specialists in the field. The primary focus is on the

sharing of upper-level German classes offered each semester on the North Carolina Information Superhighway. Participant universities include Appalachian State University, East Carolina University, North Carolina State University, the University of North Carolina at Asheville, the University of North Carolina at Charlotte, the University of North Carolina at Greensboro, University of North Carolina Wilmington, and Western Carolina University. For course details, visit the UNC Online Exchange.

- Regina Felix, *coordinator*
  The Portuguese Exhange links participating UNC institutions to facilitate the sharing of teaching and learning resources to enhance Portuguese language and Portugurese and Brazilian Studies across the University of North Carolina system. This exchange offers courses in the language, literature, and culture of the Portuguese-speaking countries taught by specialists in the field. Participant universities include Appalachian State University, North Carolina State University, the University of North Carolina Asheville, the University of North Carolina at Chapel Hill, the Unversity of North Carolina at Charlotte, the University of North Carolina Wilmington, and Winston Salem State University. For course details, visit the UNC Online Exchange.

- Dave Graber, *coordinator*
  The Russian Studies Consortium links participating UNC institutions to facilitate the sharing of teaching and learning resources to enhance Russian Studies across The University of North Carolina system. This consortium offers a broad array of Russian Studies courses in the language, literature, history, film, society, and culture in the Russian-speaking countries, which can be taught in the target language and/or in translation by specialists with credentials in Russian Studies. The primary goal focuses on the sharing of elementary, intermediate, and upper level Russian Studies classes offered each semester as well as summer session courses on the North Carolina Information Superhighway and/or fully online. Participant universities include Appalachian State University, East Carolina University, North Carolina State University, The University of North Carolina at Charlotte, The University of North Carolina at Greensboro, and The University of North Carolina Wilmington. Courses are offered through the UNC Online Exchange.

- Raymond L. Burt, UNCW *coordinator*
  The UNC Language Assembly is a cooperative of the language departments of all 17 campuses of the UNC System, and serves the UNC System and the State of North Carolina by supporting the foreign language programs at the constituent institutions and by seeking to offer a wide diversity of foreign language choices to the students at all the UNC campuses. Students are not required to pay tuition at the other campus, since UNCW tuition applies to these courses as well. Courses are taught online or through videoconference technology. Students can directly enroll in language classes offered by campuses through the UNC Online Exchange.

- https://uncw.edu/myuncw/academics/graduate-school/forms

Graduate Courses Taken for Undergraduate Credit

Graduate courses at UNCW or other accredited institutions may be used to fulfill undergraduate requirements if approved by the course instructor, student's department chair, undergraduate dean, and the dean of the Graduate School. All other transfer credit policies apply. Permission forms may be obtained on the Graduate School forms page under the "Undergraduate Registration for Graduate Courses" section at https://uncw.edu/myuncw/academics/graduate-school/forms.

Graduate Course Taken as an Undergraduate to Later Apply to a Graduate Degree

Undergraduate students who wish to take graduate courses and later receive

graduate credit for them must fill out a Docusign to obtain permission in advance from the course instructor, student's department chair and undergraduate dean, and the Graduate School for approval. Graduate courses taken under this provision may not be used to fulfill undergraduate degree requirements. Permission forms may be obtained on the Graduate School form page under the "Undergraduate Registration for Graduate Courses"
section https://uncw.edu/myuncw/academics/graduate-school/forms.

Credit for Approved Combined Degree Programs

Graduate courses used to fulfill an undergraduate degree requirement at UNCW may be applied to a graduate degree only when taken as part of an approved combined degree program. Courses applied toward an awarded degree may not be applied to a second degree except as described by specific degree programs.

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https://www.uncw.edu/global/
The Office of Global Partnerships and International Education is comprised of three units: Education Abroad, English Language Center, and the Office of International Students & Scholars.

Education Abroad

UNCW offers more than 800 education abroad opportunities in more than 50 countries. Options available include coursework taken abroad, international internships for academic credit, credit-bearing service-learning experiences, academic research, and virtual global learning opportunities. UNCW provides education abroad opportunities to suit nearly every major and credit earned through

international programs may be applied towards a UNCW degree. Financial aid may be used in conjunction with education abroad programs and scholarships are available. Students may select from short-term and summer programs, as well as semester, year-long and two-year dual degree options.

All applications for any credit-bearing program abroad must be made through the Office of Global Partnerships and International Education.

UNCW students who study abroad retain their active UNCW student status and will not have to re-enroll upon return.

Eligibility requirements include:

- 18 years of age at the time of participation
- Good disciplinary standing
- 2.5+ cumulative grade point average
- Sophomore+ status (select programs are open to first-year students)
- Any program-specific requirements
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Several programs in the College of Humanities, Social Sciences, and the Arts, College of Science and Engineering, College of Education, College of Health and Human Services, and the Cameron School of Business offer students the opportunity to earn academic credit within a work environment external to the program. The purpose of the internship experience is to enhance, supplement, and integrate the learning that occurs in formal classroom settings. Permission of the dean and program offering the internship is required to enroll, and the program places limits on the number of credit hours earned applicable toward graduation. Internships designated by a 498 number will be graded on a Pass (P), Fail (F) basis. These credit hours earned will count towards the number of hours required to graduate, but the grade of Pass (P) will be excluded from the computation of the GPA. For further information on internships, refer to the courses numbered 498 in the course listings and then contact the departments offering them.

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The North Carolina Child Welfare Education Collaborative is a university-agency partnership that ensures a quality work force in child welfare settings. The educational goal of this program is to directly address the workforce need for social workers in child welfare settings. Administered by the Jordan Institute for Families, the collaborative includes North Carolina social work education programs, the NC Division of Social Services, the NC Association of County Directors of Social

Services and the NC Chapter of the National Association of Social Workers. Educating, training, and supporting current and future social workers in child welfare meets the goal of strengthening families and protecting children. The collaborative offers focused educational courses, training and field experience in child welfare agencies. Participating universities include Appalachian State University, University of North Carolina at Chapel Hill, East Carolina University, North Carolina State University, Joint Masters of Social Work Program at University of North Carolina at Greensboro and North Carolina Agricultural and Technical State University, and University of North Carolina Wilmington.

- The Reverse Transfer Program is a collaborative effort between North Carolina's Community Colleges and the University of North Carolina's 16 constituent institutions. Students who transfer to UNC Wilmington from one of the 58 North Carolina community colleges are given the opportunity to combine the credits earned at UNCW with credit already earned at the community college to determine if the associate degree requirements have been met. Students have the opportunity to opt-in to this program at the time of admission as a transfer student. There is no cost to participate. For more information, contact the Office of the Registrar. **Eligibility:** Students must have earned at least 16 college-level credit hours at one community college applicable towards their degree, to be eligible to participate. After earning a total of 60 combined credits, the student's UNCW records will be sent back to their previous community college for evaluation. The community college will contact students via their UNCW email, with further details, if the Associate degree is awarded.

- Several UNCW courses employ service-learning opportunities. Service learning is an innovative method of teaching and learning that combines thoughtfully organized service to the community with other means of instruction. Community service-projects are integrated into and enhance the academic curriculum of students, fitting naturally into the philosophy and pedagogy of a variety of disciplines and fostering civic responsibility. Both students and the community benefit from service learning. Service-learning courses have several strengths, not the least of which is that they are adaptable to the needs of the community while providing structured time for the students to reflect on the service experience.

section in this catalogue.
Credit Hours: 1 to 3 Additional Restrictions/Requirements:
Junior or senior standing, overall GPA of at least 2.50, GPA in CYBR courses of at least 2.80, and consent of instructor, program coordinator, and dean.
University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Repeat Limit: 1

CYBR 495 - Seminar in Cybersecurity

Course Description:
Individual reports and group discussions of field, laboratory and/or library research on selected topics in cybersecurity. May only be taken once for credit in the major.
Credit Hours: 3 University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 9 Repeat Limit: 3 Major Restriction: For cybersecurity majors only.

CYBR 498 - Internship in Cybersecurity

Course Description:
Academic training and practical experience through work in a private company or public agency. Faculty supervision and evaluation of all study and on-site activity. Written experience report and oral presentation required.
Credit Hours: 3 Additional Restrictions/Requirements:
Open to students of junior or senior standing who have been approved by the faculty supervisor, department chair, and dean.
Admission to the Cameron School of Business or declared BS Cybersecurity or declared BS Information Technology or declared BS Computer Science or declared BS Intelligent Systems Engineering or declared Cybersecurity minor
University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 9 Repeat Limit: 3 Major Restriction: BS Cybersecurity or BS Information Technology or BS Computer Science or BS Intelligent Systems Engineering or BS Business Administration Minor Restriction: Cybersecurity

CYBR 499 - Honors in Cybersecurity

Course Description:
Individual study for honors students.
Credit Hours: 3 Additional Restrictions/Requirements:
Instructor approval for honors students only.
University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Repeat Limit: 2

DSC 301 - Introduction to Machine Learning

Course Description:

Introduction to machine learning, including necessary linear algebra topics, such as vectors, matrices, eigenvalues, eigenvectors, symmetric matrices and singular value decompositions. Considers gradient descent methods to optimize predictive and classification models, dimension reduction, clustering, cross validation, grid search, data visualization and dashboards.

Credit Hours: 3 Prerequisite Courses:

MAT 151 or MAT 161 .

Course Repeatability: Course may not be repeated.

DSC 302 - Foundations of Data Science

Course Description:

Foundational topics in the field of Data Science Topics to include data cleaning, Structured Query Language (SQL), data manipulation, visualizations, elementary classification, and machine learning.

Credit Hours: 3 Prerequisite Courses:

MAT 151 or MAT 161 .

Course Repeatability: Course may not be repeated.

DSC 303 - R for Data Science

Course Description:

Introduction to data science with an overview of the basic techniques for making informed, data-driven decisions using the R statistical software. Students learn the basics of R programming and use it to visualize, wrangle, manipulate, and explore data of many types and sizes.

Prerequisite Courses:

STT 215, or PSY 225, or BAN 280

Course Repeatability: Course may not be repeated.

DART 101 - Introduction to Digital Arts

Course Description:

Introduction to the Digital Arts major for students considering or having recently declared a B.A. in Digital Arts. Course covers curricular goals and options, DA equipment, research, and artistic work, and a gentle introduction to art & design, programming, math, time-based media, portfolio development, and field specific career preparation.

Credit Hours: 1 Course Repeatability: Course may not be repeated.

DART 475 - Special Topics in Digital Arts

Course Description:

Topics of current interest in Digital Arts not covered in existing courses. May be

repeated under a different subtitle.
Credit Hours: 1 Prerequisite Courses:
CSC 231 and ART/CSC/FST 220
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 9 Repeat Limit: 2 Major Restriction: Digital Arts major, Computer Science major with Digital Arts concentration Minor Restriction: Digital Arts minor

DART 491 - Directed Individual Study

Course Description:
Investigation under faculty supervision on a Digital Arts-related project beyond what is offered in existing courses. Written experience report and oral presentation required. For further information, consult the Directed Individual Studies section in this catalogue.
Credit Hours: 1 Prerequisite Courses:
CSC 231 and ART/CSC/FST 220
Additional Restrictions/Requirements:
Junior or senior standing, overall GPA of at least 2.50 and a GPA in CSC courses of at least 2.80, and consent of instructor, program coordinator, department chair, and dean.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 3 Repeat Limit: 2 Major Restriction: Digital Arts major, Computer Science major with Digital Arts concentration Minor Restriction: Digital Arts minor

DART 496 - Digital Arts Capstone

Course Description:
Final portfolio project integrating the principles, skills, and techniques explored in the digital arts major. Research project is determined by the student and developed in ongoing consultation with peers and digital arts faculty. Course culminates with a presentation of the project on the UNCW campus and project documentation.
Credit Hours: 3 Prerequisite Courses:
ART 211, CSC 331 with a minimum grade of "C", and CSC 368
Additional Restrictions/Requirements:
Senior standing.
University Studies: ["Building Competencies/Writing Intensive", "Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Major Restriction: Digital Arts major

DART 498 - Internship in Digital Arts

Course Description:
Academic training and practical experience through Digital Arts-related work in a private company or public agency. Faculty supervision and evaluation of all study

and on-site activity. Written experience report and oral presentation required.
Credit Hours: 1 Prerequisite Courses:

CSC 231 and ART/CSC/FST 220

Additional Restrictions/Requirements:

Junior or senior standing, overall GPA of at least 2.50 and a GPA in DA major core courses of at least 2.80 and consent of program coordinator, chair, and dean.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 3 Repeat Limit: 2 Major Restriction: Digital Arts major, Computer Science major with Digital Arts concentration Minor Restriction: Digital Arts minor

DART 499 - Honors Work in Digital Arts

Course Description:

Independent study for honors students.
Credit Hours: 2 Prerequisite Courses:

CSC 231 and ART/CSC/FST 220

Additional Restrictions/Requirements:

Eligible for departmental honors or member of Honors College.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Repeat Limit: 2 Major Restriction: Digital Arts major, Computer Science major with Digital Arts concentration Minor Restriction: Digital Arts minor

DHS 104 - Introduction to Digital Humanities

Course Description:

Introduction to the application of digital tools for humanities research. Students explore interdisciplinary definitions of Digital Humanities (DH) and DH research methods; investigate and critique DH projects; and plan and execute their own collaborative DH projects.
Credit Hours: 3 University Studies: "\"\"" Course Repeatability: Course may be repeated. Additional Course Fees: "\"\"" Equivalent Courses: "\"\""

DHS 367 - Digital Humanities Applications

Course Description:

Project-based exploration of a real world problem (social, cultural, interpretive/aesthetic). Students conduct primary and/or secondary research using digital and non-digital methods and present findings using a relevant digital medium that aligns with the project's values, goals, and audience.
Credit Hours: 3 Prerequisite Courses:

DHS 104

University Studies: "\"\"" Course Repeatability: Course may not be repeated. Additional Course Fees: "\"\"" Equivalent Courses: "\"\""

ECN 125 - Survey of Economics

Course Description:

An introduction to economics principles for non-business and non-economics majors. Current analysis rather than theoretical analysis is utilized to present and show the relevance of economics principles. (Not open to students who have earned credit for either ECN 221 or ECN 222 .)

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Understanding Human Institutions and Behaviors"] Course Repeatability: Course may not be repeated.

ECN 221 - Principles of Economics-Micro

Course Description:

Analysis of decision-making processes and economic equilibrium for the individual firm and consumer at an introductory level.

Credit Hours: 3 Prerequisite Courses:

MAT 111 or MAT 150 or MAT 151 or MAT 160 or MAT 161

University Studies: ["Approaches and Perspectives/Understanding Human Institutions and Behaviors"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

ECN 222 - Principles of Economics-Macro

Course Description:

Aggregate economic analysis examining the effects of fiscal and monetary policy upon aggregate employment, income and prices at an introductory level.

Credit Hours: 3 Prerequisite Courses:

ECN 221

University Studies: ["Approaches and Perspectives/Understanding Human Institutions and Behaviors"] Course Repeatability: Course may not be repeated.

ECN 250 - Capitalism and the Global Market

Course Description:

An introduction to the history of capitalism, the current global market society, and the ethics of capitalism.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Understanding Human Institutions and Behaviors"] Course Repeatability: Course may not be repeated.

ECN 295 - Special Topics in Economics

Course Description:

Seminar in selected topics in economics. This course does not fulfill requirements towards any major or concentration in the Cameron School of Business.

Credit Hours: 1 To 3 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

ECN 321 - Intermediate Microeconomics

Course Description:

A theoretical analysis of individual consumer and firm behavior and general equilibrium.

Credit Hours: 3 Prerequisite Courses:

(MAT 151 or MAT 161) and ECN 222 .

Additional Restrictions/Requirements:

Prerequisite courses and either admission to Cameron School of Business or declared minor in economics.

Course Repeatability: Course may not be repeated.

ECN 322 - Intermediate Macroeconomics

Course Description:

A theoretical analysis of the determination of aggregate income, aggregate employment, and the average price level and role of monetary and fiscal policy in the macroeconomy.

Credit Hours: 3 Prerequisite or Corequisite Courses:

ECN 222 , MAT 151 or MAT 161

Additional Restrictions/Requirements:

Prerequisite courses and either admission to Cameron School of Business or declared minor in economics.

Course Repeatability: Course may not be repeated.

ECN 324 - Financial Markets and Institutions

Course Description:

An introduction to the financial and economic environment within which a firm must operate. Analysis of the sources and the cost and availability of funds in a domestic and international setting; analysis of international monetary flows; financial decision making in an integrated world economy.

Credit Hours: 3 Prerequisite Courses:

ECN 222

Crosslisting:

FIN 324

Course Repeatability: Course may not be repeated.

ECN 325 - Environmental Economics

Course Description:

Application of basic economics principles is used to help understand environmental problems and evaluate alternative solutions. Economic principles will be employed

to analyze fundamental environmental issues such as property rights, externalities, conservation, and public goods. Public policy issues such as environment protection, natural resource damage assessment, and pollution control will be evaluated from an economic perspective. Specific focus will be given to methods for non-market valuation.

Credit Hours: 3 Prerequisite Courses:

ECN 125 or ECN 221

Crosslisting:

EVS 325

Course Repeatability: Course may not be repeated.

ECN 326 - Comparative Economic Systems

Course Description:

Analysis of economic systems operating under capitalism, socialism, communism, and fascism; institutions and organization of production and government; decision-making; distribution of income; problems of developing nations.

Credit Hours: 3 Prerequisite Courses:

ECN 125 or ECN 222 .

Additional Restrictions/Requirements:

Prerequisite courses and either admission to Cameron School of Business or declared minor in economics.

University Studies: ["Approaches and Perspectives/Living in a Global Society"] Course Repeatability: Course may not be repeated.

ECN 327 - Health Economics

Course Description:

Analysis of health-care delivery using economic reasoning. Specific topics include the demand for health, medical care, and insurance; socio-economic patterns in health-related behaviors and outcomes; physician and hospital services; private and public financing of care; regulation of the health-care marketplace; and medical innovation.

Credit Hours: 3 Prerequisite Courses:

ECN 125 or ECN 221

Course Repeatability: Course may not be repeated.

ECN 328 - Public Finance

Course Description:

Study of state, local, and federal government revenue and expenditures; theory of taxation, tax shifting and incidence; theory of public goods, fiscal neutrality and

government regulation; methods of achieving efficiency in government benefit-cost analysis, program budgeting (PPB), and pricing of government services.
Credit Hours: 3 Prerequisite Courses:
ECN 222 .
Additional Restrictions/Requirements:
Prerequisite courses and either admission to Cameron School of Business or declared minor in economics
University Studies: ["Approaches and Perspectives/Living in Our Diverse Nation"] Course Repeatability: Course may not be repeated.

ECN 329 - Industrial Organization and Public Policy

Course Description:
A theoretical and empirical study of how the structure of industry affects the conduct and performance of the firm; balanced coverage of public policy as it affects structure, conduct and performance.
Credit Hours: 3 Prerequisite Courses:
ECN 222 .
Additional Restrictions/Requirements:
Prerequisite courses and either admission to Cameron School of Business or declared minor in economics.
Course Repeatability: Course may not be repeated.

ECN 330 - Natural Resource Economics

Course Description:
Economic principles are developed and applied to evaluate public and private decisions involving the use and allocation of natural resources. Optimal control theory is developed and applied to the management of natural resources. Attention is given to specific resources management areas such as forests and fisheries. The feasibility of alternatives for public policy is evaluated.
Credit Hours: 3 Prerequisite Courses:
ECN 125 or ECN 221
Crosslisting:
EVS 330
Course Repeatability: Course may not be repeated.

ECN 377 - Introduction to Econometrics and Data Analytics

Course Description:
Introduction to applied estimation, testing and interpretation of economic models useful for business and policy decision-making. Emphasis on applied, client-driven

model formulation, data acquisition and manipulation, and model estimation using statistical regression in a desktop computing environment. Extensive practice in interpretation of results for business and policy audiences.

Credit Hours: 3 Prerequisite Courses:

ECN 222 and (MAT 151 or MAT 161) and (BAN 280 or STT 215).

Additional Restrictions/Requirements:

Prerequisite courses and either admission to Cameron School of Business or declared minor in economics.

Course Repeatability: Course may not be repeated.

ECN 421 - History of Economic Thought

Course Description:

Scientific economic thought and philosophy from ancient to modern times. Open-ended as to dates of time period covered. Primary emphasis is on topics as opposed to schools of thought.

Credit Hours: 3 Prerequisite Courses:

ECN 222 .

Additional Restrictions/Requirements:

Prerequisite courses and either admission to Cameron School of Business or declared minor in economics

Course Repeatability: Course may not be repeated.

ECN 426 - International Trade and Finance

Course Description:

A consideration of international trade theory and international financial institutions, including comparative advantage, exchange rates and balance of payments problems.

Credit Hours: 3 Prerequisite Courses:

ECN 222 and INB 300 .

Additional Restrictions/Requirements:

Prerequisite courses and either admission to Cameron School of Business or declared minor in economics.

Crosslisting:

INB 426 .

Course Repeatability: Course may not be repeated.

ECN 427 - Labor Economics

Course Description:

An analysis of the demand for and the supply of labor at the individual and the

aggregate level; labor unions and collective bargaining.
Credit Hours: 3 Prerequisite Courses:
ECN 222 .
Additional Restrictions/Requirements:
Prerequisite courses and either admission to Cameron School of Business or declared minor in economics.
Course Repeatability: Course may not be repeated.

ECN 428 - Applied Regional Analysis

Course Description:
Theoretical and applied analysis of patterns and trends in local, state, and regional economic growth. Use of current computer-based methods in regional economic analysis including economic impact models. Applied analysis of current regional issues and government policies to address these issues.
Credit Hours: 3 Prerequisite Courses:
ECN 222 .
Additional Restrictions/Requirements:
Prerequisite courses and either admission to Cameron School of Business or declared minor in economics.
University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

ECN 429 - Economics of Growth and Development

Course Description:
Economic principles are developed and applied to evaluate theories of economic growth and development in an international context. Major topics include: Measuring growth, theory of economic growth, the economics of poverty, agricultural issues, health, nutrition, productivity, gender bias, education, and technological change; government failures, migration and population growth, theories of income distribution, human capital theory, social capital theory, the effect of geography on growth, and sustainable development.
Credit Hours: 3 Prerequisite Courses:
ECN 222 .
Additional Restrictions/Requirements:
Prerequisite courses and either admission to Cameron School of Business or declared minor in economics.
University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

ECN 432 - Advanced Open Economy Macroeconomics

Course Description:

Analysis of forces that determine output, employment, inflation, wages, and interest rates in an open-economy setting. Topics include the challenges faced by policymakers, the role of exchange rates in the macroeconomic adjustment process, guidelines for monetary policy, and interactions between the macro economy and the financial system. Special emphasis on using high frequency macroeconomic data - such as employment, retail sales, housing, and CPI releases - to assess economic trends and present research on important policy issues. This course satisfies the oral competency requirement for the B.A. degree in Economics.

Credit Hours: 3 Prerequisite Courses:

ECN 322

Additional Restrictions/Requirements:

Prerequisite course and admission to the Cameron School of Business.

Course Repeatability: Course may not be repeated.

ECN 433 - Introduction to Speculative Markets

Course Description:

Elementary economics of financial futures and options markets. Mechanics of trading and coverage of existing regulations. Pricing and strategies in options and futures contracts in the markets for financial assets and commodities. Hedging, risk management and valuation.

Credit Hours: 3 Prerequisite Courses:

ECN 324 and FIN 335

Additional Restrictions/Requirements:

Prerequisite courses or consent of department chair and admission to Cameron School of Business.

Crosslisting:

FIN 433

Course Repeatability: Course may not be repeated.

ECN 477 - Advanced Econometrics and Research Methods

Course Description:

An introduction to the formalization of economic hypotheses into testable relationships and the application of appropriate statistical techniques. Theoretical aspects are covered, but primary emphasis is on computer application utilizing regression analysis.

Credit Hours: 3 Prerequisite Courses:

ECN 222 and (BAN 280 or STT 215) and ECN 377 .
Additional Restrictions/Requirements:
Prerequisite courses and either admission to Cameron School of Business or declared minor in Economics.
University Studies: ["Building Competencies/Writing Intensive", "Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

ECN 491 - Directed Individual Study

Course Description:
Please enter a description.
Credit Hours: 1 To 6 Additional Restrictions/Requirements:
Junior or senior standing and consent of department chairperson and admission to Cameron School of Business.
University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

ECN 495 - Seminar in Economics

Course Description:
This course may be repeated under a different subtitle.
Credit Hours: 1 To 3 Additional Restrictions/Requirements:
Junior or senior standing and consent of the department chairperson and admission to Cameron School of Business.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

ECN 498 - Internship in Economics

Course Description:
This class involves the application of economics concepts in a "real world" setting. The participant receives hands-on experience under the joint guidance of a manager from a business or not-for-profit organization and a faculty supervisor.
Credit Hours: 1 To 6 Additional Restrictions/Requirements:
Junior or senior standing, consent of department chairperson, and admission to Cameron School of Business.
University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated. Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

ECN 499 - Honors Work in Economics

Course Description:
Independent work for honors students.
Credit Hours: 2 To 3 Additional Restrictions/Requirements:

Senior standing and admission to Cameron School of Business.
University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

EDCR 201 - Pre-Clinical

Course Description:

This course introduces learners to the many facets of the public educational setting as they begin teaching. Students begin to establish supportive professional networks, identify useful resources, internalize teaching expectations, practice mindfulness, and explore technology tools for teaching. The course introduces the online delivery model used throughout the program.

Credit Hours: 1 Additional Restrictions/Requirements:

Restricted to non-degree seeking students.

Course Repeatability: Course may not be repeated.

EDCR 401 - Clinical Residency I

Course Description:

The first in a series of courses designed for Clinical Resident teachers who are currently serving in NC public schools (PK-12). This course is an introductory exploration of issues that are immediately necessary for the beginning teacher. It includes, but is not limited to, building relationships with students, classroom management, the instructional process, and serving diverse students. Teachers receive intense field support from both university and school system personnel.

Credit Hours: 3 Additional Restrictions/Requirements:

Restricted to non-degree seeking students.

Course Repeatability: Course may not be repeated.

EDCR 402 - Clinical Residency II

Course Description:

The second in a series of courses designed for Clinical Resident teachers who are currently serving in NC public schools (PK-12). This course includes a deeper investigation of topics explored in Clinical Residency I including, but not limited to, school improvement plans, building school-family-community connections, curriculum planning, content integration, differentiation of instruction, and assessment. Teachers receive intense field suppor from both university and school system personnel.

Credit Hours: 3 Prerequisite Courses:

EDCR 401

Additional Restrictions/Requirements:

Restricted to non-degree seeking students.
Course Repeatability: Course may not be repeated.

EDCR 406 - Clinical Residency III

Course Description:
This course addresses issues such as using data to promote student achievement, teacher reflection, and teacher leadership. Students will complete NC teacher licensure requirements (edTPA), and upon sucessful completion of these requirements, will be recommended for initial teacher licensure in NC.
Credit Hours: 3 Prerequisite Courses:
EDCR 402
Additional Restrictions/Requirements:
This course is restricted to non-degree seeking students in the clinical residency program.
Course Repeatability: Course may not be repeated.

EDCR 416 - Introduction to SLA for ESL Teachers

Course Description:
In this course, clinical residency ESL teachers will learn concepts related to second language acquisition, culturally responsive teaching and linguistics and how to apply them in the ESL classroom.
Additional Restrictions/Requirements:
This course is restricted to non-degree seeking students in the clinical residency program.
Course Repeatability: Course may not be repeated.

EDCR 417 - Teaching English as a Second Language: Methods 1

Course Description:
In this course, clinical residency ESL teachers will learn introductory concepts related to designing, implementing and assessing instruction for English language learners and how to apply them in the ESL classroom.
Credit Hours: 3 Additional Restrictions/Requirements:
This course is restricted to non-degree seeking students in the clinical residency program.
Course Repeatability: Course may not be repeated.

EDCR 418 - Teaching English as a Second Language: Methods 2

Course Description:

In this course, clinical residency ESL teachers will expand their knowledge of concepts related to designing, implementing and assessing instruction for English language learners and how to apply them in the ESL classroom.

Credit Hours: 3 Additional Restrictions/Requirements:

This course is restricted to non-degree seeking students in the clinical residency program.

Course Repeatability: Course may not be repeated.

EDCR 433 - Literacy Education in the Elementary Grades

Course Description:

This course is designed to provide opportunities for clinical residency teachers in North Carolina to formulate a professional philosophy of language and literacy development and learning, while developing a knowledge of classroom programs and practices and literacy learning engagements appropriate for all elementary children.

Credit Hours: 3 Additional Restrictions/Requirements:

Restricted to non-degree seeking students.

Course Repeatability: Course may not be repeated.

EDCR 434 - Teaching Mathematics in the Elementary Grades

Course Description:

Focus on the curriculum, materials, and methods appropriate for the teaching of mathematics for the kindergarten through sixth grade level.

Credit Hours: 3 Additional Restrictions/Requirements:

Restricted to non-degree seeking students.

Course Repeatability: Course may not be repeated.

EDCR 435 - Science and Social Studies Content Integration

Course Description:

Focuses on the curriculum, materials, and methods appropriate for the teaching of integrated science and social studies for the kindergarten through sixth grade level.

Credit Hours: 3 Additional Restrictions/Requirements:

Restricted to non-degree seeking students.

Course Repeatability: Course may not be repeated.

EDCR 443 - Middle Level Education and the Young Adolescent

Course Description:

This course will consider the educational implications of the characteristics of young adolescents on the teaching and learning experience; identify characteristics of

middle level education; explore role of teachers in middle grade schools.
Credit Hours: 3 Additional Restrictions/Requirements:
Restricted to non-degree seeking students.
Course Repeatability: Course may not be repeated.

EDCR 444 - Differentiation and Assessment in the Middle Grades

Course Description:
This course addresses developmentally appropriate methods of instruction and assessment in middle grades classrooms. There are three major areas of ongoing focus: middle grades learner diversity, instructional methods and application including planning and standards, and formative assessment strategies. Assessment techniques for young adolescent learners' understandings and needs will be incorporated.
Credit Hours: 3 Additional Restrictions/Requirements:
Restricted to non-degree seeking students.
Course Repeatability: Course may not be repeated.

EDCR 445 - Humanities Methods

Course Description:
This course addresses developmentally responsive teaching methods in middle grades social studies and language arts classrooms. It is designed for teachers in middle grades language arts and/or social studies. The conceptual foundation of the course is twofold: (a) interdisciplinary and thematic instruction, and (b) universal design for learning principles.
Credit Hours: 3 Additional Restrictions/Requirements:
Restricted to non-degree seeking students.
Course Repeatability: Course may not be repeated.

EDCR 446 - STEM Methods

Course Description:
This course addresses develpmentally responsive teaching methods in middle grades math and science classrooms. The conceptual foundation of the course is twofold: (a) interdisciplinary and thematic instruction, which has been identified as a best practice (Association for Middle Level Education) and (b) universal design for learning principles.
Credit Hours: 3 Additional Restrictions/Requirements:
Restricted to non-degree seeking students.
Course Repeatability: Course may not be repeated.

EDCR 451 - Supporting Adolescents in Secondary Schools

Course Description:

Focus on secondary education. Introduction to theories of learning, motivation, and assessment for adolescents. Knowledge and examination of current and innovative models for organizing learning for adolescents.

Credit Hours: 3 Prerequisite Courses:

EDCR 401 ; EDCR 402

Additional Restrictions/Requirements:

This course is restricted to non-degree seeking students in the clinical residency program.

Course Repeatability: Course may not be repeated.

EDCR 452 - Diverse Learners for Secondary Education

Course Description:

Teacher candidates will focus on teaching diverse learners in the high school classroom. Characteristics of students with disabilities, culturally and linguistically diverse individuals, and students at risk for school failure will be addressed. Includes instructional practices that support the learning of all students in general education classes.

Credit Hours: 3 Prerequisite Courses:

EDCR 401 ; EDCR 402

Additional Restrictions/Requirements:

This course is restricted to non-degree seeking students in the clinical residency program.

Course Repeatability: Course may not be repeated.

EDCR 453 - Methods and Materials for Secondary Educators

Course Description:

Students will plan, instruct, and assess utilizing best practices emphasis in theory, curriculum development, inquiry, classroom management and instructional strategies. Selection and design of materials and methods to meet students' cognitive, social and emotional learning needs. Planning and instruction for diverse student needs will be emphasized.

Credit Hours: 3 Prerequisite Courses:

EDCR 401 ; EDCR 402

Additional Restrictions/Requirements:

This course is restricted to non-degree seeking students in the clinical residency program.

Course Repeatability: Course may not be repeated.

EDN 100 - Foundations and Principles of Resident Assistantship

Course Description:

EDN 100 is a required course for first semster RAs. The course focuses on the expansion of knowledge, skills, and dispositions related to the overall residential experience. Students must earn a grade of C or better to retain RA employment.

Credit Hours: 2 Additional Restrictions/Requirements:

Must be employed as an RA to take the course.

Course Repeatability: Course may not be repeated.

EDN 103 - Future Teacher Career Academy Seminar I

Course Description:

The course is the first required seminar for Isaac Bear students participating in the Future Teacher Career Academy. Students will explore the teaching profession through selected educational readings, professional speakers, group discussions and special events. The focus of this course will be for FTCA participants to explore themselves as learners.

Credit Hours: 1 Course Repeatability: Course may not be repeated.

EDN 104 - Future Teacher Career Academy Seminar II

Course Description:

The course is the second required seminar for Isaac Bear students participating in the Future Teacher Career Academy. Students will explore the teaching profession through selected educational readings, professional speakers, group discussions and special events. Students focus on studying different kinds of learners similar and different from oneself.

Credit Hours: 1 Course Repeatability: Course may not be repeated.

EDN 105 - Education Living-Learning Seminar

Course Description:

This course is required of all Education Living-Learning Community (ELLC) participants during the spring semester of the freshman year. Students will orient to campus life as well as expand their knowledge of the education profession. Students will engage in collaborative learning, guest speakers, field experiences, readings of selected educational literature, and special events.

Credit Hours: 1 Additional Restrictions/Requirements:

Must be a resident of the Education Living-Learning Community housing.

Course Repeatability: Course may not be repeated.

EDN 200 - Teacher, School and Society

Course Description:

This course examines historical, sociological, and philosophical foundations of education as well as issues of diversity. The course engages students' knowledge, research, and analytical skills in relation to the goals and purposes of education. Students are challenged to critically reflect on personal and educational experiences as preservice professionals. The course is designed to provide opportunities to observe and engage in reflective discussion of curriculum and instructional practices, school governance and organization, and school-community relationships, inclusive of field experience. **Additional liability insurance expense may be necessary.**

Lab:

The lab for this course is EDNL 200 [Inactive].

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in Our Diverse Nation", "Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated.

EDN 203 - Psychological Foundations of Teaching

Course Description:

A study of the major psychological variables that influence learning in schools and their applications to teaching. Addresses theories and systems of learning (behavioral, cognitive, constructivist, and humanistic); major developmental processes and typical characteristics; and principles of motivation. Variables explaining and accounting for individual differences will be examined, including cultural aspects of learning and special needs learners. Students will learn about practices associated with effective teaching, including classroom management, and standards for valid assessment of student learning.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Understanding Human Institutions and Behaviors"] Course Repeatability: Course may not be repeated. Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

EDN 204 - Introduction to Early Childhood Education

Course Description:

This introductory course is designed for students who are interested in early childhood education and early intervention as professional careers. It examines the theoretical bases for teaching and early intervention with young children birth through five and their families. Content includes an overview of the historical roots, current issues, program models, and goals of early childhood education as well as an introduction to professional standards and organizations. Particular emphasis is

placed on environments and interactions that are responsive to children's developmental, individual, and cultural needs. Field experiences required.
Credit Hours: 3 Course Repeatability: Course may not be repeated. Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

EDN 211 - Principles of Leadership

Course Description:

This course will provide an introduction to leadership. Students will develop an understanding of the leadership theories, styles of leadership, and strategies for successful leadership. They will learn skills to enhance their leadership effectiveness in a variety of settings and will develop insights about themselves and others.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

EDN 230 - Tutoring Individuals and Small Groups

Course Description:

Analysis of current theory and practice application to small group and one-on-one tutoring with emphasis on adult learners. Introduction to tutoring as profession. Meets content requirements for Regular Tutoring Certificate through the College Reading and Learning Association.
Credit Hours: 2 Additional Restrictions/Requirements:

Employment as a tutor by a campus program or by consent of instructor.
Course Repeatability: Course may not be repeated.

EDN 240 - Foundational Literacy Skills Instruction

Course Description:

Emphasizes the assessment of and instruction in word recognition and other early and foundational literacyskills, especially those that develop oral language and connect speech to print.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

EDN 280 - Play and Creative Arts

Course Description:

Study of play behaviors and fine arts curriculum from birth to age five. Designed to prepare students to plan and deliver play-based and developmentally appropriate experiences that foster children's engagement in the cultural and performing arts (drama, dance, vocal and instrumental music, and visual art). Theory and practices for promoting play and developing creativity will be emphasized.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and

Literary Perspectives"] Course Repeatability: Course may not be repeated.

EDN 287 - Spanish for Educators

Course Description:

Emphasis on developing the ability to communicate, in Spanish, with students, parents, and others involved with the education of children.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

EDN 300 - Elementary School Programs and Practices

Course Description:

Focus on the purposes of the elementary school in today's society and the varied philosophical and theoretical stances used to design programs and select practices that will meet the needs of diverse learners. Ten hours of field experience required.

Credit Hours: 3 University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated. Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

EDN 301 - Instructional Design and Evaluation

Course Description:

Provides conceptual tools and analytic skills essential to planning, implementing, and evaluating instruction. The design of instruction that incorporates behavioral, cognitive and constructivist theories of learning and views of curriculum will be considered. Topics: types of learning; conditions of learning; performance objectives; purposes, forms, and procedures for educational assessment; task analysis, and lesson design.

Credit Hours: 3 Prerequisite Courses:

Prerequisite or corequisite:EDN 200 and EDN 203 .

Course Repeatability: Course may not be repeated.

EDN 302 - Child Observation and Assessment

Course Description:

Designed to develop a broad set of child and family observation skills and ability to conduct and interpret variety of means of child assessment, both formal and informal. Methods of assessment will include systematic observations, use of screening instruments, interview techniques, rating scales, portfolios and anecdotal records. Includes knowledge of assessment with culturally diverse populations and children with special needs. Field experiences required.

Lab:

The lab for this course is EDNL 302 .

Credit Hours: 3 Corequisite Courses:

EDNL 302

Course Repeatability: Course may not be repeated.

EDN 303 - Instructional Technology

Course Description:

Emphasizes the design, selection, production, and evaluation of instructional materials, computer-generated presentations, and interactive multimedia, with particular emphasis on their effective integration into an instructional unit. Develops skill in the operation of media production equipment, including microcomputers, fundamentals of operating systems, computer software applications, networks, and telecommunications.

Credit Hours: 3 University Studies: ["Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

EDN 304 - Creativity, Imagination, and Innovation in Education

Course Description:

This course will examine the creative process in teaching, curriculum design, and educational spaces. Students will explore the ways that individuals develop, implement and evaluate new ideas, processes, and programs related to education. Students will also study the cultivation of imagination and the nurturing of innovation using real-world examples.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

EDN 310 - School-Community Relations

Course Description:

Methods of improving school-community relations.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

EDN 311 - Education in a Global Context

Course Description:

This course examines the field of comparative and international education, including a focus on exploring complex global educational issues of equity, access, and quality. The course explores comparative case studies of education around the world.

Credit Hours: 3 Crosslisting:

INT 380 .

Course Repeatability: Course may not be repeated.

EDN 317 - Seminar in International Education

Course Description:

This course will focus on country-specific culture and cross-cultural experiences in education. The major emphasis of this course will be on the presentation of educational practices unique to a particular country or region.
Credit Hours: 1 To 3 Additional Restrictions/Requirements:
Consent of instructor.
Course Repeatability: Course may not be repeated.

EDN 318 - Middle School Programs and Practices

Course Description:
Overview of the conceptual and historic development of programs for students in grades six through nine. Comparison of varied curricular, instructional, and organizational aspects of the middle school movement. Major emphasis on exploring the educational implications of the developmental characteristics of early adolescent learners. Varied approaches to teaming, classroom management and mainstreaming will be investigated. Work will include observations in a variety of settings.
Credit Hours: 3 University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated. Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

EDN 319 - Meeting Needs of Special Students In Elementary Schools

Course Description:
This course will focus on strategies for meeting needs of individuals in elementary school classrooms. Students will study alternative methods for dealing with pupil differences that have an impact on academic and social behaviors. Characteristics of children with academic, intellectual, social-emotional, physical, cultural and language differences will be examined. Field experiences required.
Credit Hours: 3 Course Repeatability: Course may not be repeated. Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

EDN 320 - Diverse Learners

Course Description:
This course addresses meeting the needs of diverse learners in middle level classrooms (6-9). It is divided into three modules examining different aspects of diversity: differentiating instructionto address students' learning styles and intelligences; understanding characteristics of and adapting instruction to meet the

needs of special learners; and working with English language learners and their cultural contexts. Each module includes sections on assessing learner needs and adapting instruction to meet these needs. Field experiences required.
Credit Hours: 3 Course Repeatability: Course may not be repeated. Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

EDN 321 - Meeting Needs of Special Students in High Schools

Course Description:

This course will focus on strategies for meeting needs of individuals in high school classrooms. Students will study alternative methods for dealing with pupil differences that have an impact on academic and social behaviors. Characteristics of students with academic, intellectual, social-emotional, physical, cultural and language differences will be examined. Field experiences required.
Credit Hours: 2 Course Repeatability: Course may not be repeated.

EDN 322 - Foundations of Number and Algebraic Reasoning (K-6)

Course Description:

Focus on the curriculum, materials, and methods appropriate for the teaching of number and algebraic reasoning for the kindergarten through sixth grade level. Field experience required.
Lab:

The lab for this course is EDNL 322 .
Credit Hours: 3 Prerequisite Courses:

EDN 301
Additional Restrictions/Requirements:

Prerequisite course and completion of 6 semester hours of appropriate mathematics or statistics at the 101 level or higher, with minimum grade of C-.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

EDN 323 - Teaching Mathematics in the Middle Grades (6-9)

Course Description:

This course examines the curriculum, materials, and methods appropriate for the teaching of mathematics at middle grade levels. There is an emphasis on problem-based instruction including the selection and implementation of high-level mathematics tasks and the teacher's facilitation of problem-solving, collaboration and discussion. Coursework includes field experience.

Credit Hours: 3 Corequisite Courses:

EDN 439 .

Prerequisite Courses:

EDN 301 and EDN 318 and EDN 320 and EDN 352 .

Additional Restrictions/Requirements:

Prerequisite courses and 6 hours of mathematics.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated. Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:

Additional Course Fee Schedule

EDN 324 - Diagnostic Teaching of Mathematics (6-9)

Course Description:

Understanding of psychological and environmental factors that affect learning of school mathematics. Focus on methods and materials appropriate to diagnosis and remediation of mathematics difficulties common at the six through nine level. Awareness of strategies effective for enhancing self-confidence in mathematics learning. A field-based activity is required.

Credit Hours: 3 Prerequisite Courses:

EDN 323

Course Repeatability: Course may not be repeated.

EDN 325 - Foundations of Geometry, Measurement and Data (K-6)

Course Description:

Focus on the curriculum, materials, and methods appropriate for the teaching of geometry, measurement and data for the kindergarten through sixth grade level. Field experience required.

Credit Hours: 3 Prerequisite Courses:

EDN 322

Course Repeatability: Course may not be repeated. Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:

Additional Course Fee Schedule

EDN 330 - Teaching Diverse Learners (K-6)

Course Description:

Examines a range of aspects of diversity, with a view toward understanding the impact of these forces on teaching and learning. Uses an interdisciplinary approach that draws from academic and community resources and experiences to immerse students in practice and research related to multicultural education and multiple

dimensions of diversity.

Credit Hours: 3 Prerequisite Courses:

EDN 300 and EDN 301

Course Repeatability: Course may not be repeated. Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:

Additional Course Fee Schedule

EDN 334 - Social Studies Curriculum and Instruction (K-6)

Course Description:

An overview of the goals of social studies education and how this affects various patterns of organizing curricular content. The implications of learner developmental characteristics for selecting approaches to instruction from history as well as the social and behavioral sciences will be explored. Emphasis on selection and preparation of appropriate materials including the strategies of inquiry, critical thinking, mapping and graphing, simulation, and problem solution. Field experiences required.

Credit Hours: 3 Prerequisite Courses:

EDN 301

Additional Restrictions/Requirements:

Prerequisite course and 6 hours of social studies content.

University Studies: ["Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated. Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:

Additional Course Fee Schedule

EDN 335 - Social Studies Education in the Middle Grades

Course Description:

This course examines the curriculum, materials, and methods appropriate for teaching social studies at middle grade levels. There is an emphasis inquiry-based instruction including social inquiry in the real world, analysis of sources to build arguments, and teaching methods related to historical events and social studies phenomena. Coursework includes field experience.

Credit Hours: 3 Corequisite Courses:

EDN 439 .

Prerequisite Courses:

EDN 301 and EDN 318 and EDN 320 and EDN 352 .

Additional Restrictions/Requirements:

Prerequisite courses and 6 hours of social studies content.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may not

be repeated. Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

EDN 336 - The Teaching of Science (K-6)

Course Description:

Methods of teaching the biological, earth and physical sciences. Applications of the sciences to classroom experimentation and investigation. Examination of contemporary curricula used at the elementary school level. Field experiences required.

Credit Hours: 3 Prerequisite Courses:

EDN 301

Additional Restrictions/Requirements:

Prerequisite course and completion of two science courses, one of which must have a laboratory component, with minimum grade of C-.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

EDN 337 - Inquiry--The Method of Science

Course Description:

Assumes initial level competency in curriculum and methods of science. Focuses on conceptualization of and rationale for using inquiry method of teaching science. Provides opportunities to acquire and practice skills needed to utilize method and to guide scientific investigation at K-12 levels.

Credit Hours: 3 Additional Restrictions/Requirements:

A course in science methods or the completion of 15 hours toward a concentration or major in science or consent of instructor.

Course Repeatability: Course may not be repeated.

EDN 338 - The Teaching of Science (6-9)

Course Description:

This course includes a survey of curriculum and methods for teaching science in grades 6-9. There is an emphasis on scientific inquiry, topics that integrate learning across science disciplines, and the social implications of science and technology. Coursework includes field experience.

Credit Hours: 3 Corequisite Courses:

EDN 439 .

Prerequisite Courses:

EDN 301 and EDN 318 and EDN 320 and EDN 352 .

Additional Restrictions/Requirements:

Prerequisite courses and basic studies science courses.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated. Additional Course Fees: ["Student Blanket Professional Liability Insurance"]

Additional Fees Link:

Additional Course Fee Schedule

EDN 339 - Apprentice Field Experience

Course Description:

Designed to provide supervised extended experiences in public school classrooms beyond those required as a part of any one methods course. Focus on reflections concerning observations and use of pedagogy with elementary age students. Emphasis on integration in order to promote theory into practice. Weekly field experiences in designated sections of corequisite courses required.

Credit Hours: 1 Corequisite Courses:

EDN 334 and EDN 336 and EDN 344 and EDN 348

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 3 Repeat Limit: 3

EDN 340 - Applied Literacy Methods

Course Description:

This course emphasizes the instructional application of foundational and advanced literacy skills with a focus on the role of comprehension and research-based tools to support vocabulary acquisition, fluency, and reading for meaning.

Lab:

The lab for this course is EDNL 340 .

Credit Hours: 3 Corequisite Courses:

EDNL 340

Prerequisite Courses:

EDN 240

Course Repeatability: Course may not be repeated.

EDN 342 - Global Education Issues

Course Description:

This course is designed to provide a critical examination of global events and issues using the lens of the theory of global citizenship.

Credit Hours: 3 Additional Restrictions/Requirements:

Admission to Watson School of Education.

Course Repeatability: Course may not be repeated.

EDN 344 - Literature in the Elementary School (K-6)

Course Description:

The selection, evaluation, and integration of children's literature including books and other media for the elementary school curriculum.
Credit Hours: 3 Prerequisite Courses:
EDN 301
Course Repeatability: Course may not be repeated.

EDN 348 - Differentiated Literacy Assessment and Instruction

Course Description:
This final course in the literacy course sequence emphasizes the culmination of theory, practice, and assessment of literacy teaching and learning in classrooms, especially methods of differentiation across diverse student populations. A field experience is required.
Credit Hours: 3 Corequisite Courses:
EDNL 332 and EDNL 333
Prerequisite Courses:
EDN 340
Course Repeatability: Course may not be repeated. Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

EDN 350 - Comparative Education

Course Description:
This course will examine and compare major differences in the approach to education in the K-12 setting in selected countries/regions. Differences in theoretical approaches as well as application of pedagogies will be studied.
Credit Hours: 3 Additional Restrictions/Requirements:
Admission to Watson School of Education and consent of instructor.
Course Repeatability: Course may not be repeated.

EDN 352 - Developing Reading and Writing Competence in the Middle Grades

Course Description:
Develops understanding of reading and writing processes in the broad context of communication. Presents strategies for fostering and evaluating interest, fluency, and skill in reading and writing, both in developmental literary classes and in middle level, content subjects. Topics include organizational and instructional strategies for the development of reading and writing ability, techniques for motivating and guiding readers and writers, and strategies for study and comprehension, which support learning in all areas of the middle school curriculum. Field experiences required.

Credit Hours: 3 Additional Restrictions/Requirements:

Admission to the Watson School of Education.

University Studies: ["Building Competencies/Writing Intensive", "Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated. Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

EDN 355 - Language Arts Methods for the Middle Grades

Course Description:

Informed by current theory and research, this course examines developmentally appropriate curriculum, materials, assessments, and methods for the teaching of language arts at middle grades levels. The application of contemporary media and computer technology for the middle grades is incorporated. Coursework includes field experience.

Credit Hours: 3 Corequisite Courses:

EDN 439 .

Prerequisite Courses:

EDN 301 and EDN 318 and EDN 320 and EDN 352 .

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated. Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

EDN 356 - Reading for K-12 Teachers

Course Description:

Required course in the teaching of reading. Basic instructional reading strategies are developed with emphasis on introducing assignments, improving study skills, and fostering critical thinking. Students identify and learn to teach reading skills specific to varying content areas. Adjusting instruction to students' reading capabilities is stressed.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

EDN 370 - Gender and Education

Course Description:

This course will investigate the historical and contemporary issues related to gender, sexuality, and sex education. Specific topics will include: the construction of gender identity in educational settings, educational practices that reinforce or challenge gendered identities, single-sex education, and sexuality education. Students in the course will also explore laws and policies related to gender and sexuality in education.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

EDN 382 - Literacy Development in the Early Years

Course Description:

Designed to inform students of the theory and research that has influenced the development of principles and strategies for promoting emergent literacy. Developmentally appropriate literacy activities will be explored along with ways to use individualized assessment to gauge children's current abilities and to use and build upon what children bring to oral language, reading, and writing. The roles of supportive adults, print-rich environments and principles of multicultural learning will be investigated. Field experiences required.

Credit Hours: 3 Prerequisite Courses:

EDN 204 .

Additional Restrictions/Requirements:

Prerequisite course and admission to Watson College of Education.

Course Repeatability: Course may not be repeated.

EDN 383 - Mathematics and Science for the Early Years

Course Description:

Designed to acquaint B-K teachers with the curriculum, materials and methods used to teach basic concepts in mathematics and science to young children. Emphasis will be given to developmentally appropriate materials and experiences to promote power of observation and to encourage emergent conceptual abilities and cognitive processing skills. Field experiences required.

Credit Hours: 3 Prerequisite Courses:

EDN 204 .

Additional Restrictions/Requirements:

Prerequisite course and admission to Watson College of Education.

Course Repeatability: Course may not be repeated.

EDN 384 - Creating Preschool Environments

Course Description:

Prepares individuals who do not currently hold a clear Birth-Kindergarten license, and are currently teaching at the preschool level, to create developmentally appropriate preschool environments and adapt their skills for the preschool classroom. Emphasis is placed on creating or adapting interpersonal and physical environments to facilitate development in all domains and meet individual needs. Strategies for developing collaborative relationships with families will also be explored. Activities include lectures, discussion, demonstrations, individual and

group presentations, and laboratory assignments completed in the teacher's own classroom.

Credit Hours: 3 Additional Restrictions/Requirements:

Consent of instructor.

Course Repeatability: Course may not be repeated.

EDN 388 - Field Experience in Kindergarten

Course Description:

Corequisite: EDN 382 or EDN 430 . This course is designed to provide students with opportunities for application of concepts through forty hours of field work with kindergarten age children. Students will become acquainted with a variety of instructional strategies, materials, methods of instruction, and technology currently used in kindergarten programs.

Credit Hours: 1 Course Repeatability: Course may not be repeated.

EDN 400 - Immigration, Demographics, and Justice in Education

Course Description:

This course will consider immigration, changing demographics in the United States, the effects of these changes on schools and communities, and power structures that support and/or hinder school and community responses to changing demographics. Specific attention will be given also to differences in rural and urban demographic shifts and the effects of those shifts on education.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

EDN 401 - Professional Development of Teachers as Leaders

Course Description:

In-depth examination of the principles of leadership as they apply to the professional development of classroom teachers. Representatives from professional educational organizations as well as school leaders will discuss what is required for pre-service teachers as they prepare to enter the work force. Emphasis on the establishment of personally designed professional goals will allow students to prepare for their futures as classroom, school and organizational leaders.

Credit Hours: 1 Additional Restrictions/Requirements:

Formal enrollment in the Teaching Fellows Program or consent of director.

Course Repeatability: Course may not be repeated.

EDN 402 - Classroom Management in Secondary Schools

Course Description:

Designed to provide students with the necessary knowledge and skills for effective classroom management. Field experience required.

Credit Hours: 1 Corequisite Courses:

EDN 409

Course Repeatability: Course may not be repeated.

EDN 403 - Theory and Practice in Teaching Secondary English (9-12)

Course Description:

Emphasis on theory, curriculum development, inquiry, critical thinking, classroom management, instructional strategies and selection of appropriate instructional materials. Successful planning and teaching practices with adaptations to diverse needs of students will be discussed. Field experiences required (10-20 contact hours).

Lab:

The lab for this course is EDNL 403 .

Credit Hours: 3 Corequisite Courses:

EDNL 403

Prerequisite Courses:

EDN 301

Course Repeatability: Course may not be repeated.

EDN 404 - Theory and Practice in Teaching Secondary Mathematics (9-12)

Course Description:

Emphasis on theory, curriculum development, inquiry, critical thinking, classroom management, instructional strategies and selection of appropriate instructional materials. Successful planning and teaching practices with adaptations to diverse needs of students will be discussed. Field experiences required (10-20 contact hours).

Lab:

The lab for this course is EDNL 404 .

Credit Hours: 3 Corequisite Courses:

EDNL 404

Prerequisite Courses:

EDN 301

Course Repeatability: Course may not be repeated.

EDN 405 - Theory and Practice in Teaching Secondary Social Studies (9-12)

Course Description:

Emphasis on theory, curriculum development, inquiry, critical thinking, classroom management, instructional strategies and selection of appropriate instructional materials. Successful planning and teaching practices with adaptations to diverse needs of students will be discussed. Field experiences required (10-20 contact hours).

Lab:

The lab for this course is EDNL 405 .

Credit Hours: 3 Corequisite Courses:

EDNL 405

Prerequisite Courses:

EDN 301

Course Repeatability: Course may not be repeated.

EDN 406 - Theory and Practice in Teaching Secondary Science (9-12)

Course Description:

Emphasis on theory, curriculum development, inquiry, critical thinking, classroom management, instructional strategies and selection of appropriate instructional materials. Successful planning and teaching practices with adaptations to diverse needs of students will be discussed. Field experiences required (10-20 contact hours).

Lab:

The lab for this course is EDNL 406 .

Credit Hours: 3 Corequisite Courses:

EDNL 406

Prerequisite Courses:

EDN 301

Course Repeatability: Course may not be repeated.

EDN 407 - Theory and Practice in Teaching Foreign Languages (K-12)

Course Description:

Emphasis on theory, curriculum development, inquiry, critical thinking, classroom management, instructional strategies and selection of appropriate instructional materials. Successful planning and teaching practices with adaptations to diverse needs of students will be discussed. Field experiences required (10-20 contact hours).

Lab:

The lab for this course is EDNL 407 .

Credit Hours: 3 Corequisite Courses:

EDNL 407

Prerequisite Courses:

EDN 301

Course Repeatability: Course may not be repeated.

EDN 408 - Instructional Seminar

Course Description:

Physical education and music education majors do not need to take corequisite course. Development of instructional skills required for successful teaching with regard for the particular needs of the student's academic discipline and the effective management of the classroom. Designed as a culmination of professional study and an initiation into the internship and the teaching profession. Emphasis is given to professional documentation of reflective growth.

Credit Hours: 3 Corequisite Courses:

EDN 409

Additional Restrictions/Requirements:

Corerequisite course, all professional core and specialty area courses, acceptance into the Watson School of Education, and a 2.70 GPA on all work attempted at UNCW.

Course Repeatability: Course may not be repeated.

EDN 409 - Student Teaching

Course Description:

Physical education and music education majors do not need to take corequisite course. Students will be assigned full-time to practicum sites within their areas of specializations. During the course, students will engage in a variety of supervised instructional activities, assuming increasingly wider responsibility for class instruction. Practical are offered in the following areas of specialization: biology, chemistry, English, French, geology, history, mathematics, music, physical education (and health), physics, social studies, and Spanish.

Credit Hours: 12 Corequisite Courses:

EDN 408

Additional Restrictions/Requirements:

Corequisite course, and as specified for EDN 408 .

University Studies: ["Explorations Beyond the Classroom", "Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated. Additional Course Fees:

["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

EDN 410 - Seminar in Education

Course Description:

Designed as a culmination of professional study and an initiation into student teaching and the teaching profession. Provides opportunities to extend and apply understandings of the roles of the teacher as a decision-maker, particularly in the areas of planning, instruction, management, and evaluation.

Credit Hours: 3 Corequisite Courses:

EDN 411

Additional Restrictions/Requirements:

Corequisite course, all courses in the professional core and professional education areas appropriate for the concentration for 6-9 and special education majors, and a 2.70 GPA on all work attempted at UNCW.

Course Repeatability: Course may not be repeated.

EDN 411 - Student Teaching (K-6; 6-9)

Course Description:

A full-time practicum experience within the area of specialization. Students will engage in a variety of supervised instructional activities, assuming an increasing amount of responsibility for all phases of classroom instruction. Practicum are offered in the areas of elementary education (K-6), middle grades education (6-9), and special education.

Credit Hours: 12 Corequisite Courses:

For elementary education majors, EDN 413 and EDN 419 .

Additional Restrictions/Requirements:

All courses in the professional core and specialty areas appropriate for the concentration for K-6, 6-9 majors and a 2.70 GPA on all work attempted at UNCW.

University Studies: ["Explorations Beyond the Classroom", "Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated. Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

EDN 412 - Extended Practicum

Course Description:

A part-time practicum experience within the appropriate area of licensure. Students will engage in supervised instructional activities that extend their understandings and teaching performance to an additional area of preparation. Areas of specialization include education of young children, elementary, middle grades,

special education, and secondary education.

Credit Hours: 3 To 6 Additional Restrictions/Requirements:

Appropriate curriculum and instruction courses and consent of the appropriate department chairperson.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link: Additional Course Fee Schedule

EDN 413 - Classroom Management Seminar (K-6)

Course Description:

This course is designed to assist student interns in establishing and maintaining a positive elementary classroom climate for diverse learners. It will provide a forum for discussion for interns by involving current classroom teachers and making use of field placements experiences. A survey of K-6 management techniques grounded in current teaching practice will be shared.

Credit Hours: 1 Corequisite Courses:

EDN 411 and EDN 419

Course Repeatability: Course may not be repeated.

EDN 414 - Integrating the Arts in the Elementary Curriculum

Course Description:

Designed to provide experiences with visual art, music, drama, and dance that will prepare students to plan and deliver appropriate experiences for elementary students. Attention will be given to understanding the arts in culture, the needs of young children in the arts, the creative process, the skills and concepts of the arts, and connections to other disciplines. Emphasis will be on integrating arts instruction in other areas of the curriculum. Field experience required.

Credit Hours: 3 Course Repeatability: Course may not be repeated. Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link: Additional Course Fee Schedule

EDN 415 - Education Media Design and Production

Course Description:

This course will provide students with an understanding of the design principles underlying the production of instructional materials and with the necessary production techniques. Emphasis will be placed upon the production of materials and their effective integration into an instructional unit. Students will design, produce, and evaluate a number of projects using techniques common to media programs in public schools and the authors who have made contributions to this

field.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

EDN 416 - Instructional Applications of Computers

Course Description:

Designed to develop skills in using computers as tools in instruction and to make judgments about instructional materials designed for use on computers. Topics include: (a) introduction to computing systems, (b) introduction to microcomputer programming languages, (c) authoring languages, (d) judging instructional "software", (e) using computers to manage classroom records, (f) using computers in instruction. and (g) teleprocessing and automated data bases. Activities will include group lectures, demonstrations, and discussions, projects in software designed for classroom management and instruction. The major focus is on microcomputer application.

Credit Hours: 3 Prerequisite Courses:

EDN 301 and EDN 303

Additional Restrictions/Requirements:

Prerequisite courses or consent of instructor.

Course Repeatability: Course may not be repeated.

EDN 419 - Seminar in Education (K-6)

Course Description:

Designed as a culmination of professional study and an initiation into student teaching and the teaching profession. Provides opportunities to extend and apply understandings of the roles of the teacher as a decision-maker, particularly in the areas of planning, instruction, management, and evaluation.

Credit Hours: 1 Corequisite Courses:

EDN 411

Additional Restrictions/Requirements:

Corerequisite course, all courses in the professional core and professional education areas appropriate for the concentration for K-6, and a 2.7 GPA on all work attempted at UNCW.

Course Repeatability: Course may not be repeated.

EDN 420 - Instructional Seminar - Foreign Languages

Course Description:

Corequisite course only applies to students pursuing teacher licensure in Spanish or French. Development of instructional skills required for successful teaching with regard for the particular needs of the student's academic discipline and the effective

management of the classroom. Designed as a culmination of professional study and an initiation into the internship and the teaching profession. Emphasis given to professional documentation of reflective growth.

Credit Hours: 3 Corequisite Courses:

EDN 409

Additional Restrictions/Requirements:

Corerequisite course, all professional core and specialty area courses, acceptance into the Watson School of Education, and a 2.70 GPA on all work attempted at UNCW.

Course Repeatability: Course may not be repeated.

EDN 424 - Child Guidance

Course Description:

This course is designed to introduce students to theories, principles and techniques for developmentally appropriate guidance of young children birth through five years. Emphasis is placed on guidance techniques, strategies and appropriate interventions that teachers can use to facilitate young children's autonomy and self-discipline while promoting development of self-concept and prosocial behaviors. The effect of the environment and adult-child interaction on guidance will be examined. Class activities include lectures, small and large group discussions, cooperative learning activities, video illustrations, case analyses, problem solving exercises, and field experience reflections. Field experiences required.

Credit Hours: 3 Prerequisite Courses:

EDN 204 or EDN 203

Course Repeatability: Course may not be repeated. Additional Fees Link:
Additional Course Fee Schedule

EDN 425 - Educational Policy and Advocacy

Course Description:

In this course students will study local, state, national, and international policies related to education. Students will examine the causes and effects of specific policies for teachers, students, and communities. Students will complete an in-depth study of a group or agency that advocates for children, youth, families, and/or schools. A capstone project is included in this course.

Credit Hours: 3 University Studies: ["Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated.

EDN 426 - Island Ecology for Educators

Course Description:

Through interaction with resources and experts students will develop readily accessible, web-based materials through engagement in field based exploration of plants and animals of coastal ecosystems and environmental issues. This course focuses on both science content and pedagogical resource development.
Credit Hours: 3 Crosslisting:

EVS 426

Course Repeatability: Course may not be repeated.

EDN 430 - Preschool Curriculum

Course Description:

Provides students the understandings, skills, and abilities necessary to implement an effective preschool program. Emphasis placed on knowledge of the curriculum content and the effective combinations and correlations of these contents for a preschool program. Activities include lectures, discussions, demonstration, individual, and group projects. Field experiences required.
Credit Hours: 3 Prerequisite Courses:

EDN 204 or EDN 203 .

Additional Restrictions/Requirements:

Prerequisite courses and admission to Watson College of Education.
Course Repeatability: Course may not be repeated.

EDN 431 - Teaching in the Primary Grades

Course Description:

Designed to develop a broad overall view of teaching in the primary grades. The course includes examination of the history, current "state of the art" and possible future of primary education. Focus is on the application of knowledge of child development and learning theories in organizing and implementing the primary school curriculum in an integrated and interdisciplinary fashion. Study of classroom organization and management for effective teaching in the primary grades will be undertaken.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

EDN 432 - Interdisciplinary Curriculum and Instruction

Course Description:

Examines principles of interdisciplinary curriculum and instruction and explores its appropriateness for middle grades and intermediate students. Alternative approaches to designing interdisciplinary curriculum and instruction such as thematic units and exploratory and interest-based study will be examined. Emphasizes the possible linkages among the disciplines, focusing on thinking and

communication skills, concepts and problem solving learning, as well as value clarification/resolution.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

EDN 434 - Students Exposed to Trauma and Adversity

Course Description:

This course examines the effects childhood trauma and adversity have on cognitive and social development and provides strategies and best practices to promote academic achievement. It explores a variety of adverse childhood experiences (ACEs) and promotes resilience-building techniques to minimize the effects of trauma. Trauma-informed approaches and self-care are essential components of the course.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

EDN 439 - Field Studies in the Middle Grades (6-9)

Course Description:

Students will learn about and apply ideas about thematic instruction, teamwork, assessment, classroom management, legal and ethical issues, and parent/family/community involvement in middle level education. This course provides opportunities to extend understandings of the middle grades teacher as a professional in those areas. The course includes extensive field experiences.
Credit Hours: 3 Corequisite Courses:

Corequisite with at least one of the following: EDN 323 , EDN 335 , EDN 338 , EDN 355 .

Additional Restrictions/Requirements:

Open only to Middle Grades Education majors.

Course Repeatability: Course may not be repeated. Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

EDN 442 - Introduction to Gifted Education

Course Description:

Focuses on the study of gifted education including historical and current views in the field. Emphasis placed on understanding the unique characteristics of gifted learners, issues of identification, and traditionally underrepresented populations. Includes readings, lecture, discussion, presentations, and applied learning assignments.
Credit Hours: 3 Crosslisting:

EDN 552

Course Repeatability: Course may not be repeated.

EDN 444 - Curriculum, Methods, and Materials for Gifted Education

Course Description:

Examines effective curriculum, methods, and materials to sue in support of gifted learners. Course focuses on talent development as well as effective curricular, instructional, management, and assessment strategies including differentiated instructional practices, and advanced problem-solving, and independent learning for gifted learners.

Credit Hours: 3 Prerequisite Courses:

EDN 442

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Crosslisting:

EDN 554

Course Repeatability: Course may not be repeated.

EDN 450 - Infant and Toddler Program Models

Course Description:

Designed to inform students of the goals, philosophies and program characteristics of exemplary programs in very early childhood education (birth to age three). Developmentally appropriate settings and activities for infants and toddlers will be studied, and ways of working with parents will be explored. Optimal caregiving strategies and skills needed for providing a quality program for infants and toddlers will be emphasized. Field experiences required.

Credit Hours: 3 Prerequisite Courses:

EDN 204 or EDN 203 .

Additional Restrictions/Requirements:

Prerequisite courses and admission to Watson College of Education.

Course Repeatability: Course may not be repeated.

EDN 451 - Adaptive Practices in Early Childhood

Course Description:

Designed to develop both planning and intervention skills for working with young children with special needs and their families. Students will plan educational programs, which include use of specific intervention techniques and practices from recognized early intervention programs for children showing a typical development. Attention will be given to adopting strategies to include exceptional children in

programs for typically developing young children. Field experiences required.
Credit Hours: 3 Corequisite Courses:

EDNL 451 .

Prerequisite Courses:

EDN 204 or EDN 203 or SED 250 .

Additional Restrictions/Requirements:

Corequisite course, prerequisite courses and admission to Watson College of Education.

University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

EDN 452 - Early Intervention

Course Description:

This course is designed to inform students of the goals, philosophies, and program characteristics of exemplary programs in early childhood education for children with disabilities (birth to age three). Developmentally appropriate settings and activities for infants and toddlers with disabilities will be explored.

Credit Hours: 3 Prerequisite Courses:

EDN 204 and SED 250 .

Additional Restrictions/Requirements:

Prerequisite courses and admission to Watson College of Education.

Course Repeatability: Course may not be repeated.

EDN 455 - International Education Field Experience

Course Description:

This course is designed to provide experiences in a selected educational setting as part of a study abroad program.

Credit Hours: 1 To 6 Additional Restrictions/Requirements:

Admission to Watson School of Education and consent of instructor.

Course Repeatability: Course may not be repeated.

EDN 460 - Administration of Preschool Programs

Course Description:

The administration of early childhood education programs will be studied, including planning, scheduling, enrollment, licensure and evaluation of programs operating in various settings. Relevant federal and state legislation, policies and regulations will be examined. Public policy questions in the United States and the implications of policy decisions for program administration will be examined. Possibilities for integrating child and parent education will also be explored. Field experiences

required.

Credit Hours: 3 Prerequisite Courses:

EDN 204 .

Additional Restrictions/Requirements:

Prerequisite course and admission to Watson College of Education.

Course Repeatability: Course may not be repeated.

EDN 463 - Child, Family, and Teacher Relations

Course Description:

This course is designed to enable students to develop their knowledge of the elements of partnership with families in early childhood settings. The course develops an understanding of traditional and non-traditional families, structural and lifestyle variations and parenting in diverse cultures and at-risk families. Approaches for establishing and sustaining collaboration among professionals, parents, caregivers and community agencies on behalf of children with and without special needs will be explored. Field experiences required.

Credit Hours: 3 Prerequisite Courses:

EDN 204 .

Additional Restrictions/Requirements:

Prerequisite course and admission to the Watson College of Education.

Course Repeatability: Course may not be repeated.

EDN 465 - Student Teaching in Early Childhood Education (B-K)

Course Description:

A full-time practicum experience with young children and their families in an approved early childhood setting. Students will engage in a variety of supervised activities assuming an increasing amount of responsibility for all phases of an educational program for young children and their families. Emphasis is on the teacher intern as a decision maker and reflective practitioner.

Credit Hours: 10 Additional Restrictions/Requirements:

Admission to Watson College of Education and completion of all specialty area coursework. A 2.70 GPA on all work at UNCW is required.

University Studies: ["Explorations Beyond the Classroom", "Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated. Additional Course Fees: ["Additional Fee - General Professional Internship Liability Insurance"] Additional Fees Link: Additional Course Fee Schedule

EDN 466 - Student Teaching for Early Childhood Practitioners

Course Description:

Assists practicing Pre-K teachers without current B-K licensure to develop and refine

the skills necessary to apply successful instructional practices in an early childhood classroom setting. Discussion will include shifting paradigms in teaching/learning and how they relate to current trends in early childhood education. Emphasis will be placed on understanding the role of developmentally and individually appropriate practices with preschool children.

Credit Hours: 3 Additional Restrictions/Requirements:

Admission to Watson School of Education and consent of instructor.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated. Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:

Additional Course Fee Schedule

EDN 467 - Non-Licensure Practicum

Course Description:

Must receive program approval to enroll. A supervised practicum experience working with children and/or their families in a school or community setting. Designed for students who are completing a degree in education without earning licensure, this practicum promotes integration of the knowledge, skills, and dispositions required to be an effective educator. The practicum placement is selected to be consistent with the student's career goals. Placement and field hours must be approved by the instructor. This course does not fulfill the requirements for North Carolina teacher licensure.

Credit Hours: 6 to 12 Additional Restrictions/Requirements:

Admission to Watson College of Education and consent of instructor. Must receive full program approval to enroll. Not guaranteed. Does not result in licensure (licensure test requirement waived for elementary majors).

University Studies: ["Explorations Beyond the Classroom", "Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated. Additional Fees Link:

Additional Course Fee Schedule

EDN 468 - International Practicum in Education

Course Description:

A full-time practicum experience within the area of specialization. Students will engage in a variety of supervised instructional activities, assuming an increasing amount of responsibility for all phases of classroom instruction.

Credit Hours: 6 to 12 Additional Restrictions/Requirements:

Admission to Watson School of Education and consent of instructor.

Course Repeatability: Course may not be repeated.

EDN 480 - Exploring the Field of International Education

Course Description:

This course focuses on the field of international education at the higher education level. It is designed to provide students with the capacity to work with or within education abroad, international student & scholar services, and international student recruitment, and to understand trends, relationships, and perspectives within the field.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

EDN 491 - Directed Individual Study

Course Description:

Please enter a description.

Credit Hours: 1 To 3 Additional Restrictions/Requirements:

Junior or senior standing, overall GPA of at least 2.00 and consent of department chair.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

EDN 495 - Selected Topics in Education

Course Description:

Selected topics in education of varying duration and credit.

Credit Hours: 1 To 3 Additional Restrictions/Requirements:

Junior or senior standing.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

EDN 499 - Honors Work in Education

Course Description:

Independent study for honors students.

Credit Hours: 2 To 3 Additional Restrictions/Requirements:

Senior standing.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

EDNL 302 - Field Experience in Early Childhood Education

Course Description:

Provides students with opportunities for application of concepts through forty-five hours of fieldwork with young children and their families in a variety of community settings including public schools, preschools, childcare centers, and private homes under the supervision of licensed service providers.

Lab:

This course is the lab for EDN 302 and requires 30 hours of field experience.
Credit Hours: 3 Corequisite Courses:

EDN 302

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated.

EDNL 322 - Math Laboratory

Course Description:

This course is designed to provide students with supervised tutorial experiences with school-aged children. Focus on observation of students, development of math lesson plans, math instruction for individual students, evaluation of student performance, interacting with parents, and reflecting on instructional performance.
Lab:

This course is the lab for EDN 322 .
Credit Hours: 0.5 Corequisite Courses:

EDN 322

Course Repeatability: Course may not be repeated. Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

EDNL 331 - Apprentice Field Experience I

Course Description:

Designed to provide supervised extended experiences in public elementary school classrooms. Students will complete field experience requirements of enrolled methods courses and will assist with small group instruction and general classroom responsibilities. Field placement will require 4 hours, one day per week for entire semester.
Credit Hours: 1 Course Repeatability: Course may not be repeated. Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

EDNL 332 - Apprentice Field Experience II

Course Description:

Designed to provide supervised extended experiences in public elementary school classrooms. Students will complete field experience requirements of methods courses and will plan and teach whole group lessons. Field placement will require one full day per week for entire semester.
Credit Hours: 1 Prerequisite Courses:

EDNL 331

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may not

be repeated. Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

EDNL 333 - Apprentice Field Experience III

Course Description:

Designed to provide supervised extended experiences in public elementary school classrooms. Students will complete field experience requirements of methods courses and will plan and teach multiple lessons. Field placement will require students to teach for two intensive weeks in school.

Credit Hours: 1 Prerequisite Courses:

EDNL 331

University Studies: ["Explorations Beyond the Classroom", "Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated. Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

EDNL 340 - Reading Laboratory

Course Description:

This course is designed to provide students with supervised tutorial experiences with school-aged children. Focus on observation of students, development of literacy lesson plans, literacy instruction for individual students, evaluation of student performance, interacting with parents, and reflecting on instructional performance.

Credit Hours: 0.5 Corequisite Courses:

EDN 340

Course Repeatability: Course may not be repeated. Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

EDNL 403 - Field Experience in Secondary English

Course Description:

Designed to provide supervised extended experiences in public school classrooms beyond those required as a part of the methods course. Focus on reflections concerning observations and use of pedagogy with secondary students. Emphasis on integration in order to promote theory into practice. Weekly field experiences in designated sections of corequisite course required.

Lab:

This course is the lab for EDN 403 .

Credit Hours: 1 Corequisite Courses:

EDN 403

Course Repeatability: Course may not be repeated.

EDNL 404 - Field Experience In Secondary Math

Course Description:

Designed to provide supervised extended experiences in public school classrooms beyond those required as a part of the methods course. Focus on reflections concerning observations and use of pedagogy with secondary students. Emphasis on integration in order to promote theory into practice. Weekly field experiences in designated sections of corequisite course required.

Lab:

This course is the lab for EDN 404 .

Credit Hours: 1 Corequisite Courses:

EDN 404

Course Repeatability: Course may not be repeated.

EDNL 405 - Field Experience in Secondary Social Studies

Course Description:

Designed to provide supervised extended experiences in public school classrooms. Focus on reflections concerning observations and use of pedagogy with secondary social studies students. Emphasis on integration to promote theory into practice. Weekly field experiences in designated sections of corequisite course required. Weekly field experiences in designated sections of corequisite course required.

Lab:

This course is the lab for EDN 405 .

Credit Hours: 1 Corequisite Courses:

EDN 405

Course Repeatability: Course may not be repeated.

EDNL 406 - Field Experience in Secondary Science

Course Description:

Designed to provide supervised extended experiences in public school classrooms beyond those required as a part of the methods course. Focus on reflections concerning observations and use of pedagogy with secondary students. Emphasis on integration in order to promote theory into practice. Weekly field experiences in designated sections of corequisite course required.

Lab:

This course is the lab for EDN 406 .

Credit Hours: 1 Corequisite Courses:

EDN 406

Course Repeatability: Course may not be repeated.

EDNL 407 - Field Experience in Foreign Language

Course Description:

Designed to provide supervised extended experiences in public school classrooms. Focus on observations, reflections concerning observations, and use of pedagogy with foreign language students K-12. Emphasis on integration of theory and practice.

Lab:

This course is the lab for EDN 407 .

Credit Hours: 1 Corequisite Courses:

EDN 407

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated. Additional Course Fees: ["Student Blanket Professional Liability Insurance"]

Additional Fees Link:

Additional Course Fee Schedule

EDNL 430 - Field Experience in Kindergarten

Course Description:

Provides students with opportunities for application of concepts through forty-five hours of fieldwork with kindergarten-aged children. Students will be acquainted with a variety of instructional strategies, materials, methods of instruction and technology currently used in kindergarten programs.

Credit Hours: 3 Corequisite Courses:

EDN 430 .

Prerequisite Courses:

EDN 204 .

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated.

EDNL 451 - Field Experience in Special Education

Course Description:

Provides students with opportunities for application of concepts through thirty hours of fieldwork with young children and their families in a variety of community settings including public schools, preschools, and childcare facilities under the supervision of licensed service providers.

Lab:

This course is the lab for EDN 451 and requires 30 hours of field experience.

Credit Hours: 2 Corequisite Courses:

EDN 451 .

Prerequisite Courses:

EDN 204 or EDN 203 .

Additional Restrictions/Requirements:

Corequisite course, prerequisite course and admission to Watson College of Education and consent of instructor.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated. Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:

Additional Course Fee Schedule

TSL 425 - Introduction to Dual Language/Immersion Programs

Course Description: Introduction to the field of Dual Language and Language Immersion programs. This course is designed to introduce students to the history and philosophy of dual language and language immersion education. Credit Hours: 3 Corequisite Courses: None Prerequisite or Corequisite Courses: None Prerequisite Courses: None Additional Restrictions/Requirements: None Course Repeatability: Course may not be repeated. Major Restriction: None Minor Restriction: None

EGN 101 - Introduction to Engineering

Course Description:

Profession and practice of engineering. Ethics, professionalism, unit systems, problem solving, data presentation, communication, teamwork, and design.

Credit Hours: 2 Additional Restrictions/Requirements:

This course is restricted to Freshman students only.

University Studies: ["Foundations/First Year Seminar"] Course Repeatability: Course may not be repeated.

EGN 102 - Introduction to Coastal Engineering

Course Description:

Introduction to the field of coastal engineering and its relationship to other engineering disciplines (civil, structural, environmental) and sciences (geology, oceanography). Examination of basic wave mechanics, tide theory, coastal storm processes and sediment transport processes to support a basic understanding of coastal erosion and approaches to address coastal erosion.

Credit Hours: 3 Prerequisite Courses:

EGN 101 (C- or better), MAT 161

University Studies: ["Approaches and Perspectives/Living in a Global Society"] Course Repeatability: Course may not be repeated.

EGN 201 - Engineering Statics

Course Description:

An introduction to concepts in engineering based on forces in equilibrium. Topics include basic force concepts and equilibrium analysis, distributed forces, centroids, moments of inertia, application to structural elements. Upon completion, students should be able to solve problems which require the ability to analyze systems of forces in static equilibrium.

Credit Hours: 3 Prerequisite Courses:

PHY 201 .

Course Repeatability: Course may not be repeated.

EGN 202 - Engineering Dynamics

Course Description:

This course introduces the dynamical analyses of the response to forces. Topics include kinematics and kinetics of particles, systems of particles, and rigid bodies; absolute and relative motion; Newtown's laws, work-energy and impulse-momentum methods.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

EGN 210 - Engineering Economic Analysis

Course Description:

This course is focused on engineering and managerial decision making. Topics will include the theory of interest; equivalent annual costs; present worth; internal rates of return; benefit/cost ratios. Techniques in cost minimization models and sensitivity analysis will be developed in the context of engineering examples.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

EGN 220 - Engineering Graphics

Course Description:

Introduction to basic engineering graphics principles, skills and practices using Computer Aided Drafting and Design (CADD) software. Topics include sketching, selection of methods and tools, and hands on use of current CADD software applications. Considers design, creation of drawings, plan sheets, and cross-sections, calculations, and assembly of construction drawings.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

EGN 301 - Mechanics of Solids

Course Description:

Elementary analysis of deformable solids subjected to force systems. Topics include material behavior; relationship between external forces acting on elastic and inelastic bodies and the resulting behavior; stress and deformation of bars, beams,

shafts, pressure vessels, stress and strain; combined stresses; columns.
Credit Hours: 3 Prerequisite Courses:
EGN 201 (C- or better)
Course Repeatability: Course may not be repeated.

EGN 310 - Fluid Mechanics for Engineers

Course Description:
Fluid mechanics uses knowledge from mathematics, physics, statics, and dynamics to analyze problems involving the fluid medium. Topics include fluid properties, hydrostatic pressure, pressure on surfaces, conservative equations of mass, momentum and energy, pumps and turbines, open channel flows, and pipe flows in relation to real world engineering problems.
Credit Hours: 3 Prerequisite Courses:
MAT 361 and EGN 201 (C- or better)
Course Repeatability: Course may not be repeated.

EGN 311 - Coastal Engineering and Fluids Lab

Course Description:
Applied methods in laboratory investigations into coastal engineering and fluid mechanics principles in a sequence of seven experiments: hydrostatic pressure on submerged surface, stability of a floating body, flow from a hole, hydraulic jump, flow measurement, wave measurements in a wave flume, and beach sediment analysis.
Credit Hours: 1 Prerequisite Courses:
EGN 330 (C- or better)
Course Repeatability: Course may not be repeated.

EGN 320 - Water Resources Engineering

Course Description:
Introduction to quantitative methods in water resource systems. Topics include hydrology, precipitation, hydrograph analysis, reservoir and steam routing; groundwater, Darcy equation, well equation, well design; probability concepts in design; water law;dams; reserviors; spillways; open channel and pipe network hydraulics; pumps; urban stormwater drainage; flood damage mitigation.
Credit Hours: 3 Prerequisite Courses:
EGN 310 (C- or better)
Course Repeatability: Course may not be repeated.

EGN 330 - Coastal Wave Mechanics

Course Description:
Examination of the mechanics of water wave motion using linear and non-linear

wave theories. Exploration of wave generation, forecasting and measurement. Covers wave propagation and transformation from offshore to the nearshore where waves interact with the bottom causing shoaling, breaking and initiating sediment movement.

Credit Hours: 3 Prerequisite Courses:

MAT 361

Course Repeatability: Course may not be repeated.

EGN 340 - Matlab for Engineering Analysis

Course Description:

An introduction to the MATrix LABoratory (MATLAB) software. Topics to be covered include: basic programming; data management and manipulation; curve fitting and interpolation; image processing; advanced 3D plotting and movie generation; and basic applied numerical methods.

Credit Hours: 3 Prerequisite Courses:

MAT 261 .

Course Repeatability: Course may not be repeated.

EGN 400 - Fundamentals of Engineering Review

Course Description:

Review of topics on the National Council of Examiners for Engineering and Surveying (NCEES) Fundamentals of Engineering (FE) exam. Students become familiar with exam topics and get hands-on problem-solving skills. All 14 topics for the "Other Disciplines" exam specification are covered.

Credit Hours: 1 Prerequisite Courses:

EGN 301 (C- or better), EGN 320 (C- or better), and EGN 340 (C- or better).

Course Repeatability: Course may not be repeated.

EGN 401 - Sediment Transport Processes

Course Description:

This course will examine the physical processes of sandy beaches, coastal sediments, surf zone dynamics, beach profile evolution and cross-shore and longshore sediment transport. The class will also cover beach profile response and sediment transport as a result of waves, currents and storms.

Credit Hours: 3 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

EGN 402 - Dredging and Beach Nourishment

Course Description:

This course will examine types of dredges and their operation and the process of

dredging for beach nourishment. Students will learn about the elements of beach nourishment design including cross-shore and planform design considerations, borrow areas (upland, offshore and inlets), environmental effects of beach nourishment and current dredging/beach nourishment costs. Numerical modeling of beach and dune erosion, shoreline change and storm induced impacts will be introduced. Local examples and ongoing beach nourishment projects will be examined.
Credit Hours: 3 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

EGN 410 - Field Methods in Coastal Engineering

Course Description:

Introduction to the concepts, instrumentation, and field methods used to observe physical processes specific to the highly-dynamic coastal environment, such as wind, waves, currents, tides, and sediment transport. Hands-on experience in operating, deploying, and analyzing data from sensors that measure waves and currents, as well as with advanced surveying techniques for monitoring beach morphology (e.g., LIDAR, RTK GPS, and SONAR).
Credit Hours: 3 Prerequisite Courses:

EGN 340 (C- or better) and EGN 330 (C- or better).
Course Repeatability: Course may not be repeated.

EGN 420 - Applied Coastal Modeling

Course Description:

Provides the knowledge and tools necessary to apply state of the art numerical models in coastal settings. Specific models vary depending on the instructor's expertise. Examples include ADCIRC, FUNWAVE, DELFT3D, or XBeach.
Credit Hours: 3 Prerequisite Courses:

EGN 340 (C- or better) and EGN 330 (C- or better).
Course Repeatability: Course may not be repeated.

EGN 430 - Coastal Structures

Course Description:

Examine the functional design of coastal structures distinguishing between groins, jetties, seawalls, breakwaters, revetments and bulkhealds. Hydraulic design and structural stability as a result of breaking and non-breaking wave loading are also covered. In addtion, students examine the materials used and cost implications of coastal structures.
Credit Hours: 3 Prerequisite Courses:

EGN 301 (C- or better) and EGN 330 (C- or better).
Course Repeatability: Course may not be repeated.

EGN 490 - Special Topics in Coastal Engineering

Course Description:

Selected topics in coastal engineering that are beyond the scope of regular course offerings. May be repeated under a separate course title.
Credit Hours: 1 To 3 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Repeat Limit: 1

EGN 491 - Directed Individual Study

Course Description:

Investigation under faculty supervision beyond what is offered in existing courses.
For further information, consult the
Depending on their interests and abilities, UNCW students may choose from several kinds of special courses and programs to individualize and otherwise enrich their studies.

- This course, designated as 491 in each department, involves investigation beyond what is offered in existing courses. To enroll in a Directed Individual Study, students must be a junior or senior. Additionally, students must have an overall grade point average of at least 2.00 and the approval of (1) the faculty member who will direct the study, (2) the departmental chairperson, and (3) the appropriate dean. Departmental criteria will include (1) the availability of the instructor (instructors may only supervise a limited number of independent studies each semester), (2) the appropriateness of and need for the proposed study in the student's program, (3) the availability of library and other research resources, and (4) the feasibility of completion of the proposed study in the allotted time. Students are limited to nine credit hours of Directed Individual Study toward graduation requirements.

- Several departments within the College of Humanities, Social Sciences, and the Arts and the professional schools offer field experience courses as part of their semester or summer programs. Participating students conduct individual or group research under faculty guidance at selected areas within and outside the continental United States. Apart from the greater Wilmington area, field experience courses have been conducted in such places as the Florida Keys, Barbados, the Bahamas, Portugal, and parts of Central and South America.

- Raymond L. Burt, *coordinator*
  The German Studies Consortium links participating UNC institutions to facilitate the sharing of teaching and learning resources to enhance German Studies across The University of North Carolina system. This consortium offers a broad array of German Studies courses in the language, literature, and culture of the German-speaking countries taught by specialists in the field. The primary focus is on the sharing of upper-level German classes offered each semester on the North Carolina Information Superhighway. Participant universities include Appalachian State University, East Carolina University, North Carolina State University, the University of North Carolina at Asheville, the University of North Carolina at Charlotte, the University of North Carolina at Greensboro, University of North Carolina Wilmington, and Western Carolina University. For course details, visit the UNC Online Exchange.

- Regina Felix, *coordinator*
  The Portuguese Exhange links participating UNC institutions to facilitate the sharing of teaching and learning resources to enhance Portuguese language and Portugurese and Brazilian Studies across the University of North Carolina system. This exchange offers courses in the language, literature, and culture of the Portuguese-speaking countries taught by specialists in the field. Participant universities include Appalachian State University, North Carolina State University, the University of North Carolina Asheville, the University of North Carolina at Chapel Hill, the Unversity of North Carolina at Charlotte, the University of North Carolina Wilmington, and Winston Salem State University. For course details, visit the UNC Online Exchange.

- Dave Graber, *coordinator*
  The Russian Studies Consortium links participating UNC institutions to facilitate the sharing of teaching and learning resources to enhance Russian Studies across The University of North Carolina system. This consortium offers a broad array of Russian Studies courses in the language, literature, history, film, society, and culture in the Russian-speaking countries, which can be taught in the target language and/or in translation by specialists with credentials in Russian Studies.

The primary goal focuses on the sharing of elementary, intermediate, and upper level Russian Studies classes offered each semester as well as summer session courses on the North Carolina Information Superhighway and/or fully online. Participant universities include Appalachian State University, East Carolina University, North Carolina State University, The University of North Carolina at Charlotte, The University of North Carolina at Greensboro, and The University of North Carolina Wilmington. Courses are offered through the UNC Online Exchange.

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Raymond L. Burt, UNCW *coordinator*
The UNC Language Assembly is a cooperative of the language departments of all 17 campuses of the UNC System, and serves the UNC System and the State of North Carolina by supporting the foreign language programs at the constituent institutions and by seeking to offer a wide diversity of foreign language choices to the students at all the UNC campuses. Students are not required to pay tuition at the other campus, since UNCW tuition applies to these courses as well. Courses are taught online or through videoconference technology. Students can directly enroll in language classes offered by campuses through the UNC Online Exchange.

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https://uncw.edu/myuncw/academics/graduate-school/forms

Graduate Courses Taken for Undergraduate Credit

Graduate courses at UNCW or other accredited institutions may be used to fulfill undergraduate requirements if approved by the course instructor, student's department chair, undergraduate dean, and the dean of the Graduate School. All other transfer credit policies apply. Permission forms may be obtained on the Graduate School forms page under the "Undergraduate Registration for Graduate Courses" section at https://uncw.edu/myuncw/academics/graduate-school/forms.

Graduate Course Taken as an Undergraduate to Later Apply to a Graduate Degree

Undergraduate students who wish to take graduate courses and later receive graduate credit for them must fill out a Docusign to obtain permission in advance from the course instructor, student's department chair and undergraduate dean, and the Graduate School for approval. Graduate courses taken under this provision may not be used to fulfill undergraduate degree requirements. Permission forms may be obtained on the Graduate School form page under the "Undergraduate Registration for Graduate Courses"
section https://uncw.edu/myuncw/academics/graduate-school/forms.

Credit for Approved Combined Degree Programs

Graduate courses used to fulfill an undergraduate degree requirement at UNCW may be applied to a graduate degree only when taken as part of an approved combined degree program. Courses applied toward an awarded degree may not be applied to a second degree except as described by specific degree programs.

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https://www.uncw.edu/global/
The Office of Global Partnerships and International Education is comprised of three units: Education Abroad, English Language Center, and the Office of International Students & Scholars.

Education Abroad

UNCW offers more than 800 education abroad opportunities in more than 50 countries. Options available include coursework taken abroad, international internships for academic credit, credit-bearing service-learning experiences, academic research, and virtual global learning opportunities. UNCW provides education abroad opportunities to suit nearly every major and credit earned through international programs may be applied towards a UNCW degree. Financial aid may be used in conjunction with education abroad programs and scholarships are available. Students may select from short-term and summer programs, as well as semester, year-long and two-year dual degree options.

All applications for any credit-bearing program abroad must be made through the Office of Global Partnerships and International Education.

UNCW students who study abroad retain their active UNCW student status and will not have to re-enroll upon return.

Eligibility requirements include:

- 18 years of age at the time of participation
- Good disciplinary standing
- 2.5+ cumulative grade point average
- Sophomore+ status (select programs are open to first-year students)
- Any program-specific requirements
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Several programs in the College of Humanities, Social Sciences, and the Arts, College of Science and Engineering, College of Education, College of Health and Human Services, and the Cameron School of Business offer students the opportunity to earn academic credit within a work environment external to the program. The purpose of the internship experience is to enhance, supplement, and integrate the learning that occurs in formal classroom settings. Permission of the dean and program offering the internship is required to enroll, and the program places limits on the number of credit hours earned applicable toward graduation. Internships designated by a 498 number will be graded on a Pass (P), Fail (F) basis. These credit hours earned will count towards the number of hours required to graduate, but the grade of Pass (P) will be excluded from the computation of the GPA. For further information on internships, refer to the courses numbered 498 in the course listings and then contact the departments offering them.

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The North Carolina Child Welfare Education Collaborative is a university-agency partnership that ensures a quality work force in child welfare settings. The educational goal of this program is to directly address the workforce need for social workers in child welfare settings. Administered by the Jordan Institute for Families, the collaborative includes North Carolina social work education programs, the NC Division of Social Services, the NC Association of County Directors of Social Services and the NC Chapter of the National Association of Social Workers. Educating, training, and supporting current and future social workers in child welfare meets the goal of strengthening families and protecting children. The collaborative offers focused educational courses, training and field experience in child welfare agencies. Participating universities include Appalachian State University, University of North Carolina at Chapel Hill, East Carolina University, North Carolina State University, Joint Masters of Social Work Program at University of North Carolina at Greensboro and North Carolina Agricultural and Technical State University, and University of North Carolina Wilmington.

- The Reverse Transfer Program is a collaborative effort between North Carolina's Community Colleges and the University of North Carolina's 16 constituent institutions. Students who transfer to UNC Wilmington from one of the 58 North Carolina community colleges are given the opportunity to combine the credits earned at UNCW with credit already earned at the community college to determine if the associate degree requirements have been met. Students have the opportunity to opt-in to this program at the time of admission as a transfer student. There is no cost to participate. For more information, contact the Office of the Registrar.
  Eligibility: Students must have earned at least 16 college-level credit hours at one community college applicable towards their degree, to be eligible to participate. After earning a total of 60 combined credits, the student's UNCW records will be sent back to their previous community college for evaluation. The community college will contact students via their UNCW email, with further details, if the Associate degree is awarded.

- Several UNCW courses employ service-learning opportunities. Service learning is an innovative method of teaching and learning that combines thoughtfully organized service to the community with other means of instruction. Community service-

projects are integrated into and enhance the academic curriculum of students, fitting naturally into the philosophy and pedagogy of a variety of disciplines and fostering civic responsibility. Both students and the community benefit from service learning. Service-learning courses have several strengths, not the least of which is that they are adaptable to the needs of the community while providing structured time for the students to reflect on the service experience.

section in the catalogue.
Credit Hours: 1 To 3 Additional Restrictions/Requirements:
Junior or senior standing, overall GPA of at least 2.00, and consent of instructor, department chair and dean.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Repeat Limit: 2

EGN 495 - Engineering Capstone I

Course Description:
A coastal engineering design-focused senior capstone experience with students working either individually or in small teams to research, evaluate alternatives, prepare design documents (plans and specifications) and present solutions to a design review board composed of faculty, local government agencies and/or consultants.
Credit Hours: 4 Additional Restrictions/Requirements:
Senior standing.
University Studies: ["Explorations Beyond the Classroom", "Building Competencies/Information Literacy", "Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

EGN 496 - Engineering Capstone II

Course Description:
A senior capstone course focusing on the business side of the coastal engineering profession. Mentors from local coastal engineering firms and government agencies work with students to understand marketing, business development, business management, project management, contracting and accounting in an engineering context.
Credit Hours: 3 Additional Restrictions/Requirements:
Senior standing.
Course Repeatability: Course may not be repeated.

EGN 498 - Internship in Engineering

Course Description:

Practical experience and academic training in the student's principal area of interest. Joint supervision and evaluation by a engineering faculty member and an on-site supervisor.

Additional Restrictions/Requirements:

Junior or senior standing, overall GPA of at least 2.50 and a GPA in EGN courses of at least 2.80. Students must be pre-approved by the faculty supervisor, department chair and dean.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Repeat Limit: 1

EGN 499 - Honors Work in Coastal Engineering

Course Description:

Independent work for honors students.

Credit Hours: 2 To 3 Additional Restrictions/Requirements:

Junior or senior standing.

University Studies: ["Building Competencies/Writing Intensive", "Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Repeat Limit: 2

ENG 101 - College Writing and Reading I

Course Description:

Introduction to the composing process through practice in analysis and rhetoric as well as narrative and expository forms appropriate to academic writing. Students conduct research using print and online sources, document sources, and write persuasively.

Credit Hours: 3 University Studies: ["Foundations/Composition"] Course Repeatability: Course may not be repeated.

ENG 103 - College Writing and Reading (Advanced)

Course Description:

College-level writing and reading for advanced students. Extensive practice in composing processes and in gathering, analyzing, synthesizing, and documenting information from sources.

Credit Hours: 3 Additional Restrictions/Requirements:

Special competence demonstrated in an English placement test, Advanced Placement test, or CLEP test.

University Studies: ["Foundations/Composition", "Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

ENG 104 - Introduction to Digital Humanities

Course Description:

Introduction to the application of digital tools for humanities research. Students explore interdisciplinary definitions of Digital Humanities (DH) and DH research methods; investigate and critique DH projects; and plan and execute their own collaborative DH projects.
Course Repeatability: Course may not be repeated.

ENG 110 - Introduction to Literature

Course Description:
Introduction to reading and responding to literature in a variety of genres, such as poetry, fiction, drama, and literary non-fiction.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives", "Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

ENG 111 - Introduction to Literature Global Emphasis

Course Description:
Introduction to reading and responding to literature in a variety of genres, such as poetry, fiction, drama, and literary non-fiction from literary cultures other than the US or UK.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives", "Approaches and Perspectives/Living in a Global Society", "Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

ENG 190 - Adventures in Literature

Course Description:
An interdisciplinary study of a significant theme, genre, or author, focusing primarily on literary works but also drawing on sources from other fields, including art, music, and history.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

ENG 201 - College Writing and Reading II

Course Description:
College-level writing and reading, including continued practice in the composing process, with emphasis on argumentation and research. Projects will employ a rhetorical approach to identifying, evaluating, analyzing, synthesizing, and documenting information from print or online sources.
Credit Hours: 3 Prerequisite Courses:
ENG 101

University Studies: ["Foundations/Composition", "Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

ENG 202 - Introduction to Journalism

Course Description:

Introduction to news values, style, and writing. Focus is on writing news leads and news stories under deadline pressure. Also included: note taking, interviewing, and an introduction to feature writing.

Credit Hours: 3 Prerequisite Courses:

ENG 103 or ENG 200 [Inactive] or ENG 201

Additional Restrictions/Requirements:

Prerequisite courses or consent of instructor.

University Studies: ["Building Competencies/Writing Intensive", "Building Competencies/Information Literacy", "Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated.

ENG 204 - Introduction to Technical Writing and Design

Course Description:

Introductory survey of concepts in technical writing and design, including audience analysis, research methods, visual thinking, and composing processes. Includes a service-learning component.

Credit Hours: 3 Additional Restrictions/Requirements:

This class is not for students in Online Accelerated Programs.

University Studies: ["Building Competencies/Writing Intensive","Building Competencies/Information Literacy","Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated.

ENG 205 - Introduction to Literary and Cultural Studies

Course Description:

An immersive introduction to literary and cultural studies, focusing on a single text. Students will learn how to write literary and cultural criticism, with an emphasis on interpretative methods, practical research skills, and discipline-specific conventions of citation.

Credit Hours: 3 Prerequisite Courses:

Prerequisite or corequisite: ENG 103 or ENG 201 , or consent of instructor.

University Studies: ["Building Competencies/Writing Intensive", "Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

ENG 206 - Writing for Career Essentials

Course Description:

In this online course, students will develop the writing skills needed to advance in

their chosen professions. Writing projects build from the content covered in the corequisite business course and involve students in an iterative process of information gathering, analysis, drafting and revision.
Credit Hours: 1 Corequisite Courses:

BUS 206

University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

ENG 209 - Classical Literature in Translation: Topics

Course Description:

Major authors of ancient Greece and Rome. Emphasis on ancient literature in its social context and on classical themes in later literatures. May be repeated under a different subtitle.
Credit Hours: 3 Prerequisite Courses:

Prerequisite or corequisite: ENG 103 or ENG 201 , or consent of instructor.
University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives", "Building Competencies/Writing Intensive"] Crosslisting:

CLA 209

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

ENG 210 - Mythology

Course Description:

The major mythological systems of Western society - Greek, Roman, and Norse. Mythology of other parts of the world, especially the Ancient Middle East, and related material are also considered.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives", "Approaches and Perspectives/Historical and Philosophical Approaches"] Crosslisting:

CLA 210

Course Repeatability: Course may not be repeated.

ENG 211 - British Literature to 1800

Course Description:

A survey of representative British text from the Anglo-Saxon period through the eighteenth century. This course examines selections from an analytical and historical perspective.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives", "Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

ENG 212 - British Literature Since 1800

Course Description:

A survey of representative British texts of the nineteenth and twentieth centuries. This course examines selections from an analytical and historical perspective.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives"] Course Repeatability: Course may not be repeated.

ENG 223 - American Literature to 1870

Course Description:

A survey of representative texts from colonial and early America and of the Romantic era.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives", "Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

ENG 224 - American Literature Since 1870

Course Description:

A survey of representative texts from the eras of American Realism and the twentieth century.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives", "Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

ENG 225 - World Literature to 1600

Course Description:

A survey of representative works of world literature (excluding British and American writers), including both Western and non-Western works. Work from ancient times to approximately 1600.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives", "Approaches and Perspectives/Living in a Global Society", "Building Competencies/Writing Intensive", "Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated.

ENG 226 - World Literature Since 1600

Course Description:

A survey of representative works of world literature (excluding British and American writers), including both Western and non-Western works. 1600 to the present.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives", "Approaches and Perspectives/Living in a Global Society", "Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

ENG 227 - World Anglophone Literatures

Course Description:

A theme-based literature course featuring literatures written in English from locations other than US and UK. May be repeated under a different subtitle.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives", "Approaches and Perspectives/Living in a Global Society", "Building Competencies/Writing Intensive"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

ENG 230 - Women In Literature

Course Description:

Modern literature by and about women. Focuses on changes in images and roles of women. May include fiction, poetry, drama, and nonfiction.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives", "Approaches and Perspectives/Living in Our Diverse Nation"] Course Repeatability: Course may not be repeated.

ENG 231 - Theory and Practice of Hip-Hop

Course Description:

A study of the theory and practice of hip-hop culture, with an emphasis on the four elements: turntablism, rap, graffiti, and dance. Students will be introduced to representative figures, periods, themes, and texts.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in a Diverse Nation"] Course Repeatability: Course may not be repeated.

ENG 232 - African American Literature

Course Description:

Introduction to the African American literary tradition through a focus on genre, historical era, or major themes, such as nationalism, religion, or urban culture. Topics/historical periods may vary according to instructor.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives", "Approaches and Perspectives/Living in Our Diverse Nation", "Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

ENG 233 - The Bible as Literature

Course Description:

Study of types of Biblical literature, including narratives from the Old and New Testaments, sermons, parables, and poetry. Attention to the Bible as literature in itself and as a source of symbols and allusions in Western culture.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives"] Course Repeatability: Course may not be repeated.

ENG 234 - Literature and Medicine

Course Description:

Study of a broad range of literature from multiple periods, genres, and traditions, examining the representation of illness, health, disability, patients, trauma, and healing, among other topics related to the medical humanities.
Credit Hours: 3 Prerequisite Courses:
Prerequisite or corequisite: ENG 103 or ENG 201 , or consent of instructor.
University Studies: ["Approaches and Perspectives: Aesthetic, Interpretive, and Literacy Perspectives", "Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated. Additional Course Fees: ["None"]

ENG 286 - Critical Theory and Practice

Course Description:
An introduction to representative twentieth- and twentieth-first-century literary theories and practice in applying them to various texts.
Credit Hours: 3 Prerequisite Courses:
Prerequisite or corequisite: ENG 103 or ENG 201 , or consent of instructor. ENG 205 is strongly recommended.
Additional Restrictions/Requirements:
It is strongly recommended that students complete ENG 286 within the first 18 credits of the major.
Course Repeatability: Course may not be repeated

ENG 290 - Themes in Literature

Course Description:
An interdisciplinary study of a significant theme, such as war and peace, justice, love, youth and age, focusing primarily on literary works but also drawing on sources from other fields, including art, music, and history. May be repeated under a different subtitle.
Credit Hours: 3 Prerequisite Courses:
Prerequisite or corequisite:ENG 103 or ENG 201 , or consent of instructor.
University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives", "Building Competencies/Writing Intensive"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

ENG 301 - International Journalism

Course Description:
Study of news practices across borders and within different regional contexts. Themes include foreign correspondence, news flows, and media's relationship to globalization and development.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

ENG 302 - Journalism Workshop

Course Description:

Continuation of ENG 202 . Focus is on gathering news from various community and campus sources and writing in news style under deadline pressure. Also included: some attention to feature and editorial writing.

Credit Hours: 3 Prerequisite Courses:

ENG 202

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated.

ENG 303 - Reading and Writing Arguments

Course Description:

Instruction in rhetorical principles and their use in both analyzing and constructing persuasive texts.

Credit Hours: 3 University Studies: ["Building Competencies/Writing Intensive", "Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated.

ENG 304 - Writing for Teachers

Course Description:

Introduction to theories of composing, rhetoric, assessment, and literacy pedagogy for prospective teachers. Emphasis on analyzing student texts and engaging in various writing projects appropriate for professional development.

Credit Hours: 3 Prerequisite Courses:

ENG 103 or ENG 200 [Inactive] or ENG 201

Course Repeatability: Course may not be repeated.

ENG 305 - Professional Review Writing

Course Description:

Critical and analytical writing intended for publication in newspapers, magazines, and journals.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives", "Building Competencies/Writing Intensive", "Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated.

ENG 306 - Essay Writing

Course Description:

Instruction in the genre and craft of the essay, with emphasis on the use of close observation, research, and reflection.

Credit Hours: 3 University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

ENG 307 - Composition Theory

Course Description:

Explores the most current ideas about writers and writing by considering various theoretical lenses in the field. Examines topics such as the multiple stages of compositing, genre conventions, and the role of revision.

Credit Hours: 3 Prerequisite Courses:

ENG 103 or ENG 200 [Inactive] or ENG 201

Course Repeatability: Course may not be repeated.

ENG 308 - Grant and Proposal Writing

Course Description:

Study of grant and proposal writing for use in non-profit organizations, educational settings, and businesses. Emphasis on research methods, planning, developing funding relationships, and writing collaboratively. Includes a service-learning component.

Credit Hours: 3 University Studies: ["Building Competencies/Writing Intensive", "Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated.

ENG 309 - Technical Editing

Course Description:

Focus on the fundamentals of effective writing, organization, and design in order to develop the language and proficiencies necessary to edit print and digital texts used in a range of organizations.

Credit Hours: 3 Prerequisite Courses:

Prerequisite or corequisite: ENG 204 , or consent of instructor.

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

University Studies: ["Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated.

ENG 310 - Editing for Journalism and Mass Media

Course Description:

Instruction in revising, editing and copy editing. Techniques and strategies for getting prose ready for publication. Extensive practice in editing.

Credit Hours: 3 Prerequisite Courses:

Prerequisite or corequisite: ENG 204 , or consent of instructor.

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.
University Studies: ["Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

ENG 311 - Professional Magazine Writing

Course Description:
Writing of nonfiction prose intended for publication in newspapers, magazines, and journals.
Credit Hours: 3 Prerequisite Courses:
Prerequisite or corequisite: ENG 202 , or consent of instructor.
Course Repeatability: Course may not be repeated.

ENG 312 - Writing Strategies for Business and Innovation

Course Description:
Advanced exploration of research and writing skills needed to plan and design texts for diverse audiences within organizational contexts. Projects include business plans, proposals, reports, and other genres developed using a variety of media. Includes instruction in graphically representing data and using social media for research and/or outreach.
Credit Hours: 3 University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

ENG 313 - Writing About Science, Medicine, and the Environment

Course Description:
Exploration of scientific discourse focusing on analyzing scientific texts and rewriting scientific and technical information for a variety of audiences. Includes the development of relevant research skills.
Credit Hours: 3 University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

ENG 314 - Digital Composing

Course Description:
Study of the intersection between writing and technology, including Web page creation, documentation, usability, desktop publishing, and the use of graphics with text.
Credit Hours: 3 Prerequisite Courses:
ENG 204 or ENG 205 or permission of instructor.
University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

ENG 315 - Topics in Writing and Rhetoric

Course Description:

A focused study of a theme, issue, or genre in writing or rhetoric.

Credit Hours: 3 University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Repeat Limit: 1

ENG 316 - Analyzing Style

Course Description:

Analysis of written style, emphasizing rhetorical principles and textual features. Application of stylistic principles in the creation of written texts.

Credit Hours: 3 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

ENG 317 - Writing about Film

Course Description:

Instruction and practice in the techniques of writing essays about film. Writing assignments might include reviews, features, scholarly articles or theoretical essays.

Credit Hours: 3 Prerequisite Courses:

Prerequisite or corequisite FST 205 ; or prerequisite: ENG 204 , or consent of instructor.

University Studies: ["Building Competencies/Writing Intensive"] Crosslisting:

FST 317

Course Repeatability: Course may not be repeated.

ENG 318 - Writing and Activism

Course Description:

Study of visual and textual elements of documents generated in the service of activist causes. Themes may include propaganda, grassroots and electronic activism, and the negotiation of power.

Credit Hours: 3 University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

ENG 319 - Document Design

Course Description:

Study of effective design of print and electronic documents. Emphasis on browsing patterns, usability, the interaction of text and graphics, and visual rhetoric. Includes a service-learning component.

Credit Hours: 3 Prerequisite Courses:

Prerequisite or corequisite: ENG 204 , or consent of instructor.

University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may

not be repeated.

ENG 320 - Introduction to Linguistics

Course Description:

An introduction to the study of human language, including such topics as the sounds, structure, and meaning of language; language and social interaction; the ways languages change; and the ways children learn language.

Credit Hours: 3 University Studies: ["Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated.

ENG 321 - Structure of the English Language

Course Description:

Study of the grammatical structure of the English language and the process by which we create and comprehend English sentences. Emphasis on recent syntactic models.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

ENG 322 - Language and Meaning

Course Description:

Study of factors that shape meaning in verbal and nonverbal communication. Topics may include the language of persuasion, propaganda, and prejudice; language and culture; conversation and logic; and vernacular languages.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

ENG 323 - History of the English Language

Course Description:

The development of the English language from Old English to the present; changes in sounds, vocabulary, syntax, meaning, and spelling; formation of American dialects.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

ENG 324 - Topics in Linguistics

Course Description:

The study of a selected topic in human language. Content varies from semester to semester. May be repeated under a different subtitle.

Credit Hours: 3 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

ENG 325 - Studies in Sociolinguistics

Course Description:

ENG 204 or ENG 205 recommended but not required. An examination of the way language varies according to social characteristics such as age, gender, ethnicity,

class, individual style, social networks, and language attitudes.
Credit Hours: 3 Prerequisite Courses:
ENG 103 or ENG 200 [Inactive] or ENG 201
Course Repeatability: Course may not be repeated.

ENG 326 - Writing with Artificial Intelligence

Course Description:
Introduction to the intersection of Artificial Intelligence (AI), writing, and content operations within the field of professional writing. Explores the fundamentals of AI and its application in automating and optimizing the content creation and distribution process.
University Studies: ["Building Competencies/Writing Intensive", "Critical Reasoning"] Course Repeatability: Course may not be repeated.

ENG 330 - The Age of Chaucer

Course Description:
A survey of works written in medieval England. Includes selections from The Canterbury Tales and Chaucer's other works, and representative works in such genres as chronicle, biography, epic, romance, dream vision, and drama.
Credit Hours: 3 Prerequisite Courses:
Prerequisite or corequisite: ENG 103 or ENG 201 , or consent of instructor. ENG 205 is strongly recommended.
Course Repeatability: Course may not be repeated.

ENG 331 - The Age of Elizabeth

Course Description:
English literature of the sixteenth and early seventeenth centuries. Includes poetry by Spenser and Shakespeare, plays by Marlowe and Jonson, and prose by More and Sidney.
Credit Hours: 3 Prerequisite Courses:
Prerequisite or corequisite: ENG 103 or ENG 201 , or consent of instructor. ENG 205 is strongly recommended.
Course Repeatability: Course may not be repeated

ENG 332 - Shakespeare's Early Plays and Poems

Course Description:
Study of selected plays written before 1600 and selected poems. Includes tragedies, comedies, and histories.
Credit Hours: 3 Prerequisite Courses:
Prerequisite or corequisite: ENG 103 or ENG 201 , or consent of instructor. ENG

205 is strongly recommended.
Course Repeatability: Course may not be repeated.

ENG 333 - Shakespeare's Later Plays

Course Description:
A study of selected plays written after 1600. Includes tragedies, comedies, and histories.
Credit Hours: 3 Prerequisite Courses:
Prerequisite or corequisite: ENG 103 or ENG 201 , or consent of instructor. ENG 205 is strongly recommended.
Course Repeatability: Course may not be repeated.

ENG 334 - The Age of Milton

Course Description:
Emphasis on the works of Milton. May include works by such writers as Donne, Herbert, and Bacon.
Credit Hours: 3 Prerequisite Courses:
Prerequisite or corequisite: ENG 103 or ENG 201 , or consent of instructor. ENG 205 is strongly recommended.
Course Repeatability: Course may not be repeated.

ENG 335 - Restoration and Eighteenth Century Literature

Course Description:
Study of representative texts written between 1660 and 1800, which may include such genres as the early novel, the comedy of manners, and the political satire.
Credit Hours: 3 Prerequisite Courses:
Prerequisite or corequisite: ENG 103 or ENG 201 , or consent of instructor. ENG 205 is strongly recommended.
Course Repeatability: Course may not be repeated.

ENG 336 - British Romanticism

Course Description:
Study of representative texts from the Romantic period, 1780-1830. Emphasis may focus on historical and political contexts and/or development of aesthetic tradition. May include such writers as Wollstonecraft, Blake, Wordsworth, Coleridge, the Shelleys, Austen, and Keats.
Credit Hours: 3 Prerequisite Courses:
Prerequisite or corequisite: ENG 103 or ENG 201 , or consent of instructor. ENG 205 is strongly recommended.
Course Repeatability: Course may not be repeated.

ENG 337 - Victorian Literature

Course Description:

Study of representative texts from the Victorian era, 1830-1900, against the historical and cultural backdrop of urbanization, industrialism, and the rise of the British Empire. May include writers such as Tennyson, the Brownings, Arnold, the pre-Raphaelites, Dickens, Eliot, and Gaskell.

Credit Hours: 3 Prerequisite Courses:

Prerequisite or corequisite: ENG 103 or ENG 201 , or consent of instructor. ENG 205 is strongly recommended.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

ENG 338 - British Modernism

Course Description:

Study of a broad range of writings from the first half of the twentieth century. May include writers such as Conrad, Lawrence, Joyce, Woolf, Yeats, Shaw, and Auden.

Credit Hours: 3 Prerequisite Courses:

Prerequisite or corequisite: ENG 103 or ENG 201 , or consent of instructor. ENG 205 is strongly recommended.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

ENG 340 - Multiculturalism and Literature

Course Description:

Multicultural literatures within and outside of the United States, such as African and African American, Asian and Asian American, and Latin American and Latino literature; introduction to contemporary perspectives on multiculturalism.

Credit Hours: 3 Prerequisite Courses:

Prerequisite or corequisite: ENG 103 or ENG 201 , or consent of instructor. ENG 205 is strongly recommended.

Course Repeatability: Course may not be repeated.

ENG 341 - Studies in the Global South

Course Description:

Study of literature, cultural practices, politics, and concepts related to the Global South, with an emphasis on Latin America, South Asia, Africa, the Caribbean, and possible reverberations/intersections in the US South.

Credit Hours: 3 Prerequisite Courses:

Prerequisite or corequisite: ENG 103 or ENG 201 , or consent of instructor. ENG 205 is strongly recommended.

University Studies: ["Approaches and Perspectives/Living in a Global Society"] Course

Repeatability: Course may not be repeated.

ENG 342 - Transnational Literatures

Course Description:

Study of a topic in transnational literatures. Courses focus literary and cultural production across multiple geographical locations and historical periods. Courses place a particular emphasis on the circumstances that shape the interrelations between diverse cultural practices.

Credit Hours: 3 Prerequisite Courses:

Prerequisite or corequisite: ENG 103 or ENG 201 , or consent of instructor. ENG 205 is strongly recommended.

University Studies: ["Approaches and Perspectives/Living in a Global Society"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

ENG 344 - Latino Voices in American Literature

Course Description:

ENG 204 or ENG 205 recommended but not required. Study of literature that reflects the Latino heritage of American-born writers or immigrants to the U.S. who write in English. May include such authors as Sandra Cisneros, Richard Rodriguez, Cristina Garcia, Ilan Stevens, Julia Alvarez, and Oscar Hijnelos.

Credit Hours: 3 Prerequisite Courses:

Prerequisite or corequisite: ENG 103 or ENG 201 , or consent of instructor. ENG 205 is strongly recommended.

University Studies: ["Approaches and Perspectives/Living in Our Diverse Nation"] Course Repeatability: Course may not be repeated.

ENG 349 - Early American Literature

Course Description:

Study of major authors and texts in American literature before 1830, focusing on the colonial and early national periods.

Credit Hours: 3 Prerequisite Courses:

Prerequisite or corequisite: ENG 103 or ENG 201 , or consent of instructor. ENG 205 is strongly recommended.

Course Repeatability: Course may not be repeated.

ENG 350 - American Romanticism

Course Description:

Study of the major writers, 1820-1865, whose works fashioned a national literary identity known as the American Renaissance. May include such writers as Emerson, Thoreau, Hawthorne, Poe, Whitman, and Melville.

Credit Hours: 3 Prerequisite Courses:

Prerequisite or corequisite: ENG 103 or ENG 201 , or consent of instructor. ENG 205 is strongly recommended.

Course Repeatability: Course may not be repeated.

ENG 351 - American Realism

Course Description:

Studies of major writers in the period of emerging industrialism and urbanization after the Civil War. May include such writers as Howells, Twain, James, Wharton, Crane, Cather, and Dreiser.

Credit Hours: 3 Prerequisite Courses:

Prerequisite or corequisite: ENG 103 or ENG 201 , or consent of instructor. ENG 205 is strongly recommended.

Course Repeatability: Course may not be repeated.

ENG 352 - American Modernism

Course Description:

Study of a broad range of writings from the first half of the twentieth century. May Include such writers as Eliot, Pound, Stevens, O'Neill, Hemingway, Fitzgerald, Porter, Faulkner, and Hurston.

Credit Hours: 3 Prerequisite Courses:

Prerequisite or corequisite: ENG 103 or ENG 201 , or consent of instructor. ENG 205 is strongly recommended.

Course Repeatability: Course may not be repeated.

ENG 353 - Southern American Literature

Course Description:

Study of representative Southern writers from the nineteenth and/or twenty-first centuries. May include such writers as Welty, O'Connor, Faulkner, Ellison, Percy, and Williams.

Credit Hours: 3 Prerequisite Courses:

Prerequisite or corequisite: ENG 103 or ENG 201 , or consent of instructor. ENG 205 is strongly recommended.

Course Repeatability: Course may not be repeated.

ENG 354 - North Carolina Writers

Credit Hours: 3 Prerequisite Courses:

Prerequisite Courses: ENG 103 or ENG 200 or ENG 201

Additional Restrictions/Requirements:

ENG 204 or ENG 205 recommended but not required.

Course Repeatability: Course may not be repeated

ENG 355 - American Multicultural Literature

Credit Hours: 3 Prerequisite Courses:

ENG 103 or ENG 201

Additional Restrictions/Requirements:

ENG 204 or ENG 205 recommended but not required.

University Studies: ["Approaches and Perspectives/Living in Our Diverse Nation"] Course Repeatability: Course may not be repeated

ENG 356 - Indigenous American Literature

Course Description:

Study of past and present literatures of various Indigenous peoples of the Americas. May include oral traditions, tales, poetry, fiction, drama, and song, as well as more recent engagements with digital and electronic media.

Credit Hours: 3 Prerequisite Courses:

Prerequisite or corequisite: ENG 103 or ENG 201 , or consent of instructor. ENG 205 is strongly recommended.

University Studies: ["Approaches and Perspectives/Living in Our Diverse Nation"] Course Repeatability: Course may not be repeated.

ENG 357 - African American Literary Tradition to 1945

Course Description:

In-depth exploration of the African American literary tradition from its beginning to 1945.

Credit Hours: 3 Prerequisite Courses:

Prerequisite or corequisite: ENG 103 or ENG 201 , or consent of instructor. ENG 205 is strongly recommended.

University Studies: ["Approaches and Perspectives/Living in Our Diverse Nation"] Course Repeatability: Course may not be repeated.

ENG 358 - African American Literary Tradition Since 1945

Course Description:

In-depth exploration of the African American literary tradition since 1945.

Credit Hours: 3 Prerequisite Courses:

Prerequisite or corequisite: ENG 103 or ENG 201 , or consent of instructor. ENG 205 is strongly recommended.

University Studies: ["Approaches and Perspectives/Living in Our Diverse Nation"] Course Repeatability: Course may not be repeated.

ENG 359 - World Indigenous Literature and Film

Course Description:

Study of past and present literatures and film produced by various indigneous peoples from outside the United States.
Credit Hours: 3 Prerequisite Courses:
Prerequisite or corequisite: ENG 103 or ENG 201 , or consent of instructor. ENG 205 is strongly recommended.
University Studies: ["Approaches and Perspectives/Living in a Global Society"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

ENG 361 - Studies in Short Fiction

Course Description:
A study of the short story and novella, with emphasis on the structural features and historical development of these genres. Works from one or more periods, writers, and traditions. May be repeated under a different subtitle.
Credit Hours: 3 Prerequisite Courses:
Prerequisite or corequisite: ENG 103 or ENG 201 , or consent of instructor. ENG 205 is strongly recommended.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

ENG 362 - Studies in the Novel

Course Description:
An in-depth exploration of the novel as a genre. Works may be from a variety of periods, writers, and traditions. May be repeated under a different subtitle.
Credit Hours: 3 Prerequisite Courses:
Prerequisite or corequisite:ENG 103 or ENG 201 , or consent of instructor. ENG 205 is strongly recommended.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

ENG 363 - Studies in Nonfiction

Course Description:
Types of nonfiction prose, including biography, autobiography, memoirs, journals, and various essay forms. Works from a variety of periods, writers, and traditions. May be repeated under a different subtitle.
Credit Hours: 3 Prerequisite Courses:
Prerequisite or corequisite: ENG 103 or ENG 201 , or consent of instructor. ENG 205 is strongly recommended.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

ENG 364 - Studies in Poetry

Course Description:
An in-depth study of poetry with emphasis on form, style, and interpretation. Poems

from a variety of periods, writers, and traditions. May be repeated under a different subtitle.

Credit Hours: 3 Prerequisite Courses:

Prerequisite or corequisite: ENG 103 or ENG 201 , or consent of instructor. ENG 205 is strongly recommended.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

ENG 365 - Studies in Drama

Course Description:

A variety of plays representing tragedy, comedy, and modern forms. Works from a variety of periods, authors, and traditions with some attention to dramatic criticism. May be repeated under a different subtitle.

Credit Hours: 3 Prerequisite Courses:

Prerequisite or corequisite: ENG 103 or ENG 201 , or consent of instructor. ENG 205 is strongly recommended.

Crosslisting:

THR 365

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

ENG 367 - Digital Humanities Applications

Course Description:

Project-based exploration of a real world problem (social, cultural, interpretive/aesthetic). Students conduct primary and/or secondary research using digital and non-digital methods and present findings using a relevant digital medium that aligns with the project's values, goals, and audience.

Prerequisite Courses:

ENG 104

Course Repeatability: Course may not be repeated.

ENG 369 - Twenty-First Century Literature

Course Description:

In-depth exploration of literature in a variety of genres (fiction, poetry, drama, and non-fiction) produced in the twenty-first century. Works may be selected from multiple writers, nations, and traditions.

Credit Hours: 3 Prerequisite Courses:

Prerequisite or corequisite: ENG 103 or ENG 201 , or consent of instructor. ENG 205 is strongly recommended.

Course Repeatability: Course may not be repeated.

ENG 370 - European Literature to 1900

Course Description:

A study of representative writers of Europe prior to 1900, such as Boccaccio, Cervantes, LaFayette, Goethe, and Flaubert.

Credit Hours: 3 Prerequisite Courses:

Prerequisite or corequisite: ENG 103 or ENG 201 , or consent of instructor. ENG 205 is strongly recommended.

University Studies: ["Approaches and Perspectives/Living in a Global Society"] Course Repeatability: Course may not be repeated.

ENG 371 - European Literature Since 1900

Course Description:

A study of representative writers of Europe after 1900. May include such writers as Hesse, Brecht, Camus, Sartre, and Lorca.

Credit Hours: 3 Prerequisite Courses:

Prerequisite or corequisite: ENG 103 or ENG 201 , or consent of instructor. ENG 205 is strongly recommended.

University Studies: ["Approaches and Perspectives/Living in a Global Society"] Course Repeatability: Course may not be repeated.

ENG 372 - Postmodern Literature

Course Description:

Study of a broad range of literature in a variety of genres from the postmodern period (1945 to 2001). Possible authors may include John Ashbery, Margaret Atwood, Toni Morrison, Alice Notley, Thomas Pynchon, Vladimir Nabokov, and Salmon Rushdie.

Credit Hours: 3 Prerequisite Courses:

Prerequisite or corequisite: ENG 103 or ENG 201 , or consent of instructor. ENG 205 is strongly recommended.

Course Repeatability: Course may not be repeated.

ENG 373 - Women's Literary Traditions

Course Description:

Study of gender issues, themes, and character portrayal in literature by women, as well as consideration of the ways in which women writers both follow and challenge literary conventions. May be repeated under a different subtitle.

Credit Hours: 3 Prerequisite Courses:

Prerequisite or corequisite: ENG 103 or ENG 201 , or consent of instructor. ENG 205 is strongly recommended.

University Studies: ["Approaches and Perspectives/Living in Our Diverse Nation"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

ENG 374 - Twentieth-Century American and British Poetry

Course Description:

Study of major authors, texts, forms, styles, and movements in twentieth-century American and British poetry.

Credit Hours: 3 Prerequisite Courses:

Prerequisite or corequisite: ENG 103 or ENG 201 , or consent of instructor. ENG 205 is strongly recommended.

Course Repeatability: Course may not be repeated.

ENG 375 - American and British Poetry Since 1945

Credit Hours: 3 Prerequisite Courses:

ENG 103 or ENG 200 or ENG 201

Additional Restrictions/Requirements:

ENG 204 or ENG 205 recommended but not required.

Course Repeatability: Course may not be repeated

ENG 376 - Environmental Literature

Course Description:

Study of a broad range of literature from multiple periods and genres, examining how humans define and engage the environment in terms of aesthetics and imagination, politics and policy, culture and identity, religion and science, and conservation and sustainability.

Credit Hours: 3 Prerequisite Courses:

Prerequisite or corequisite: ENG 103 or ENG 201 , or consent of instructor. ENG 205 is strongly recommended.

University Studies: ["Building Competencies: Writing Intensive"] Course Repeatability: Course may not be repeated.

ENG 377 - Queer Literature

Course Description:

In-depth exploration of queer identities, experiences, and narrative forms. Will include historical as well as contemporary narratives, queer history and culture, queer and trans theory, and a variety of genres.

Credit Hours: 3 Prerequisite Courses:

Prerequisite or corequisite: ENG 103 or ENG 201 , or consent of instructor. ENG 205 is strongly recommended.

University Studies: ["Building Competencies: Writing Intensive"] Course Repeatability: Course may not be repeated.

ENG 378 - Film and Literature

Course Description:

Study of the theory and practice of adapting literature into film as well as the formal, historical, social, and technological relationships between writing and filmmaking.

Credit Hours: 3 Prerequisite Courses:

Prerequisite or corequisite: ENG 103 or ENG 201 , or consent of instructor. ENG 205 is strongly recommended.

University Studies: ["Building Competencies: Writing Intensive"] Course Repeatability: Course may not be repeated.

ENG 379 - Comics and Graphic Narratives

Course Description:

Study of the medium of comics, with emphasis on formal, historical, and theoretical approaches to understanding and interpreting comic books, cartoons, and other types of graphic narrative.

Credit Hours: 3 Prerequisite Courses:

Prerequisite or corequisite: ENG 103 or ENG 201 , or consent of instructor. ENG 205 is strongly recommended.

University Studies: ["Building Competencies: Writing Intensive"] Course Repeatability: Course may not be repeated.

ENG 380 - Literature for Children

Course Description:

An advanced study of critical approaches to children's literature of various genres. Intended for anyone interested in children's literature and children's culture(s) as well as for future teachers.

Credit Hours: 3 Prerequisite Courses:

Prerequisite or corequisite: ENG 103 or ENG 201 , or consent of instructor. ENG 205 is strongly recommended.

Course Repeatability: Course may not be repeated.

ENG 381 - Literature for Young Adults

Course Description:

Advanced examination of literature for adolescents. Intended for anyone interested in adolescent literature and adolescent culture as well as for future teachers.

Credit Hours: 3 Prerequisite Courses:

Prerequisite or corequisite: ENG 103 or ENG 201 , or consent of instructor. ENG 205 is strongly recommended.

Course Repeatability: Course may not be repeated.

ENG 382 - Ways of Teaching Literature

Course Description:

A survey of written, oral, visual, and dramatic responses to literary texts. Response-based approaches to the study of literature appropriate for middle and secondary teaching.

Credit Hours: 3 Prerequisite Courses:

Prerequisite or corequisite: ENG 103 or ENG 201 , or consent of instructor. ENG 205 is strongly recommended.

Course Repeatability: Course may not be repeated.

ENG 383 - Classics Reconsidered

Course Description:

Study of classic works of poetry, fiction, and drama commonly taught in high school English classes. Includes an examination of what constitutes a literary 'classic,' who labels classics, and how the social status of certain literary works influences what is commonly taught in high school English classes. Especially recommended for prospective teachers.

Credit Hours: 3 Prerequisite Courses:

Prerequisite or corequisite ENG 103 or ENG 201 , or consent of instructor. ENG 205 is strongly recommended.

Course Repeatability: Course may not be repeated.

ENG 384 - Studies in Popular Culture

Course Description:

Critical study of popular culture as an aesthetic and economic phenomenon that plays an integral role in everyday life. Includes a variety of primary texts in multiple media forms (which may include fiction, film, music, and television) as well as readings in cultural and critical theory.

Credit Hours: 3 Prerequisite Courses:

Prerequisite or corequisite: ENG 103 or ENG 201 , or consent of instructor. ENG 205 is strongly recommended.

Course Repeatability: Course may not be repeated

ENG 385 - Multicultural Young Adult Literature

Course Description:

Advanced examination of multicultural literature for adolescents.

Credit Hours: 3 Prerequisite Courses:

Prerequisite or corequisite: ENG 103 or ENG 201 , or consent of instructor. ENG 205 is strongly recommended.

University Studies: ["Approaches and Perspectives/Living in Our Diverse Nation"] Course

Repeatability: Course may not be repeated.

ENG 388 - Rhetorical Theory to 1900

Course Description:

Survey of major theories in rhetoric as they apply to written discourse from classical era to the end of the nineteenth century.

Credit Hours: 3 Prerequisite Courses:

Prerequisite or corequisite: ENG 204 or ENG 205 , or consent of instructor.

University Studies: ["Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated.

ENG 389 - Rhetorical Theory since 1900

Course Description:

Survey of major theories in rhetoric as they apply to written discourse from the start of the twentieth century to the present.

Credit Hours: 3 Prerequisite Courses:

Prerequisite or corequisite: ENG 204 or ENG 205 , or consent of instructor.

University Studies: ["Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated.

ENG 390 - Studies in Literature

Course Description:

A selected literary theme, movement, period, influence, or genre. May be repeated under a different subtitle.

Credit Hours: 3 Prerequisite Courses:

Prerequisite or corequisite: ENG 103 or ENG 201 , or consent of instructor. ENG 205 is strongly recommended.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

ENG 391 - Science Fiction and Fantasy

Course Description:

An in-depth exploration of the science fiction and fantasy genres. Works may be selected from a variety of writers, periods, nations, and traditions.

Credit Hours: 3 Prerequisite Courses:

Prerequisite or corequisite: ENG 103 or ENG 201 , or consent of instructor. ENG 205 is strongly recommended.

University Studies: ["Building Competencies: Writing Intensive"] Course Repeatability: Course may not be repeated.

ENG 392 - Protest Literature

Course Description:

An in-depth exploration of protest literature as a form of cultural resistance and agent of sociopolitical change. Works may be selected from a variety of writers, periods, nations, and traditions.
Credit Hours: 3 Prerequisite Courses:
Prerequisite or corequisite: ENG 103 or ENG 201 , or consent of instructor. ENG 205 is strongly recommended.
University Studies: ["Building Competencies: Writing Intensive"] Course Repeatability: Course may not be repeated.

ENG 393 - Writing in the Scientific Disciplines

Course Description:
Rigorous introduction to writing for academic science contexts. Critically examines the current state of academic science writing and explores the multiple practical strategies scientists use to communicate in professional settings.
Credit Hours: 3 University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

ENG 395 - Crime Literature

Course Description:
An in-depth exploration of crime literature; may include hardboiled/detective fiction, noir, true crime, and police procedurals from a variety of writers, periods, nations, and traditions.
Credit Hours: 3 Prerequisite Courses:
Prerequisite or corequisite: ENG 103 or ENG 201 , or consent of instructor. ENG 205 is strongly recommended.
University Studies: ["Building Competencies: Writing Intensive"] Course Repeatability: Course may not be repeated.

ENG 396 - Horror Literature

Course Description:
An in-depth exploration of the horror genre in literature, film, and criticism. Works may be selected from a variety of writers, periods, nations, and traditions.
Credit Hours: 3 Prerequisite Courses:
Prerequisite or corequisite: ENG 103 or ENG 201 , or consent of instructor.ENG 205 is strongly recommended.
University Studies: ["Building Competencies: Writing Intensive"] Course Repeatability: Course may not be repeated.

ENG 397 - Sports Literature

Course Description:

An in-depth exploration of sports literature in a variety of genres. Works may be selected from multiple writers, periods, nations, and traditions.
Credit Hours: 3 Prerequisite Courses:
ENG 103 or ENG 201 , or consent of instructor. ENG 205 recommended but not required.
University Studies: ["Building Competencies: Writing Intensive"] Course Repeatability: Course may not be repeated.

ENG 398 - Religion, Spirituality, and Literature

Course Description:
An in-depth exploration of religious and spiritual literature in a variety of genres (poetry, fiction, drama, nonfiction, and sacred text). Works will be selected from multiple writers, periods, nations, and traditions.
Credit Hours: 3 Prerequisite Courses:
Prerequisite or corequisite: ENG 103 or ENG 201 , or consent of instructor. ENG 205 is strongly recommended.
University Studies: ["Building Competencies: Writing Intensive"] Course Repeatability: Course may not be repeated.

ENG 404 - Advanced Professional Writing

Course Description:
Focus on the development of research, analysis, composition, and design strategies needed to complete complex writing projects within organizational contexts and create effective texts for a range of audiences. Topics may include user experience design, search engine optimization, and project management.
Credit Hours: 3 Prerequisite Courses: ENG 314 or ENG 319 Additional Restrictions/Requirements:
Prerequisite course or consent of instructor.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Repeat Limit: 1

ENG 412 - Writing in Intercultural and Global Contexts

Course Description:
Develops competency in writing within intercultural and global contexts. Focuses on developing critical perspective about cultural concepts and theories in the context of globalization through broader frameworks of discourse, commodities, space, and labor in everyday life.
Credit Hours: 3 University Studies: ["Building Competencies/Writing Intensive, Approaches and Perspectives/Living in a Global Society"] Course Repeatability: Course may not be repeated.

ENG 414 - Writing for the Web

Course Description:

Explores visual rhetoric and new media theories to inform the analysis and production of texts in Web formats. Topics may include writing content for existing Web outlets, markup conventions, search engine optimization, and modification of Content Managment System (CMS) and html/css templates.

Credit Hours: 3 Prerequisite Courses:

ENG 314 or ENG 319

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated.

ENG 417 - Research Methods in Professional Writing

Course Description:

Preparation and practice for applied research projects in the field of professional writing. Focus on both qualitative and quantitative methodologies including rhetorical approaches, ethnomethodologies, discourse analysis, network analysis, and usability.

Credit Hours: 3 University Studies: ["Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated.

ENG 418 - Research Methods in Literary and Cultural Studies

Course Description:

Preparation and practice for research projects in literary and cultural studies. In-depth study of methodologies, including archival studies, history of the book, biography, interviews, oral history, digital humanities, visual methodologies, and textual analysis.

Credit Hours: 3 Prerequisite Courses:

ENG 205 .

Course Repeatability: Course may not be repeated.

ENG 490 - Topics in Literature

Course Description:

The study of a selected literary theme, movement, period, influence, or genre. May be repeated under a different subtitle.

Credit Hours: 3 Additional Restrictions/Requirements:

Nine hours of literature courses, at least three hours at the 300-400 level, or consent of instructor.

Crosslisting:

ENG 509

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

ENG 491 - Directed Individual Study

Course Description:

Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Study section in this catalogue.

Credit Hours: 1 To 3 Additional Restrictions/Requirements:

Junior or senior standing; nine hours of literature or writing courses (depending on project focus), at least three of which are at the 300-400 level; overall GPA of at least 2.00; and consent of instructor, department chair, and dean.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

ENG 495 - Senior Seminar in Literary and Cultural Studies

Course Description:

Intensive opportunity for research experience under faculty supervision of an author or topic in literature. Emphasis on individualized work, which may include oral reports, a longer research project, and appropriate bibliographic assignments. Required of English majors in the Literature Option; fulfills seminar requirements for majors in the Teacher Licensure Option. May be repeated under a different subtitle.

Credit Hours: 3 Prerequisite Courses:

ENG 205 .

Additional Restrictions/Requirements:

Prerequisite course, junior or senior standing, and three additional hours in ENG literature or language at the 300-400 level.

University Studies: ["Building Competencies/Writing Intensive", "Critical Reasoning"] Course Repeatability: Course may be repeated Maximum Repeatable Hours: 6 Repeat Limit: 1

ENG 496 - Senior Seminar in Writing/Rhetoric

Course Description:

Intensive study of a theme, issue, or genre in writing/rhetoric. Provides significant student engagement. Required of English majors in Professional Writing Option; fulfills seminar requirement for Teacher Licensure.

Credit Hours: 3 Prerequisite Courses:

ENG 204 or ENG 205

Additional Restrictions/Requirements:

Prerequisite course, junior or senior standing, or consent of instructor.

University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

ENG 498 - Internship in Writing

Course Description:

Minimum GPA applies. Academic training and practical writing experience through work in a private company or public agency. Faculty supervision and evaluation of all study and on-site activity.

Credit Hours: 3 Additional Restrictions/Requirements:

Junior or senior standing and consent of the internship coordinator.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:

Additional Course Fee Schedule

ENG 499 - Honors Work In English

Course Description:

Independent study for honor students.

Credit Hours: 2 To 3 Additional Restrictions/Requirements:

Eligibility for honors program and nine hours of literature or writing courses (depending on project focus), at least three hours at the 300-400 level.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

EBD 280 - Entrepreneurship for Non-Business Majors

Course Description:

Primary focus on the entrepreneurial mindset and the process for starting a business. Specific areas include the characteristics of successful entrepreneurs, profiles of successful new businesses, identifying and evaluating new business opportunities, and developing the business plan. Social and developmental entrepreneurship are also addressed.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Understanding Human Institutions and Behaviors"] Course Repeatability: Course may not be repeated.

EBD 281 - Creativity and Innovation

Course Description:

Primary focus on the processes for fostering creativity and innovation. Emphasis on the creative process, creative problem solving, and intrapreneurship. Particular attention directed to the development of new products, services, processes, and business models.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

EBD 282 - Entrepreneurship for the Sciences and Engineering

Course Description:

This course introduces non-business, scientifically-oriented students to the process of creating new ventures and entrepreneurship in engineering and science intensive industries, such as chemical, energy, materials, bioengineering, environmental, clean-tech, pharmaceuticals, medical and biotechnology. Students gain a good sense of the excitement, complexity, and challenges associated with the creation of new businesses, whether within an existing organization or in a startup environment. The focus is on new ventures that require long development times, large investments, integration across a wide range of technical and non-technical disciplines, and the creation and protection of intellectual property. Teaching methods will include lectures, case studies, guest speakers and individual and team projects.

Additional Restrictions/Requirements:

This course is for non-business majors and students in the BA Economics program. Students pursuing a BSBA in the Cameron School may not take this course.

Course Repeatability: Course may not be repeated.

EBD 295 - Special Topics in Entrepreneurship

Course Description:

Seminar in selected topics in Entrepreneurship. This course does not fulfill requirements towards any major or concentration in the Cameron School of Business.

Credit Hours: 1 To 3 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

EBD 301 - Entrepreneurial Finance for Non-Business Majors

Course Description:

Course provides students with the knowledge and skills necessary to manage cash as well as manage the necessary records in a small business. Topics include: calculating startup costs, running a monthly, quarterly and annual budget for a business, understanding the different sources of capital and how to obtain them, projecting income and what investors, lenders and grant organizations look for in an entrepreneurial venture. SBIR/STTR funding, financial analysis and record-keeping necessary to comply with federal, state, and local tax law are also addressed.

Credit Hours: 3 Prerequisite or Corequisite Courses:

EBD 280 OR EBD 282

Additional Restrictions/Requirements:

This course is for non-business majors and students in the BA Economics program.

Students pursuing a BSBA in the Cameron School may not take this course.
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

EBD 302 - Managing & Marketing for Entrepreneurs

Course Description:

Focus on key organizational activities that facilitate the growth and management of an enterprise. Provides valuable information for effective marketing techniques designed to grow, compete, and sustain the business. Focus on managing human resources and the ability to strategically develop the business model as it progresses through growth phases. Focus on key organizational activities that facilitate the growth and management of an enterprise. Provides valuable information for effective marketing techniques designed to grow, compete, and sustain the business. Focus on managing human resources and the ability to strategically develop the business model as it progresses through growth phases. Students will also learn successful exit strategies for a business. Leadership, management, positioning, legal strategies, sales strategies, and scaling strategy are also addressed.

Credit Hours: 3 Prerequisite or Corequisite Courses:

EBD 280 OR EBD 282

Additional Restrictions/Requirements:

This course is for non-business majors and students in the BA Economics program. Students pursuing a BSBA in the Cameron School may not take this course.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

EBD 304 - Entrepreneurship in the Arts

Course Description:

This course will introduce and outline the role of "art" in various marketplaces, and how the emerging arts entrepreneur operates in society. Topics include how to position and market aesthetic products, the pricing of art products, understanding consumer behavior for aesthetic products, the modes of financing, and art patronage. Course will also examine the nature of art infrastructures, such as museums, festivals, and galleries, and the overall economics of the arts in modern society.

Prerequisite or Corequisite Courses:

EBD 280 or EBD 282

Course Repeatability: Course may not be repeated.

EBD 354 - Managing Innovation and Technology

Course Description:

Development and adoption of new technology in corporate operations. Attention directed to creating an environment that fosters continuous improvement through experimentation, innovation, and change. Topics include the nature of technology, its role in business strategy, technological forecasting, the creative process, organization and management of professional personnel, and project management techniques.

Credit Hours: 3 Additional Restrictions/Requirements:

Admission to Cameron School of Business.

Crosslisting:

MGT 354

Course Repeatability: Course may not be repeated.

EBD 380 - Entrepreneurship

Course Description:

Primary focus is understanding entrepreneurship as a process and phenomenon that occurs in many different contexts. The course approaches entrepreneurship as a way of thinking and acting, as an attitude and a behavior. Specific areas include entrepreneuriial competencies (e.g., opportunity assessment and recognition techniques) and career paths, venture typologies, as well as basics of business and economic modeling, financing, marketing, legal and IP issues.

Credit Hours: 3 Prerequisite Courses:

Prerequisite or corequisite: ACG 203 .

Course Repeatability: Course may not be repeated

EBD 383 - Entrepreneurship Analytics

Course Description:

Students will develop the ability to build, analyze, and interpret data essential for recognizing attractive entrepreneurial opportunities. As the market place is constantly shifting, the major challenge is to iteratively combine different sources of data to comprehensively identify new offerings, customer preferences, and gaps in the market.

Credit Hours: 3 Prerequisite Courses:

EBD 380 .

Additional Restrictions/Requirements:

Admission to Cameron School of Business.

Course Repeatability: Course may not be repeated.

EBD 393 - Corporate Entrepreneurship

Course Description:

All companies in all industries seek employees that have an entrepreneurial mindset because they are looking for growth and growth is difficult to generate. Emphasis is on how every job presents opportunities for entrepreneurship, and about different mechanisms that companies use to look for and implement new growth initiatives. The course content will include four parts. First, students will have the opportunity to develop a plan to find a job that will take advantage of entrepreneurial mindset. Next, students will learn how they can apply entrepreneurial mindset to any job. The third part will focus on corporate venture groups. The final part will focus on companies and how they can increase entrepreneurial orientation. Several concepts will be utilized to provide students with tools in their corporate entrepreneurial pursuits, for example: Design Thinking, Customer Relationship Management and Continuous Improvement Models.

Prerequisite or Corequisite Courses:

EBD 380

Additional Restrictions/Requirements:

Admission to Cameron School of Business

Course Repeatability: Course may not be repeated.

EBD 480 - Managing Emerging Ventures

Course Description:

Examination of the strategies for successful venture growth. Emphasis is placed on the challenges associated with maintaining a high rate of growth in relatively new firms. Particular attention directed to integrating strategic, operational and cultural issues. Students develop business plans for a new venture or business development. Extensive use of case analysis.

Credit Hours: 3 Prerequisite or Corequisite Courses:

EBD 380 .

Additional Restrictions/Requirements:

Admission to Cameron School of Business.

University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

EBD 481 - Entrepreneurial Finance and Valuation

Course Description:

Focus on financial planning and analysis, sources of funding, and business valuation. Particular attention directed to debt financing, valuation theory and techniques, due diligence, angel investing, venture capital funding, and public/private offerings. Extensive use of case study.

Credit Hours: 3 Prerequisite or Corequisite Courses:

EBD 380 .

Prerequisite Courses:

FIN 335 .

Additional Restrictions/Requirements:

Prerequisite courses and admission to Cameron School of Business.

Course Repeatability: Course may not be repeated.

EBD 482 - Global Entrepreneurship and Exporting

Course Description:

Primary focus on entrepreneurial activities within the international arena. Particular attention on the mechanisms of international entry modes, import and export management, licensing mechanisms, international financing, the impact of globalization, identifying business opportunities, risk assessment, legal and accounting implications of international activities, and international intellectual protection processes. Upon completion of this course, students will be qualified to take the Certified Global Business Professional (CGBP) exam.

Credit Hours: 3 Prerequisite Courses:

INB 300

Additional Restrictions/Requirements:

Prerequisite course and admission to Cameron School of Business.

Course Repeatability: Course may not be repeated.

EBD 490 - Business Development and Commercialization

Course Description:

Course focuses on commercialization of an early stage firm's product, technology and ideas. Issues such as scalability,licensing, intellectual property, project management, and the managerial side of expansion and growth will be studied. The course will also examine entrepreneurial activities commonly seen in coastal regions, such as marine science technologies, aquaculture, tourism, shipping, and other related activities. Extensive use of case study and field projects.

Credit Hours: 3 Prerequisite or Corequisite Courses:

EBD 380 .

Additional Restrictions/Requirements:

Admission to Cameron School of Business.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 3

EBD 491 - Directed Individual Study

Course Description:

For further information, consult the Directed Individual Studies section in this catalogue.
Credit Hours: 1 To 3 Additional Restrictions/Requirements:
Junior or senior standing, overall GPA of at least 3.00, consent of department chairman, and admission to Cameron School of Business.
University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

EBD 495 - Topics in Entrepreneurship and Business Development

Course Description:
Specific topics in entrepreneurship and business development not addressed in depth in other courses. May be repeated under a different subtitle.
Credit Hours: 1 To 3 Additional Restrictions/Requirements:
Admission to Cameron School of Business.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 3

EBD 498 - Internship in Entrepreneurship and Business Development

Course Description:
Involves the application of entrepreneurship and business development knowledge in a real world setting.
Credit Hours: 1 To 6 Prerequisite Courses: EBD 380 Additional Restrictions/Requirements:
Junior or senior standing, prerequisite course, and 3.00 GPA in the Cameron School of Business.
University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

EBD 499 - Honors Work in Entrepreneurship and Business Development

Course Description:
Independent work for honors students.
Credit Hours: 2 To 3 Additional Restrictions/Requirements:
Senior standing and admission to Cameron School of Business.
University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

EVS 195 - Introduction to Environmental Sciences

Course Description:

Interdisciplinary introduction to the scope and application of environmental sciences. Emphasis on integrated analysis of environmental principles and discussions centering on current environmental problems.

Lab:

The lab for this course is EVSL 195 .

Credit Hours: 3 Additional Restrictions/Requirements:

EVS 195 and EVSL 195 may be taken in different semesters.

University Studies: ["Approaches and Perspectives/Scientific Approaches to the Natural World", "Approaches and Perspectives/Living in a Global Society"] Course Repeatability: Course may not be repeated.

EVS 205 - Global Environmental Issues

Course Description:

Interdisciplinary study of contemporary environmental issues at a global scale, such as climate change, human population, biodiversity loss, food and water scarcity, energy, stratospheric ozone depletion, acid rain, and environmental justice. Causes, effects, policy implications, international negotiations, and development of treaties will be examined.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Scientific Approaches to the Natural World", "Approaches and Perspectives/Living in a Global Society"] Course Repeatability: Course may not be repeated.

EVS 291 - Introductory Research

Course Description:

Environmental research under faculty supervision beyond what is offered in existing courses.

Credit Hours: 1 To 3 Additional Restrictions/Requirements:

Freshman or sophomore standing. Consent of instructor and department chair.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 3

EVS 295 - Career Preparation and Networking in EVS

Course Description:

Research and career preparation and networking course required for EVS majors. Engagement with professionals in the EVS field while building research skills and portfolio for career preparation.

Prerequisite Courses:

EVS 195 or EVS 205

Additional Restrictions/Requirements:

Cannot be taken concurrently with Seminar in Environmental Sciences Cannot be

taken after student receives credit for EVS 495 . Not available to OAP enrolled students.
Course Repeatability: Course may not be repeated.

EVS 304 - Citizen Science

Course Description:
Introduction to the rapidly growing, interdisciplinary field of citizen and community-based science. Exploration of prior research and social science theories to highlight strengths and weaknesses of different citizen science approaches. Key principles to creating and managing successful citizen science projects operating at different scales are covered.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

EVS 305 - Environmental Impacts of Climate Change

Course Description:
Team-taught by Department of Environmental Sciences faculty, this course focuses on the current and predicted effects of climate change on Earth's abiotic and biotic environment. This course is intended to enhance students' abilities to address challenges in the 21st century by providing a multidisciplinary approach to problem solving using biological, physical, social, and economic perspectives.
Credit Hours: 3 Prerequisite Courses:
EVS 205 .
Additional Restrictions/Requirements:
Junior/Senior standing or permission of instructor.
Course Repeatability: Course may not be repeated.

EVS 317 - Introduction to Apicultural Science

Course Description:
Introduction to the societal importance, biology, physiology, and management of honeybees. The course prepares students to take the written portion of the North Carolina Beekeeping Association Certified Beekeeper exam. Additional Course Fees: Student Blanket Professional Liability Insurance.
Credit Hours: 2 Additional Restrictions/Requirements:
Junior/Senior standing required, or permission of instructor.
Course Repeatability: Course may not be repeated.

EVS 321 - Analyzing and Communicating Environmental Issues

Course Description:
Studies how current environmental issues are discussed, communicated, and presented to a broad range of audiences. Students research current environmental

topics and make presentations, which are peer-reviewed and critiqued.
Credit Hours: 3 Prerequisite Courses:
EVS 195 or EVS 205 .
Course Repeatability: Course may not be repeated.

EVS 325 - Environmental Economics

Course Description:
Application of basic economic principles to help understand environmental problems and evaluate alternative solutions. Economic principles used to analyze fundamental environmental issues such as property rights, externalities, conservation, public good, environmental protection, natural resource damage assessment, and pollution control. Specific focus on methods for non-market valuation.
Credit Hours: 3 Prerequisite Courses:
ECN 125 or ECN 221
Crosslisting:
ECN 325
Course Repeatability: Course may not be repeated.

EVS 327 - Apiary Management

Course Description:
Management of honeybee apiaries for the production of various hive products. Focus on assessing and treating bee diseases, equipment construction and maintenance, hive manipulation, and planning to ensure colony survival.
Credit Hours: 3 Prerequisite Courses:
EVS 317 .
Additional Restrictions/Requirements:
Junior/Senior standing required, or permission of instructor.
Course Repeatability: Course may not be repeated.

EVS 330 - Natural Resource Economics

Course Description:
Economic principles developed and applied to evaluate public and private decisions involving the use and allocation of natural resources. Optimal control theory developed and applied to the management of natural resources. Attention to specific resource management areas such as forests and fisheries. Feasibility of alternatives for public policy.
Credit Hours: 3 Prerequisite Courses:
ECN 125 or ECN 221
Crosslisting:

ECN 330
Course Repeatability: Course may not be repeated.

EVS 345 - Wilderness First Aid

Course Description:
Study of emergency preparedness and medical first-aid for outdoor professionals working in remote locations. Hands-on training for care of major and minor traumatic injuries, common environmental illnesses, and medical emergencies that occur in remote or wilderness settings. Preparation for certification in Wilderness First Aid. Additional Course Fees: Student Blanket Professional Liability Insurance.
Credit Hours: 1 Additional Restrictions/Requirements:
Requires instructor approval.
Course Repeatability: Course may not be repeated.

EVS 346 - Wilderness First Responder

Course Description:
Study of emergency preparedness and medical first-aid for outdoor professionals working in remote locations. Hands-on training for major and minor traumatic injuries, common environmental illnesses, and medical emergencies that occur in remote or wilderness settings. Preparation for certification in Wilderness First Aid. Includes additional topics not covered in EVS 345 Wilderness First Aid. Additional Course Fees: Student Blanket Professional Liability Insurance.
Credit Hours: 3 Additional Restrictions/Requirements:
Requires instructor approval.
Course Repeatability: Course may not be repeated.

EVS 355 - Marine Debris

Course Description:
Study of marine debris in the field, including plastics, derelict fishing gear, trash, and storm wreckage, affecting the environment, human health, and the economy. Focus on field techniques and preparation of outreach materials for public audiences. Field excursions required. Additional Course Fees: Student Blanket Professional Liability Insurance.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

EVS 360 - Human Dimensions of Natural Resource Management

Course Description:
Examines the interrelationships between the biological sciences, physical sciences, and social sciences within the human dimensions of natural resource management framework in the context of current environmental issues. Uses contemporary

management processes to solve real-world environmental problems.
Credit Hours: 3 Prerequisite Courses:

EVS 195

University Studies: ["Approaches and Perspectives/Understanding Human Institutions and Behaviors", "Approaches and Perspectives/Living in Our Diverse Nation"] Course Repeatability: Course may not be repeated.

EVS 361 - History and Philosophy of Natural Resources Management

Course Description:

Development of natural resources management in the United States. Specific attention to historical development of natural resources management policy, and the philosophical stance of individuals who are instrumental in creation of those policies.
Credit Hours: 3 Prerequisite Courses:

EVS 195

Course Repeatability: Course may not be repeated.

EVS 363 - Foundations of Environmental Education

Course Description: Exploration of environmental education in a wide array of contexts and with diverse audiences. Topics include how to apply relevant theory, prior environmental education research, and key concepts to enhance diverse environmental education programs (e.g., urban, rural, in-person, online, single-day, residential). Credit Hours: 3 Prerequisite Courses: EVS 195 Course Repeatability: Course may not be repeated.

EVS 364 - Natural Resource Policy

Course Description:

Existing natural resource laws, institutions and programs are summarized in their historical context and in relation to current natural resource issues. Philosophical underpinnings of policy positions are examined and discussed. Models of policy creation, implementation, and reform, with specific examples focusing on natural resource management.
Credit Hours: 3 Prerequisite Courses:

EVS 195 or permission of instructor.

Additional Restrictions/Requirements:

Junior or senior standing, or permission of instructor.

Course Repeatability: Course may not be repeated.

EVS 380 - Environmental Justice Strategies

Course Description:

Examination of sociopolitical, psychological, and economic mechanisms of

environmental injustice using current and historical case studies. Evaluation of consequences for underserved populations. Focus on strategies used to combat contemporary environmental injustice, both locally and nationally.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

EVS 400 - Wildlife Management

Course Description:

Introductory principals of wildlife management spanning management perspectives, managing landscapes for wildlife, and managing wildlife populations.
Credit Hours: 3 Prerequisite Courses:

EVS 195 , BIO 366 .

Course Repeatability: Course may not be repeated.

EVS 410 - Environmental Modeling

Course Description:

Overview of environmental modeling as used in practice. Consideration of selected abiotic and biotic models with applications to bacteria, plankton, fish, plants, trees, amphibians, reptiles, birds, and mammals. Hands-on ecological modeling with spreadsheet software.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

EVS 414 - Wildland Fire Ecology

Course Description:

This course examines abiotic and biotic adaptations and effects of fire. Prescribed fire restoration and management will also be discussed in addition to new challenges that are emerging from climate change, fire suppression, and growing populations in areas where wildland fires occur.
Credit Hours: 3 Prerequisite Courses:

EVS 195 , or permission of instructor.

Course Repeatability: Course may not be repeated.

EVS 421 - Literature of the Environment

Course Description:

The goal of the course is to familiarize students with pivotal and influential writings that lay the foundation of environmental sciences and examine various ways writers have presented the natural world. Students will read and discuss material in a loose chronological way, to build a deeper understanding of the discipline - reflecting on where we started and where we are headed. Along the way, we will note the historical and political contexts in which the writing was produced and examine our perceptions of environment—from the philosophical to the political and from

scientific to poetic.

Credit Hours: 3 Prerequisite Courses:

EVS 195 or EVS 205 , or permission of instructor.

Course Repeatability: Course may not be repeated.

EVS 422 - Marine Environmental Survey Techniques

Course Description:

Introduction to the fundamentals of environmental marine survey techniques for conservation and management purposes. Use of bathymetric, acoustic imaging, underwater video and seabed sampling techniques to collect, process, export and characterize data related to a range of marine environments in coastal North Carolina.Additional Course Fees: Student Blanket Professional Liability Insurance.

Credit Hours: 3 Prerequisite Courses:

GGY 321

Additional Restrictions/Requirements:

Junior/Senior standing required, or permission of instructor.

Course Repeatability: Course may not be repeated.

EVS 424 - Environmental Nonprofit Organizations

Course Description:

Introduction to the unique issues facing environmental nonprofit organizations when addressing wicked problems in conservation, sustainability, and environment. Practical application and examination of real-world case studies provides a foundation to examine best practices in outreach, education, systems thinking, and adaptive management from local and global frameworks in environmental nonprofit organizations.

Credit Hours: 3 Additional Restrictions/Requirements:

Junior/Senior standing required or permission of instructor.

Course Repeatability: Course may not be repeated.

EVS 426 - Island Ecology for Educators

Course Description:

A field-based exploration of plants and animals of coastal island ecosystems and related environmental issues. Students will develop readily-accessible, web-based materials appropriate for outreach and education. This course focuses on both science content and pedagogical resource development.

Credit Hours: 3 Crosslisting:

EDN 426

Course Repeatability: Course may not be repeated.

EVS 427 - Research and Evaluation in Environmental Education

Course Description:

Exploration of the practical skills necessary to conduct program evaluation and research and the importance of these efforts in the environmental education field.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

EVS 428 - Environmental Interpretation in Protected Areas

Course Description:

Exploration of key concepts related to environmental interpretation in terrestrial and marine protected areas. Focus on, and experience in, the development and implementation of environmental interpretive materials (e.g., brochures, signage, exhibits) and activities (e.g., talks, guided tours, field trips). Additional Course Fees: Student Blanket Professional Liability Insurance.

Credit Hours: 3 Course Repeatability: Course may not be repeated. Additional Course Fees: ["None"]

EVS 431 - International Field Experience

Course Description:

An interdisciplinary introduction to environmental field methods and investigation in foreign countries. Focused study on environmental issues and problems specific to host country on local, regional, and global scales. Course integrates field and classroom instruction. Additional Course Fees: Student Blanket Professional Liability Insurance.

Credit Hours: 1 Prerequisite Courses:

EVS 195

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Repeat Limit: 5

EVS 433 - Tree and Forest Measurement

Course Description:

Study of forest mensuration including skills needed to take accurate forest measurements using essential forestry tools. Topics include foundations of forestry; forest ecology; essential tree and forest measurements such as tree age, height, and basal area; and key forestry topics such as tree regeneration, prescribed fire, and forest understory. Additional Course Fees: Student Blanket Professional Liability Insurance.

Credit Hours: 3 Prerequisite Courses:

EVS 195, or permission of instructor.
Course Repeatability: Course may not be repeated.

EVS 439 - Environmental Field Methods

Course Description:
Lecture and field applications of contemporary technologies and techniques used in the environmental sciences. Focus is on skills in the field to understand and address environmental problems. May be offered under a variety of subtitles.
Credit Hours: 1 To 3 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

EVS 440 - Wildlife Field Methods for Conservation

Course Description:
A hands-on course in the tools and techniques of wildlife field methods. Focusing on amphibians, reptiles, birds, and mammals, students learn basic applied wildlife methods employed by conservation and management agencies. Additional Course Fees: Student Blanket Professional Liability Insurance.
Credit Hours: 4 Corequisite Courses:
EVS 195, and STT 215 or GGY 222, or permission of instructor.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 8 Repeat Limit: 1

EVS 441 - Advanced Environmental Field Methods

Course Description:
Survey of methods, techniques, and tools used to gather and analyze data in environmental fieldwork with application to environmental issues and management. Field trips required. Additional Course Fees: Student Blanket Professional Liability Insurance.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

EVS 444 - Wildland Fire Behavior and Fuels

Course Description:
Introduction to wildland fire behavior. Topics include fuels, weather, and topography and how these factors shape fire behavior and fire management.
Credit Hours: 3 Prerequisite Courses:
EVS 195 or permission of instructor.
Course Repeatability: Course may not be repeated.

EVS 445 - Environmental Conservation

Course Description:
A scientific exploration of conservation theories and practices to understand the challenges of protecting, maintaining, and restoring biological diversity to Earth's

many environs.
Credit Hours: 3 Prerequisite Courses:
EVS 195 , EVSL 195 , BIO 366 , BIOL 366 .
Additional Restrictions/Requirements:
Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

EVS 448 - Human Wildlife Conflict

Course Description:
An introduction to the causes and impacts of conflicts between people and wildlife, as well as potential solutions, examined from both ecological and social perspectives. Theoretical management perspectives and intervention strategies aimed at mitigating conflicts are used to develop real-world solutions to global human-wildlife conflicts.
Credit Hours: 3 Prerequisite Courses:
EVS 195 and EVS 205 .
Course Repeatability: Course may not be repeated.

EVS 450 - Avian Conservation and Management

Course Description:
Exploration of the primary threats to North American bird populations, the ecological mechanisms that influence avian populations, and management solutions that can enhance the conservation of avifauna.
Credit Hours: 3 Prerequisite Courses:
EVS 195 .
Additional Restrictions/Requirements:
Junior or Senior status.
Course Repeatability: Course may not be repeated. Additional Course Fees: ["None"]

EVS 452 - Offshore Energy & Resource Management

Course Description:
Introduction to the fundamental concepts behind offshore energy and resource management. Examination of a range of marine resources, including offshore oil and gas; wave, wind and tidal energy; and marine minerals. Discussion of the historical evolution, technological developments, challenges and potential impacts of each offshore resource. Additional Course Fees: Student Blanket Professional Liability Insurance.
Credit Hours: 3 Additional Restrictions/Requirements:
Junior or senior standing, or permission of instructor.

Course Repeatability: Course may not be repeated.

EVS 455 - Geospatial Analysis for Coastal Management

Course Description:

Examination of coastal issues and management using a problem-based GIS approach. Topics include developing a GIS, managing data acquired from different sources, creating new data, describing data, and generating desired outputs. Student projects utilize various GIS programs, extensions and equipment. Additional Course Fees: Student Blanket Professional Liability Insurance.

Credit Hours: 3 Prerequisite Courses:

GGY 321, or instructor approval.

Course Repeatability: Course may not be repeated.

EVS 456 - Land Survey Technology for Natural Resource Management

Course Description:

Introduction to the operation and application of land survey technology for natural resource management. Consideration of equipment operation, best practices in natural resource surveys, project planning, and data analysis. Additional Course Fees: Student Blanket Professional Liability Insurance.

Credit Hours: 2 Prerequisite Courses:

GGY 321, or permission of instructor.

Course Repeatability: Course may not be repeated.

EVS 457 - Introduction to Drone Operations in Environmental Science

Course Description:

Introduction to the operation and application of small unmanned aerial systems in environmental science. Examination of responsible operation, compliance with both federal and state regulations, requirements for FAA certification, flight planning, and basic image processing. Additional Course Fees: Student Blanket Professional Liability Insurance.

Credit Hours: 1 Prerequisite Courses:

EVS 195, or permission of instructor.

Additional Restrictions/Requirements:

Course Repeatability: Course may not be repeated.

EVS 460 - Environmental Education Technologies

Course Description:

Focus on the use of new technologies to teach about the environment; current issues and trends in environmental education; the development, implementation, and assessment of new technologies; and effective instructional strategies to teach key environmental principles and concepts.

Credit Hours: 3 Crosslisting:

EVS 560

Course Repeatability: Course may not be repeated.

EVS 465 - Education for Sustainable Development

Course Description:

Study of educational strategies and methods for implementing priority action areas of sustainable development goals. Focus on sustainable development education as practiced in the field in different countries under varying circumstances using a case study approach. Evaluation of the relative success of alternative teaching methods related to sustainable development across locations and cultures.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

EVS 466 - Sustainable Tourism

Course Description:

Introduction to concepts and principles of sustainable tourism development, emphasizing implications for management and planning. Cases from the U.S. and around the world are used to examine and discuss issues and practices of sustainable tourism development within different geocultural contexts.

Credit Hours: 3 Additional Restrictions/Requirements:

Junior or senior standing, or permission of instructor.

Course Repeatability: Course may not be repeated.

EVS 468 - Hazards, Risks, and Community Resilience

Course Description:

Overview of natural hazards and disasters, focusing on their social, economic and environmental impacts and the complex and interconnected systems affected by environmental and social change. This course also provides an exploration into alternative and sustainable ways to view, study, and manage hazards in the U.S, as well as disaster-resilient communities, higher environmental quality, inter- and intra-generational equality, economic sustainability, and improved quality of life.

Credit Hours: 3 Additional Restrictions/Requirements:

Junior or senior standing, or permission of instructor.

Course Repeatability: Course may not be repeated.

EVS 469 - Restoration Ecology

Course Description:

Study of the ecological processes that underlie the restoration of natural communities in ecosystems. Examination of all aspects of restoration work, including planning and monitoring. Consideration of a variety of disturbance types, including agricultural, natural resource extraction, waste management, urbanization, and tourism. Off campus field trips required. Additional Course Fees: Student Blanket Professional Liability Insurance.

Credit Hours: 3 Prerequisite Courses:

BIO 366.

Additional Restrictions/Requirements:

Junior status or higher.

Course Repeatability: Course may not be repeated.

EVS 471 - National Parks and Protected Areas

Course Description:

Course will explore national parks and protected areas in the US and beyond from historical, ecological, social, and political perspectives. We will focus on understanding the role of these natural spaces in culture, individual and societal well-being, and environmental health and well as the impact of use, recreation and tourism on the parks themselves.

Credit Hours: 3 Prerequisite Courses:

EVS 195 and EVS 205 .

Course Repeatability: Course may not be repeated.

EVS 472 - Coastal Protected Areas Management

Course Description:

Study of resource management focused on protected areas maintained by government agencies and by private non-profit organization. Emphasis will be on natural area significance, site selection, management plan development, policy formulation, protection options, use conflicts, and public relations.

Credit Hours: 3 Prerequisite Courses:

EVS 195 and EVS 360

Additional Restrictions/Requirements:

Prerequisite courses or consent of the Instructor.

Course Repeatability: Course may not be repeated.

EVS 474 - Wildland Fire Management

Course Description:

Study of wildland fire management. Focus on the suppression of wild fires and the use of controlled burning as a natural resource management tool. Participation in practical field training including controlled burns. Participants must meet physical fitness guidelines. Additional Course Fees: Student Blanket Professional Liability Insurance.

Credit Hours: 3 Additional Restrictions/Requirements:

Junior or senior standing or consent of instructor.

Course Repeatability: Course may not be repeated.

EVS 476 - Topics and Issues in Sustainability

Course Description:

Study of fundamental concepts related to a sustainable society including current global and local issues. Focus on environmental topics (energy, water, climate, soil, forests, food, and population) with consideration of current social and economic issues. Additional Course Fees: Student Blanket Professional Liability Insurance.

Credit Hours: 3 Prerequisite Courses:

EVS 195 and EVSL 195

Additional Restrictions/Requirements:

Prerequisite courses or consent of the instructor.

Course Repeatability: Course may not be repeated.

EVS 477 - Environmental Site Assessment

Course Description:

Study of ASTM guidelines for environmental site assessment, emphasis on historic overview, regulations, and preparation methods associated with environmental site assessment. Lecture and field trips.

Credit Hours: 3 Additional Restrictions/Requirements:

Junior or senior standing or consent of the instructor.

Course Repeatability: Course may not be repeated.

EVS 478 - Hazardous Waste Operations and Emergency Response

Course Description:

Study of the physical and chemical hazards present at hazardous waste sites and those encountered during environmental clean-ups, as well as OSHA regulations pertaining to those sites. The class will meet the 40 CFR 1910.120 requirements for 40+ hours of training and OSHA certification will be issued.

Credit Hours: 3 Additional Restrictions/Requirements:

Junior or senior standing or consent of instructor.
Crosslisting:
EVS 578
Course Repeatability: Course may not be repeated.

EVS 481 - Estuarine Aquatic Drones

Course Description:
Introduction to shallow water aquatic drones and near-shore, saltwater applications. Review of the history of aquatic drones and investigation of the principles of shallow water drone design and operations. Hands-on drone construction, deployment and operation in the field, including installation and use of appropriate software. Additional Course Fees: Student Blanket Professional Liability Insurance.
Credit Hours: 3 Additional Restrictions/Requirements:
Junior or senior standing, or permission of instructor.
Course Repeatability: Course may not be repeated.

EVS 483 - Fisheries Policy and Management

Course Description:
Overview of fisheries policy and management. Considers important international, national, and regional fisheries, with extended consideration of North Carolina fisheries. Reviews fisheries management agencies, policies, data sources, trends and issues. Examines common biological fishery models, fishing methods and gear, and fishery regulations. Explores methods for assessing the economic impacts of fishing and the recreational value of fishing.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

EVS 484 - Agriculture and the Environment

Course Description:
Interdisciplinary exploration of the impacts of crop and animal agriculture on terrestrial, aquatic, and marine environments. Topics include natural habitat impacts, sediment transport, nutrient runoff, land conversion, and concentrated feeding operations. Emphasis on building student communication skills and competency in critical analysis of current environmental issues.
Credit Hours: 3 Prerequisite Courses:
EVS 195 .
Course Repeatability: Course may not be repeated. Additional Course Fees: ["None"]

EVS 485 - Special Topics in Advanced Environmental Science

Course Description:
Selected topics in environmental science not covered in detail in regular course

offerings.
Credit Hours: 1 To 6 Prerequisite Courses: EVS 195 Additional Restrictions/Requirements:
Junior or senior standing, prerequisite course or consent of instructor.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

EVS 489 - Wetlands Ecology and Management

Course Description:
Introduction to principles of wetland science emphasizing identification and management. Examination of biological, physical, chemical, and ecological aspects of wetland ecosystems at local, landscape, and global scales, with a focus on classification and legal protection of wetlands in North Carolina. Experience in techniques for identification and delineation of wetland ecosystems.
Credit Hours: 4 Prerequisite Courses:
EVS 195 and BIO 366 , or consent of instructor.
Course Repeatability: Course may not be repeated.

EVS 490 - Environmental Community Engagement

Course Description:
Introduction to the role of environmental agencies in the community. Requires 40 hours of volunteer time directed toward helping the mission of the environmental agency. Additional liability insurance expense may be necessary.
Credit Hours: 1 Additional Restrictions/Requirements:
Must be Environmental Science minor or Sustainability minor.
Course Repeatability: Course may not be repeated. Additional Course Fees: ["Student Blanket Professional Liability Insurance"]

EVS 491 - Directed Individual Study

Course Description:
Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the
Depending on their interests and abilities, UNCW students may choose from several kinds of special courses and programs to individualize and otherwise enrich their studies.

- This course, designated as 491 in each department, involves investigation beyond what is offered in existing courses. To enroll in a Directed Individual Study, students must be a junior or senior. Additionally, students must have an overall grade point average of at least 2.00 and the approval of (1) the faculty member who will direct the study, (2) the departmental chairperson, and (3) the appropriate dean. Departmental criteria will include (1) the availability of the instructor (instructors may

only supervise a limited number of independent studies each semester), (2) the appropriateness of and need for the proposed study in the student's program, (3) the availability of library and other research resources, and (4) the feasibility of completion of the proposed study in the allotted time. Students are limited to nine credit hours of Directed Individual Study toward graduation requirements.

- Several departments within the College of Humanities, Social Sciences, and the Arts and the professional schools offer field experience courses as part of their semester or summer programs. Participating students conduct individual or group research under faculty guidance at selected areas within and outside the continental United States. Apart from the greater Wilmington area, field experience courses have been conducted in such places as the Florida Keys, Barbados, the Bahamas, Portugal, and parts of Central and South America.

- Raymond L. Burt, *coordinator*
  The German Studies Consortium links participating UNC institutions to facilitate the sharing of teaching and learning resources to enhance German Studies across The University of North Carolina system. This consortium offers a broad array of German Studies courses in the language, literature, and culture of the German-speaking countries taught by specialists in the field. The primary focus is on the sharing of upper-level German classes offered each semester on the North Carolina Information Superhighway. Participant universities include Appalachian State University, East Carolina University, North Carolina State University, the University of North Carolina at Asheville, the University of North Carolina at Charlotte, the University of North Carolina at Greensboro, University of North Carolina Wilmington, and Western Carolina University. For course details, visit the UNC Online Exchange.

- Regina Felix, *coordinator*
  The Portuguese Exhange links participating UNC institutions to facilitate the sharing of teaching and learning resources to enhance Portuguese language and Portugurese and Brazilian Studies across the University of North Carolina system. This exchange offers courses in the language, literature, and culture of the

Portuguese-speaking countries taught by specialists in the field. Participant universities include Appalachian State University, North Carolina State University, the University of North Carolina Asheville, the University of North Carolina at Chapel Hill, the Unversity of North Carolina at Charlotte, the University of North Carolina Wilmington, and Winston Salem State University. For course details, visit the UNC Online Exchange.

- Dave Graber, *coordinator*
  The Russian Studies Consortium links participating UNC institutions to facilitate the sharing of teaching and learning resources to enhance Russian Studies across The University of North Carolina system. This consortium offers a broad array of Russian Studies courses in the language, literature, history, film, society, and culture in the Russian-speaking countries, which can be taught in the target language and/or in translation by specialists with credentials in Russian Studies. The primary goal focuses on the sharing of elementary, intermediate, and upper level Russian Studies classes offered each semester as well as summer session courses on the North Carolina Information Superhighway and/or fully online. Participant universities include Appalachian State University, East Carolina University, North Carolina State University, The University of North Carolina at Charlotte, The University of North Carolina at Greensboro, and The University of North Carolina Wilmington. Courses are offered through the UNC Online Exchange.

- Raymond L. Burt, UNCW *coordinator*
  The UNC Language Assembly is a cooperative of the language departments of all 17 campuses of the UNC System, and serves the UNC System and the State of North Carolina by supporting the foreign language programs at the constituent institutions and by seeking to offer a wide diversity of foreign language choices to the students at all the UNC campuses. Students are not required to pay tuition at the other campus, since UNCW tuition applies to these courses as well. Courses are taught online or through videoconference technology. Students can directly enroll in language classes offered by campuses through the UNC Online Exchange.

- https://uncw.edu/myuncw/academics/graduate-school/forms

Graduate Courses Taken for Undergraduate Credit

Graduate courses at UNCW or other accredited institutions may be used to fulfill undergraduate requirements if approved by the course instructor, student's department chair, undergraduate dean, and the dean of the Graduate School. All other transfer credit policies apply. Permission forms may be obtained on the Graduate School forms page under the "Undergraduate Registration for Graduate Courses" section at https://uncw.edu/myuncw/academics/graduate-school/forms.

Graduate Course Taken as an Undergraduate to Later Apply to a Graduate Degree

Undergraduate students who wish to take graduate courses and later receive graduate credit for them must fill out a Docusign to obtain permission in advance from the course instructor, student's department chair and undergraduate dean, and the Graduate School for approval. Graduate courses taken under this provision may not be used to fulfill undergraduate degree requirements. Permission forms may be obtained on the Graduate School form page under the "Undergraduate Registration for Graduate Courses"
section https://uncw.edu/myuncw/academics/graduate-school/forms.

Credit for Approved Combined Degree Programs

Graduate courses used to fulfill an undergraduate degree requirement at UNCW may be applied to a graduate degree only when taken as part of an approved combined degree program. Courses applied toward an awarded degree may not be applied to a second degree except as described by specific degree programs.

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https://www.uncw.edu/global/
The Office of Global Partnerships and International Education is comprised of three units: Education Abroad, English Language Center, and the Office of International Students & Scholars.

Education Abroad

UNCW offers more than 800 education abroad opportunities in more than 50 countries. Options available include coursework taken abroad, international internships for academic credit, credit-bearing service-learning experiences, academic research, and virtual global learning opportunities. UNCW provides education abroad opportunities to suit nearly every major and credit earned through international programs may be applied towards a UNCW degree. Financial aid may be used in conjunction with education abroad programs and scholarships are available. Students may select from short-term and summer programs, as well as semester, year-long and two-year dual degree options.
All applications for any credit-bearing program abroad must be made through the Office of Global Partnerships and International Education.
UNCW students who study abroad retain their active UNCW student status and will not have to re-enroll upon return.
Eligibility requirements include:

- 18 years of age at the time of participation
- Good disciplinary standing
- 2.5+ cumulative grade point average
- Sophomore+ status (select programs are open to first-year students)
- Any program-specific requirements
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Several programs in the College of Humanities, Social Sciences, and the Arts, College of Science and Engineering, College of Education, College of Health and Human Services, and the Cameron School of Business offer students the opportunity to earn academic credit within a work environment external to the program. The purpose of the internship experience is to enhance, supplement, and integrate the learning that occurs in formal classroom settings. Permission of the dean and program offering the internship is required to enroll, and the program places limits on the number of credit hours earned applicable toward graduation. Internships designated by a 498 number will be graded on a Pass (P), Fail (F) basis. These credit hours earned will count towards the number of hours required to graduate, but the grade of Pass (P) will be excluded from the computation of the GPA. For further information on internships, refer to the courses numbered 498 in the course listings and then contact the departments offering them.

- The North Carolina Child Welfare Education Collaborative is a university-agency partnership that ensures a quality work force in child welfare settings. The educational goal of this program is to directly address the workforce need for social workers in child welfare settings. Administered by the Jordan Institute for Families, the collaborative includes North Carolina social work education programs, the NC Division of Social Services, the NC Association of County Directors of Social Services and the NC Chapter of the National Association of Social Workers. Educating, training, and supporting current and future social workers in child welfare meets the goal of strengthening families and protecting children. The collaborative offers focused educational courses, training and field experience in child welfare agencies. Participating universities include Appalachian State University, University of North Carolina at Chapel Hill, East Carolina University, North Carolina State University, Joint Masters of Social Work Program at University of North Carolina at Greensboro and North Carolina Agricultural and Technical State University, and University of North Carolina Wilmington.

- The Reverse Transfer Program is a collaborative effort between North Carolina's Community Colleges and the University of North Carolina's 16 constituent institutions. Students who transfer to UNC Wilmington from one of the 58 North Carolina community colleges are given the opportunity to combine the credits

earned at UNCW with credit already earned at the community college to determine if the associate degree requirements have been met. Students have the opportunity to opt-in to this program at the time of admission as a transfer student. There is no cost to participate. For more information, contact the Office of the Registrar.
Eligibility: Students must have earned at least 16 college-level credit hours at one community college applicable towards their degree, to be eligible to participate. After earning a total of 60 combined credits, the student's UNCW records will be sent back to their previous community college for evaluation. The community college will contact students via their UNCW email, with further details, if the Associate degree is awarded.

- Several UNCW courses employ service-learning opportunities. Service learning is an innovative method of teaching and learning that combines thoughtfully organized service to the community with other means of instruction. Community service-projects are integrated into and enhance the academic curriculum of students, fitting naturally into the philosophy and pedagogy of a variety of disciplines and fostering civic responsibility. Both students and the community benefit from service learning. Service-learning courses have several strengths, not the least of which is that they are adaptable to the needs of the community while providing structured time for the students to reflect on the service experience.

section in the catalogue.
Credit Hours: 1 To 6 Additional Restrictions/Requirements:
Junior or senior standing, overall GPA of at least 2.00, and consent of instructor and department chair.
University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

EVS 495 - Seminar in Environmental Sciences

Course Description:
Individual reports and group discussions of the results of student field, laboratory, or library research on selected topics in environmental planning and policies.
Credit Hours: 0 to 3 Prerequisite Courses:
EVS 195 and ENG 393.
Additional Restrictions/Requirements:
Senior standing. In addition, all students require consent of instructor, who provides

an override for the lecture portion of the course and a separate override for the lab portion of the course. Students must take both the lecture and the lab concurrently.
University Studies: ["Building Competencies/Writing Intensive", "Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated. Major Restriction: EVS Minor Restriction: EVS

EVS 497 - Practicum in Environmental Sciences

Course Description:

Advanced field placement experience in governmental, corporate, NGO or other setting in the environmental field. Provides extended opportunity for fieldwork, research, and creative projects. Relates theory to practical application in the field. 40 hours of field work for each credit hour. Additional liability insurance expense may be necessary.

Credit Hours: 1 To 12 Additional Restrictions/Requirements:

Declared major in EVS, 2.00 GPA overall, and consent of instructor.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

EVS 498 - Internship in Environmental Sciences

Course Description:

Synthetic approach to the study of the environment. Development of the "holistic" view of the environment, its interrelationship with science, technology, and society in a seminar format. Involves a work experience with an agency or organization in the area of environmental studies. Additional insurance expense may be necessary.

Credit Hours: 1 To 12 Additional Restrictions/Requirements:

Declared major in EVS, 2.00 GPA overall, consent of instructor, Director of Environment Sciences, and Dean of College of Arts and Sciences.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

EVS 499 - Honors Work in Environmental Sciences

Course Description:

Independent study for honors students.

Credit Hours: 2 To 3 Additional Restrictions/Requirements:

Senior standing.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be

repeated. Maximum Repeatable Hours: 6

EVSL 195 - Environmental Sciences Lab

Course Description:

Laboratory analysis of environmental principles, resources, and problems. Application of scientific and social principles to solving current environmental problems.

Lab:

This course is the lab for EVS 195 .

Credit Hours: 1 Prerequisite or Corequisite Courses:

EVS 195

Additional Restrictions/Requirements:

EVSL 195 may be taken in the same semester as EVS 195 or in a semester subsequent to EVS 195.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated.

EXS 199 - Topics in Exercise Science

Course Description:

Selected topics in exercise science.

Credit Hours: 1 To 6 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

EXS 200 - Suspension Training System

Course Description:

This foundational course will provide students with fundamental knowledge, technique, and application of the suspension training system. This course will also introduce progressive applications of the suspension training system, specifically, proprioceptive and balance training, relation components to rehabilitiation, and sports specificity.

Credit Hours: 2 Course Repeatability: Course may not be repeated.

EXS 201 - Principles and Application of Group Exercise Instruction

Course Description:

This course is designed to provide theoretical knowledge and practical skills in preparation for group exercise instruction and sitting for a national certification exam in group fitness instruction. Topics include guidelines for instructing safe, effective, and purposeful exercise, essentials of the instructor–participant relationship, principles of motivation to encourage adherence in the group fitness setting,

effective instructor-to-participant communication techniques, methods for enhancing group leadership, and the group fitness instructor's (GFI's) professional role.
Course Repeatability: Course may not be repeated.

EXS 210 - Introduction to Exercise Science

Course Description:

This foundational course is designed to introduce students to the field of exercise science by providing a curriculum overview, explanation of the sub-disciplines, professional organizations and certifications, and potential careers in the field of Exercise Science and related allied-health professions.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

EXS 216 - Human Anatomy and Physiology I

Course Description:

Examines seven of the major organ systems that includes the human integumentary, skeletal, muscular, circulatory, and respiratory structures and functions as related to health and movement.
Credit Hours: 3 Corequisite Courses:

EXSL 216

University Studies: ["Approaches and Perspectives/Scientific Approaches to the Natural Word"]
Course Repeatability: Course may not be repeated.

EXS 217 - Human Anatomy and Physiology II

Course Description:

Examines six major organ systems that include the human nervous, endocrine, immune, digestive, urinary and reproductive systems as related to health and movement.
Credit Hours: 3 Corequisite Courses:

EXSL 217

Prerequisite Courses:

EXS 216

University Studies: ["Approaches and Perspectives/Scientific Approaches to the Natural World"]
Course Repeatability: Course may not be repeated.

EXS 266 - Applications of Computers in Physical Education and Health

Course Description:

Introduction to technology for students in physical education and health. Topics include microcomputer operations, computer software applications, the Internet, distance learning technologies, and ethics of computer use.

Credit Hours: 3 Additional Restrictions/Requirements:

Open to declared physical education majors only or consent of instructor.

Crosslisting:

HEA 266 , PED 266

Course Repeatability: Course may not be repeated.

EXS 292 - Trial Course

EXS 294 - Exercise Science Study Abroad I

Course Description:

This course provides Exercise Science undergraduate study abroad opportunities.

Credit Hours: 1 To 6 University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated.

EXS 310 - Research Methods in Exercise Science

Course Description:

Methods of research in the field of exercise science. Identification of research problems, sampling methods, data analysis and interpretation, and planning of evaluation studies.

Credit Hours: 3 Prerequisite Courses:

EXS 210 with a "C" or better or RSP 324

University Studies: ["Building Competencies/Writing Intensive", "Building Competencies/Information Literacy", "Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated.

EXS 311 - Legal Issues in Exercise Science

Course Description:

Introduction to legal aspects of amateur sport and physical activity emphasizing knowledge required of the exercise science and sport professional. Focus upon current terminology, legal procedures and operations, and case studies.

Credit Hours: 3 Prerequisite Courses:

EXS 210 with a "C" or better.

Course Repeatability: Course may not be repeated.

EXS 312 - Management in Exercise Science

Course Description:

This course will focus upon managerial theories and its applications in exercise science and allied-health organizations. Specific topics include organizational theories, communication, leadership,motivation, managerial skills, functions of management, issues of policies, marketing, and financial aspects of management.

Credit Hours: 3 Prerequisite Courses:

EXS 210 with a "C" or better.

Course Repeatability: Course may not be repeated.

EXS 313 - Measurement and Evaluation in Exercise Science

Course Description:

Application of measurment and evaluation theories, concepts, and practices to the planning and administration of effective physical activity programs; includes basic statistical techniques and interpretation of data.

Credit Hours: 3 Prerequisite Courses:

EXS 210 with a "C" or better.

Course Repeatability: Course may not be repeated.

EXS 314 - Entrepreneurship, Leadership, and Legal Concepts in the Health and Fitness Industry

Course Description:

Introduction to legal aspects of amateur sport and physical activity emphasizing knowledge required of the exercise science and sport professional. Focus upon current terminology, legal procedures and operations, and case studies. Furthermore, this course will focus upon managerial theories and its applications in exercisescience and allied-health organizations. Specific topics include organizational theories, communication, leadership, motivation, managerial skills, functions of management, issues of policies, marketing, and financial aspects of management.

Credit Hours: 3 Prerequisite Courses:

EXS 210 .

Course Repeatability: Course may not be repeated.

EXS 320 - Exercise Physiology

Course Description:

This course is designed to enhance knowledge with respect to the physiological considerations and associated mechanisms related to physical activity, exercise, and performance.

Credit Hours: 3 Corequisite Courses:

EXSL 320.

Prerequisite Courses:

BIO 201 with a "C" or better, CHM 101 with a "C" or better, CHML 101 with a "C" or better, MAT requirement with a "C" or better (MAT 111 or MAT 112 or MAT 115 or MAT 151 or MAT 161 or MAT 160 with a "C" or better), (EXS 216 with a "C" or

better and EXSL 216 with a "C" or better) or (BIO 240 with a "C" or better and BIOL 240 with a "C" or better) and (EXS 310 with a "C" or better or CHHS 411 with a "C" or better).

Additional Restrictions/Requirements:

Restricted to Preexercise Science (PEXS) or Exercise Science (EXS) majors only or permission of instructor at the time the course begins.

University Studies: ["Critical Reasoning"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

EXS 321 - Biomechanics

Course Description:

Neuromuscular and mechanical principles of human movement with emphasis on movement analysis most often encountered in fitness activities and sport skills.

Credit Hours: 3 Prerequisite Courses:

BIO 201 with a "C" or better, CHM 101 with a "C" or better, CHML 101 with a "C" or better, MAT requirement with a "C" or better (MAT 111 or MAT 112 or MAT 115 or MAT 151 or MAT 161 or MAT 160 with a "C" or better), (EXS 216 with a "C" or better and EXSL 216 with a "C" or better) or (BIO 240 with a "C" or better and BIOL 240 with a "C" or better) and (EXS 310 with a "C" or better OR CHHS 411 with a "C" or better).

Additional Restrictions/Requirements:

Restricted to Preexercise Science (PEXS) or Exercise Science (EXS) majors only or permission by instructor at the time the course begins.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

EXS 322 - Sports Nutrition

Course Description:

Relationship of exercise, physical activity, and performance to human nutrition. In-depth information on human energy systems, weight management, macronutrients, micronutrients, and ergogenic aids.

Credit Hours: 3 Prerequisite Courses:

BIO 201 with a "C" or better, CHM 101 with a "C" or better, CHML 101 with a "C" or better, MAT requirement with a "C" or better (MAT 111 or MAT 112 or MAT 115 or MAT 151 or MAT 161 or MAT 160 with a "C" or better), EXS 310 with a "C" or better or CHHS 411 with a "C" or better.

Additional Restrictions/Requirements:

Restricted to Preexercise Science (PEXS) or Exercise Science (EXS) majors only or permission of instructor at the time the course begins.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

EXS 331 - Applied Biomechanics in Strength and Conditioning

Course Description:

Neuromuscular and mechanical principles of human movement with emphasis on movement analysis related to strength and conditioning.

Credit Hours: 3 Prerequisite or Corequisite Courses:

EXS 321.

Prerequisite Courses:

EXS 310.

Course Repeatability: Course may not be repeated. Major Restriction: Exercise Science

EXS 342 - Skill Analysis for Sport and Physical Activity

Course Description:

Advanced analysis of sport and physical activity skills. Emphasis on observation, error detection and analysis, and improvement prescription. Focus on beginner to intermediate level of performance. Required physical performance of skills.

Credit Hours: 3 Prerequisite Courses:

EXS 321

Additional Restrictions/Requirements:

Restricted to EXS majors.

Crosslisting:

PED 342

Course Repeatability: Course may not be repeated.

EXS 350 - Motor Behavior

Course Description:

Motor skill acquisition, control, and performance. Physiological and psychological principles of human growth and development. Includes analysis of the sequential progression of fundamental motor skills from infancy through adulthood with primary focus on school-age children.

Credit Hours: 3 Prerequisite Courses:

EXS 216

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

EXS 410 - Essentials of Strength Training and Conditioning I

Course Description:

This course is a comprehensive overview of the scientific foundations of strength and conditioning. Emphasis will be placed on the exercise sciences, including

anatomy, exercise physiology, biomechanics, nutrition, and the psychology of performance.

Credit Hours: 3 Prerequisite Courses:

Prerequisite: EXS 320 with a "C" or better and EXSL 320 with a "C" or better.

Prerequisite or corequisite: EXS 321 .

Additional Restrictions/Requirements:

Restricted to Exercise Science (EXS) majors only or permission of instructor.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

EXS 411 - Exercise Prescription I

Course Description:

Concepts of health related physical fitness with emphasis on the design of an individualized exercise program for all ages within an apparently healthy population.

Credit Hours: 3 Corequisite Courses:

EXSL 411

Prerequisite Courses:

EXS 320 with a "C" or better and EXSL 320 with a "C" or better.

Additional Restrictions/Requirements:

Restricted to Exercise Science (EXS) or permission of instructor. Must have minimum cumulative GPA of 2.70.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

EXS 412 - Facilitating Behavior Change

Course Description:

Study of behavioral principles as they relate to exercise participants, the exercise environment and adherence to a physically active lifestyle. Emphasis on practical application of behavior modification strategies related to exercise adherence.

Credit Hours: 3 Prerequisite Courses:

EXS 320 with a "C" or better and EXSL 320 with a "C" or better.

Additional Restrictions/Requirements:

Restricted to Exercise Science (EXS) majors or permission of instructor.

University Studies: ["Approaches and Perspectives/Understanding Human Institutions and Behaviors"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

EXS 420 - Essentials of Strength Training and Conditioning II

Course Description:

This course is designed to provide an in-depth overview of the practical/applied principles of strength and conditioning. Emphasis is placed on applying knowledge of testing and evaluation, exercise techniques, organization and administration and

program design.
Credit Hours: 3 Corequisite Courses:
EXSL 420
Prerequisite Courses:
EXS 410 with a "C" or better.
Additional Restrictions/Requirements:
Restricted to Exercise Science (EXS) majors only or permission of instructor.
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

EXS 421 - Exercise Prescription II

Course Description:
Emphasis on the design of safe and appropriate individualized exercise programs for persons of all ages with acute and chronic health-related conditions. The topics include benefits and risks, screening, pre-exercise evaluations, fitness testing, and exercise prescription.
Credit Hours: 3 Prerequisite Courses:
EXS 411 with a "C" or better and EXSL 411 with a "C" or better.
Additional Restrictions/Requirements:
Restricted to Exercise Science (EXS) majors only or permission of instructor.
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

EXS 440 - Selected Topics Exercise Science

Course Description:
Selected topics in exercise science, including exercise prescription and program planning for pediatric, adolescent, adult, and elderly populations.
Credit Hours: 3 Prerequisite Courses:
EXS 320 and EXS 313
Additional Restrictions/Requirements:
Senior standing.
Course Repeatability: Course may not be repeated.

EXS 472 - Exercise for Cancer Rehabilitation and Survivorship

Course Description:
Physiological and psychological changes and side effects resulting from cancer and its treatment and the potential reversal of those side effects with the implementation of individualized, prescriptive exercise interventions.
Credit Hours: 3 Prerequisite Courses:
EXS 411
Additional Restrictions/Requirements:
Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated.

EXS 491 - Directed Individual Study

Course Description:

Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the

Depending on their interests and abilities, UNCW students may choose from several kinds of special courses and programs to individualize and otherwise enrich their studies.

- This course, designated as 491 in each department, involves investigation beyond what is offered in existing courses. To enroll in a Directed Individual Study, students must be a junior or senior. Additionally, students must have an overall grade point average of at least 2.00 and the approval of (1) the faculty member who will direct the study, (2) the departmental chairperson, and (3) the appropriate dean. Departmental criteria will include (1) the availability of the instructor (instructors may only supervise a limited number of independent studies each semester), (2) the appropriateness of and need for the proposed study in the student's program, (3) the availability of library and other research resources, and (4) the feasibility of completion of the proposed study in the allotted time. Students are limited to nine credit hours of Directed Individual Study toward graduation requirements.

- Several departments within the College of Humanities, Social Sciences, and the Arts and the professional schools offer field experience courses as part of their semester or summer programs. Participating students conduct individual or group research under faculty guidance at selected areas within and outside the continental United States. Apart from the greater Wilmington area, field experience courses have been conducted in such places as the Florida Keys, Barbados, the Bahamas, Portugal, and parts of Central and South America.

- Raymond L. Burt, *coordinator*

  The German Studies Consortium links participating UNC institutions to facilitate the sharing of teaching and learning resources to enhance German Studies across The University of North Carolina system. This consortium offers a broad array of German Studies courses in the language, literature, and culture of the German-speaking countries taught by specialists in the field. The primary focus is on the

sharing of upper-level German classes offered each semester on the North Carolina Information Superhighway. Participant universities include Appalachian State University, East Carolina University, North Carolina State University, the University of North Carolina at Asheville, the University of North Carolina at Charlotte, the University of North Carolina at Greensboro, University of North Carolina Wilmington, and Western Carolina University. For course details, visit the UNC Online Exchange.

- Regina Felix, *coordinator*
  The Portuguese Exhange links participating UNC institutions to facilitate the sharing of teaching and learning resources to enhance Portuguese language and Portugurese and Brazilian Studies across the University of North Carolina system. This exchange offers courses in the language, literature, and culture of the Portuguese-speaking countries taught by specialists in the field. Participant universities include Appalachian State University, North Carolina State University, the University of North Carolina Asheville, the University of North Carolina at Chapel Hill, the Unversity of North Carolina at Charlotte, the University of North Carolina Wilmington, and Winston Salem State University. For course details, visit the UNC Online Exchange.

- Dave Graber, *coordinator*
  The Russian Studies Consortium links participating UNC institutions to facilitate the sharing of teaching and learning resources to enhance Russian Studies across The University of North Carolina system. This consortium offers a broad array of Russian Studies courses in the language, literature, history, film, society, and culture in the Russian-speaking countries, which can be taught in the target language and/or in translation by specialists with credentials in Russian Studies. The primary goal focuses on the sharing of elementary, intermediate, and upper level Russian Studies classes offered each semester as well as summer session courses on the North Carolina Information Superhighway and/or fully online. Participant universities include Appalachian State University, East Carolina University, North Carolina State University, The University of North Carolina at Charlotte, The University of North Carolina at Greensboro, and The University of North Carolina Wilmington. Courses are offered through the UNC Online Exchange.

- Raymond L. Burt, UNCW *coordinator*
  The UNC Language Assembly is a cooperative of the language departments of all 17 campuses of the UNC System, and serves the UNC System and the State of North Carolina by supporting the foreign language programs at the constituent institutions and by seeking to offer a wide diversity of foreign language choices to the students at all the UNC campuses. Students are not required to pay tuition at the other campus, since UNCW tuition applies to these courses as well. Courses are taught online or through videoconference technology. Students can directly enroll in language classes offered by campuses through the UNC Online Exchange.

- https://uncw.edu/myuncw/academics/graduate-school/forms

Graduate Courses Taken for Undergraduate Credit

Graduate courses at UNCW or other accredited institutions may be used to fulfill undergraduate requirements if approved by the course instructor, student's department chair, undergraduate dean, and the dean of the Graduate School. All other transfer credit policies apply. Permission forms may be obtained on the Graduate School forms page under the "Undergraduate Registration for Graduate Courses" section at https://uncw.edu/myuncw/academics/graduate-school/forms.

Graduate Course Taken as an Undergraduate to Later Apply to a Graduate Degree

Undergraduate students who wish to take graduate courses and later receive

graduate credit for them must fill out a Docusign to obtain permission in advance from the course instructor, student's department chair and undergraduate dean, and the Graduate School for approval. Graduate courses taken under this provision may not be used to fulfill undergraduate degree requirements. Permission forms may be obtained on the Graduate School form page under the "Undergraduate Registration for Graduate Courses"
section https://uncw.edu/myuncw/academics/graduate-school/forms.

Credit for Approved Combined Degree Programs

Graduate courses used to fulfill an undergraduate degree requirement at UNCW may be applied to a graduate degree only when taken as part of an approved combined degree program. Courses applied toward an awarded degree may not be applied to a second degree except as described by specific degree programs.

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https://www.uncw.edu/global/
The Office of Global Partnerships and International Education is comprised of three units: Education Abroad, English Language Center, and the Office of International Students & Scholars.

Education Abroad

UNCW offers more than 800 education abroad opportunities in more than 50 countries. Options available include coursework taken abroad, international internships for academic credit, credit-bearing service-learning experiences, academic research, and virtual global learning opportunities. UNCW provides education abroad opportunities to suit nearly every major and credit earned through

international programs may be applied towards a UNCW degree. Financial aid may be used in conjunction with education abroad programs and scholarships are available. Students may select from short-term and summer programs, as well as semester, year-long and two-year dual degree options.

All applications for any credit-bearing program abroad must be made through the Office of Global Partnerships and International Education.

UNCW students who study abroad retain their active UNCW student status and will not have to re-enroll upon return.

Eligibility requirements include:

- 18 years of age at the time of participation
- Good disciplinary standing
- 2.5+ cumulative grade point average
- Sophomore+ status (select programs are open to first-year students)
- Any program-specific requirements
-

Several programs in the College of Humanities, Social Sciences, and the Arts, College of Science and Engineering, College of Education, College of Health and Human Services, and the Cameron School of Business offer students the opportunity to earn academic credit within a work environment external to the program. The purpose of the internship experience is to enhance, supplement, and integrate the learning that occurs in formal classroom settings. Permission of the dean and program offering the internship is required to enroll, and the program places limits on the number of credit hours earned applicable toward graduation. Internships designated by a 498 number will be graded on a Pass (P), Fail (F) basis. These credit hours earned will count towards the number of hours required to graduate, but the grade of Pass (P) will be excluded from the computation of the GPA. For further information on internships, refer to the courses numbered 498 in the course listings and then contact the departments offering them.

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The North Carolina Child Welfare Education Collaborative is a university-agency partnership that ensures a quality work force in child welfare settings. The educational goal of this program is to directly address the workforce need for social workers in child welfare settings. Administered by the Jordan Institute for Families, the collaborative includes North Carolina social work education programs, the NC Division of Social Services, the NC Association of County Directors of Social

Services and the NC Chapter of the National Association of Social Workers. Educating, training, and supporting current and future social workers in child welfare meets the goal of strengthening families and protecting children. The collaborative offers focused educational courses, training and field experience in child welfare agencies. Participating universities include Appalachian State University, University of North Carolina at Chapel Hill, East Carolina University, North Carolina State University, Joint Masters of Social Work Program at University of North Carolina at Greensboro and North Carolina Agricultural and Technical State University, and University of North Carolina Wilmington.

- The Reverse Transfer Program is a collaborative effort between North Carolina's Community Colleges and the University of North Carolina's 16 constituent institutions. Students who transfer to UNC Wilmington from one of the 58 North Carolina community colleges are given the opportunity to combine the credits earned at UNCW with credit already earned at the community college to determine if the associate degree requirements have been met. Students have the opportunity to opt-in to this program at the time of admission as a transfer student. There is no cost to participate. For more information, contact the Office of the Registrar. **Eligibility:** Students must have earned at least 16 college-level credit hours at one community college applicable towards their degree, to be eligible to participate. After earning a total of 60 combined credits, the student's UNCW records will be sent back to their previous community college for evaluation. The community college will contact students via their UNCW email, with further details, if the Associate degree is awarded.

- Several UNCW courses employ service-learning opportunities. Service learning is an innovative method of teaching and learning that combines thoughtfully organized service to the community with other means of instruction. Community service-projects are integrated into and enhance the academic curriculum of students, fitting naturally into the philosophy and pedagogy of a variety of disciplines and fostering civic responsibility. Both students and the community benefit from service learning. Service-learning courses have several strengths, not the least of which is that they are adaptable to the needs of the community while providing structured time for the students to reflect on the service experience.

section in the catalogue.

Credit Hours: 1 to 3 Additional Restrictions/Requirements:

Junior or senior standing, overall GPA of at least 2.7, and consent of instructor, director and dean.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

EXS 494 - Exercise Science Study Abroad II

Course Description:

This course provides Exercise Science advanced undergraduate study abroad opportunities.

Credit Hours: 1 to 6 Additional Restrictions/Requirements:

Instructor approval

University Studies: ["Approaches and Perspectives/Living in a Global Society"] Course Repeatability: Course may be repeated.

EXS 497 - Advanced Field Experience in Exercise Science

Course Description:

Minimum of 90 hours of supervised applied learning experience in an exercise science-related agency or organization to better understand the depth and breadth of career opportunities in the industry, and to apply academic coursework to meet personal and professional goals.

Credit Hours: 3 Prerequisite Courses:

EXS 411 with a "C" or better and EXSL 411 with a "C" or better.

Additional Restrictions/Requirements:

Restricted to Exercise Science (EXS) majors only or permission of instructor.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated.

EXS 499 - Honors Program in Exercise Science

Course Description:

Independent study for students within the honors program.

Credit Hours: 2 To 3 Additional Restrictions/Requirements:

Senior standing and eligibility for honors program.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

EXSL 216 - Human Anatomy and Physiology I Laboratory

Course Description:

EXSL 216 is the study of the anatomical and functional characteristics of the human

body including the skeletal, muscular, circulatory, and respiratory systems with emphasis on health and physical activity.

Credit Hours: 1 Prerequisite Courses:

Prerequisite or corequisite: EXS 216 .

Course Repeatability: Course may not be repeated.

EXSL 217 - Human Anatomy and Physiology II Laboratory

Course Description:

EXSL 217 provides the laboratory experience for EXS 217 via examining the anatomy and physiology of the nervous, endocrine, immune, digestive, urinary and reproductive systems including the special senses and metabolism.

Credit Hours: 1 Prerequisite Courses:

Prerequisite or corequisite: EXS 217 .

Course Repeatability: Course may not be repeated.

EXSL 320 - Exercise Physiology Laboratory

Course Description:

Laboratory is designed to relate theoretical knowledge attained wihtin EXS 320 into application. Students will experience the skill-related learning outcomes that parallel the American College of Sports Medicine (ACSM) Job Task Analysis (JTA).

Credit Hours: 1 Corequisite Courses:

EXS 320

Prerequisite Courses:

BIO 201 with a "C" or better, CHM 101 with a "C" or better, CHML 101 with a "C" or better, MAT requirement with a "C" or better (MAT 111 or MAT 112 or MAT 115 or MAT 151 or MAT 161 or MAT 160 with a "C" or better)

Additional Restrictions/Requirements:

Restricted to Preexercise Science (PEXS) or Exercise Science (EXS) majors only or permission of instructor at the time the course begins.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 1

EXSL 411 - Exercise Prescription I Laboratory

Course Description:

Concepts of health related physical fitness with emphasis on screening, fitness assessment and the design of an individualized exercise program for all ages within an apparently healthy population.

Credit Hours: 1 Corequisite Courses:

EXS 411

Additional Restrictions/Requirements:

Restricted to Exercise Science majors only or permission of instructor.

Course Repeatability: Course may not be repeated.

EXSL 420 - Essentials of Strength Training and Conditioning II Laboratory

Course Description:

Course is a comprehensive overview of the practical/applied principles of strength and conditioning. Emphasis is placed on developing skills in fitness testing, exercise technique, organization and administration, and program design. Two laboratory hours each week.

Credit Hours: 1 Corequisite Courses:

EXS 420

Additional Restrictions/Requirements:

Restricted to Exercise Science (EXS) majors only or permission of instructor.

Course Repeatability: Course may not be repeated.

FST 110 - Concepts in Film

Course Description:

Introduction to key concepts in film studies and film production. Designed for non-majors in film studies.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12 Repeat Limit: 3

FST 200 - Introduction to Film Study

Course Description:

Introduction to film study, including analysis of cinematography, editing, mise-en-scène, sound, and narrative. Films drawn from various national cinemas, representing diverse styles, periods, and genres. Intended for prospective majors in film studies.

Credit Hours: 4 University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives"] Course Repeatability: Course may not be repeated.

FST 201 - Introduction to Film Production

Course Description:

Study and application of cinematic concepts and techniques. Students complete a series of collaborative exercises exploring narrative, documentary, and experimental film forms.

Credit Hours: 4 Prerequisite Courses:

Prerequisite or corequisite: FST 200 .
Additional Restrictions/Requirements:
Restricted to PFST or FST majors.
University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated. Additional Fees Link:
Additional Course Fee Schedule
Major Restriction: Pre-Film Studies or Film Studies

FST 204 - The Business of Film

Course Description:
Introduction to business aspects of the motion picture industry, including the life cycle of a film product from development through distribution and marketing. Emphasis on decisions regarding creative development, financing, legal issues, budgeting, scheduling, marketing, and exhibition.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

FST 205 - Introduction to World Cinema

Course Description:
Survey of key tendencies in international cinema from the silent era to the present. Case studies include films from Europe, the Soviet Union, Asia, Africa, and the Americas, examined within their historical contexts.
Credit Hours: 3 Prerequisite Courses:
FST 200
Additional Restrictions/Requirements:
Restricted to FST majors.
University Studies: ["Living in a Global Society"] Course Repeatability: Course may not be repeated.

FST 210 - Moviemakers and Scholars Series

Course Description:
This course is designed to teach students a variety of perspectives on filmmaking and film studies. Combining presentations by local and visiting filmmakers with lectures and film screenings conducted by film scholars, the course introduces students to a wide variety of film styles, film scholarship, and professions in the industry.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives"] Course Repeatability: Course may not be repeated.

FST 220 - 3-D Computer Graphics Tools and Literacy

Course Description:
Project-based approach to learning fundamental principles of 3-D computer graphics

using high-level software tools. Modeling of objects, geometrical transformations, surface algorithms, lighting and shading, alternative rendering techniques, and providing background skills necessary to create animated movies.
Credit Hours: 3 Prerequisite Courses:
Prerequisite: CSC 112 or CSC 131 . Prerequisite or corequisite: ART 260 or ART 282 .
Additional Restrictions/Requirements:
Prerequisite course or consent of instructor.
Crosslisting:
ART 220 , CSC 220
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 3

FST 230 - Women in Film

Course Description:
Survey and analysis of films by women filmmakers throughout the world. Diverse film styles, periods, and genres will be represented. Screening and discussion of cinematic works in their original language with English subtitles when needed.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives"] Crosslisting:
WLC 230 , WGS 230
Course Repeatability: Course may not be repeated.

FST 301 - Film Tools and Techniques

Course Description:
Instruction in the techniques and technologies of digital filmmaking, including camera, lenses, lighting, grip, sound, and set protocol.
Credit Hours: 3 Prerequisite Courses:
FST 201
Additional Restrictions/Requirements:
Restricted to FST majors, or consent of instructor.
Course Repeatability: Course may not be repeated. Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

FST 302 - Intermediate Film Production

Course Description:
A comprehensive practicum in motion picture preproduction, production, and post-production, concentrating on documentary, narrative or experimental cinema. May be repeated under different subtitles.
Credit Hours: 3 Prerequisite Courses:

FST 201

Additional Restrictions/Requirements:

Restricted to FST majors or consent of instructor.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link: Additional Course Fee Schedule

FST 304 - Legal Issues in Film and Entertainment Law

Course Description:

Study of the legal issues impacting the film and entertainment industry, including the legal aspects of business organization, contracts, torts, agency, employment law, environmental regulation, and intellectual property rights.

Credit Hours: 3 Additional Restrictions/Requirements:

Junior or senior standing.

Crosslisting:

BLA 304

Course Repeatability: Course may not be repeated.

FST 317 - Writing about Film

Course Description:

Instruction and practice in the techniques of writing essays about film. Writing assignments might include reviews, features, scholarly articles or theoretical essays.

Credit Hours: 3 Prerequisite Courses:

Prerequisite or corequisite:FST 205 ; or prerequisite: ENG 204 ; or permission of instructor.

University Studies: ["Building Competencies/Writing Intensive"] Crosslisting:

ENG 317

Course Repeatability: Course may not be repeated.

FST 318 - Screenwriting I: Introduction to Screenwriting

Course Description:

Theory and practice of screenwriting with an emphasis on the fundamentals of narrative structure. Students write original scripts, including a short screenplay for possible use in FST 495 .

Credit Hours: 3 Prerequisite Courses:

Prerequisite or corequisite: FST 201 ; or CRW 207 or CRW 208 or CRW 209 .

Additional Restrictions/Requirements:

Restricted to FST majors, PCRW or CRW majors, or consent of instructor.

Crosslisting:

CRW 318

Course Repeatability: Course may not be repeated.

FST 320 - Computer Animation

Course Description:

Basic principles of animation using 3-D computer-generated animation and basic processes for animating synthetic objects through structured exercises. Principles of designing and producing 3-D computer-generated animation through the creation of advanced motion studies. Projects focus on developing higher-level skills in model building, animation and color, and lighting.

Credit Hours: 3 Prerequisite Courses: FST 220 Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Crosslisting:

ART 320 , CSC 320

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 3

FST 330 - Producing

Course Description:

Focuses on duties of a producer through a project "life cycle": development, financing, pre-production, production, post-production, marketing, and distribution. Emphasizes production management, budgeting, and scheduling. May be repeated under a different subtitle.

Credit Hours: 3 Prerequisite Courses:

FST 201

Additional Restrictions/Requirements:

Restricted to FST majors or consent of instructor.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:

Additional Course Fee Schedule

FST 331 - Introduction to Editing

Course Description:

An introduction to the techniques and aesthetics of non-linear motion picture editing.

Credit Hours: 3 Prerequisite Courses:

Prerequisite or corequisite: FST 201 , or permission of instructor.

Course Repeatability: Course may not be repeated. Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:

Additional Course Fee Schedule

FST 334 - 6x1: Variations on the One-Minute Film

Course Description:

Instruction and practice in alternative/experimental forms of filmmaking (16mm

hand-processing, stop motion animation, cameraless filmmaking, and collage) through the creation of six 1-minute projects.

Credit Hours: 3 Prerequisite Courses:

Prerequisite or corequisite: FST 201 , or permission of instructor.

Course Repeatability: Course may not be repeated. Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

FST 335 - Acting for the Camera

Course Description:

Explores acting techniques particular to the mediums of film and video.

Credit Hours: 3 Prerequisite Courses:

THR 231 or THR 332

Additional Restrictions/Requirements:

Prerequisite courses or consent of instructor.

Crosslisting:

THR 335

Course Repeatability: Course may not be repeated. Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

FST 340 - Film Music

Course Description:

Introduction to the history and critical interpretation of film music, with a focus on feature-length narrative films. Survey of film scoring styles and evolving sound technologies from the late nineteenth century to the present day.

Credit Hours: 3 Crosslisting:

MUS 340

Course Repeatability: Course may not be repeated.

FST 363 - Producing the Undergraduate Film Magazine

Course Description:

Writing-intensive seminar in which students serve as the editorial board of an internationally distributed undergraduate film magazine.

Credit Hours: 3 Prerequisite Courses:

Prerequisite or corequisite: FST 205 , or permission of instructor.

University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

FST 367 - Film Authors

Course Description:

Study of the films of a major producer, director, screenwriter, or other filmmaker, or group of filmmakers. May be repeated under different subtitles.
Credit Hours: 3 Prerequisite Courses:
Prerequisite or corequisite: FST 205 , or permission of instructor.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

FST 368 - Studies in Film Styles and Genres

Course Description:
Study of a film style or genre, such as film noir, the western, or the musical. May be repeated under different subtitles.
Credit Hours: 3 Prerequisite Courses:
Prerequisite or corequisite: FST 205 , or permission of instructor.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

FST 369 - Special Topics in Film Studies

Course Description:
Special topics in film, such as censorship in cinema, women in film, or film and social change. May be repeated under different subtitles.
Credit Hours: 3 Prerequisite Courses:
Prerequisite or corequisite: FST 205 , or permission of instructor.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

FST 370 - Early Cinema

Course Description:
Historical overview of pre-cinema and pre-sound cinema, situating early filmmaking in its technological, stylistic, and critical contexts.
Credit Hours: 3 Prerequisite Courses:
Prerequisite or corequisite: FST 205 , or permission of instructor.
University Studies: ["Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

FST 371 - History of Documentary Film

Course Description:
Historical overview of non-fiction filmmaking. Emphasizes critical approaches to documentary film practices and traditions.
Credit Hours: 3 Prerequisite Courses:
Prequisite or corequisite: FST 205 , or permission of instructor.
University Studies: ["Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

FST 372 - History of Avant-Garde Film

Course Description:

Historical overview emphasizing critical approaches to avant-garde film practices.

Credit Hours: 3 Prerequisite Courses:

Prerequisite or corequisite: FST 205 , or permission of instructor.

University Studies: ["Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

FST 373 - History of Animation

Course Description:

Historical overview of modes, traditions, and theories of animation.

Credit Hours: 3 Prerequisite Courses:

Prerequisite or corequisite: FST 205 , or permission of instructor.

University Studies: ["Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

FST 375 - Studies in Global Film History

Course Description:

Historical overview of an international cinema or a period in global cinema. Teaches approaches to film historiography. May be repeated under different subtitles.

Credit Hours: 3 Prerequisite Courses:

Prerequisite or corequisite: FST 205 , or permission of instructor.

University Studies: ["Building Competencies/Information Literacy"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

FST 376 - American Cinema 1927-1960

Course Description:

History and aesthetics of American cinema from the beginning of sound film until the break-up of the studio system, focusing on the height of the Hollywood studio era. Classical genres and styles, and prominent Hollywood filmmakers.

Credit Hours: 3 Prerequisite Courses:

Prerequisite or corequisite: FST 205 , or permission of instructor.

University Studies: ["Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

FST 377 - American Cinema Since 1961

Course Description:

History and aesthetics of American cinema since the end of the studio era, emphasizing the continuities and breaks with the "Classical Hollywood Cinema."

Credit Hours: 3 Prerequisite Courses:

Prerequisite or corequisite: FST 205 , or consent of instructor.

University Studies: ["Building Competencies/Information Literacy"] Course Repeatability: Course

may not be repeated.

FST 378 - History of New Wave Cinemas

Course Description:

Historical overview of New Wave Cinemas, a transnational response to classical filmmaking. Emphasizes critical approaches to New Wave film practices.

Credit Hours: 3 Prerequisite Courses:

Prerequisite or corequisite: FST 205 , or consent of instructor.

University Studies: ["Approaches and Perspectives/Living in a Global Society", "Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

FST 379 - Studies in Film History

Course Description:

Historical overview of a major period in film. Approaches to film historiography. May be repeated under different subtitles.

Credit Hours: 3 Prerequisite Courses:

Prerequisite or corequisite: FST 205 , or permission of instructor.

University Studies: ["Building Competencies/Information Literacy"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

FST 380 - Introduction to Bollywood Cinema

Course Description:

Survey of India's Bollywood cinema from the silent period to the present. Emphasizes historical and critical approaches to Bollywood cinema, as well as studies of censorship, cinephilia, and popular visual culture.

Credit Hours: 3 Prerequisite Courses:

Prerequisite or corequisite: FST 205 , or permission of instructor.

Course Repeatability: Course may not be repeated.

FST 381 - History of Russian and Soviet Cinema

Course Description:

Survey of Russian and Soviet cinema from the 1900s to the present, focusing on Sergei Eisenstein, Dziga Vertov, Andrei Tarkovsky, and other directors, as well as the cultural, political, and economic forces that influenced their films.

Credit Hours: 3 Prerequisite Courses:

Prerequisite or corequisite: FST 205 , or permission of instructor.

University Studies: ["Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

FST 382 - Contemporary Latin American Cinema

Course Description:

Critical examination of the production and distribution of contemporary Latin American film, with an emphasis on film style, genre, economics, and globalization.
Credit Hours: 3 Prerequisite Courses:

Prerequisite or corequisite: FST 205 , or permission of instructor.
University Studies: ["Approaches and Perspectives/Living in a Global Society"] Course Repeatability: Course may not be repeated.

FST 383 - Introduction to Latin American Cinema

Course Description:

Survey of the history and aesthetics of Latin American film, from the "Golden Age" of Mexican cinema to the development of the New Latin American Cinema of the 1960s, up to more recent work of the contemporary renaissance.
Credit Hours: 3 Prerequisite Courses:

Prerequisite or corequisite: FST 205 , or permission of instructor.
University Studies: ["Approaches and Perspectives/Living in a Global Society"] Course Repeatability: Course may not be repeated.

FST 384 - Contemporary French Cinema

Course Description:

Recent tendencies in French cinema, including new filmmakers, movements, genres, critical approaches, theories, formats, and filmmaking styles.
Credit Hours: 3 Prerequisite Courses:

Prerequisite or corequisite: FST 205 , or permission of instructor.
Course Repeatability: Course may not be repeated.

FST 385 - Japanese Cinema

Course Description:

Japanese cinema from the classical period to the present day. Emphasizes critical and historical approaches to Japanese cinema, as well as studies of key filmmakers, including Kurosawa, Mizoguchi, Ozu, Suzuki, and Kitano.
Credit Hours: 3 Prerequisite Courses:

Prerequisite or corequisite: FST 205 , or permission of instructor.
Course Repeatability: Course may not be repeated.

FST 386 - Introduction to German Cinema

Course Description:

Analysis of films from the "Golden Age" of the Weimar Republic, the Third Reich, the New Wave, East German films, and current German and Austrian cinema. Works by Lang, Riefenstahl, Wenders, Reitz, Fassbinder, von Trotta, and recent films.
Credit Hours: 3 Additional Restrictions/Requirements:

Restricted to FST majors or consent of instructor.
Crosslisting:
GER 385 [Inactive]
Course Repeatability: Course may not be repeated.

FST 387 - Introduction to French Cinema

Course Description:
Analysis of selected films from the silent era to the present, including the classical period, the New Wave, Francophone cinema, and recent French cinema, situated in their historical contexts.
Credit Hours: 3 Prerequisite Courses:
Prerequisite or corequisite: FST 205 , or permission of instructor.
Course Repeatability: Course may not be repeated.

FST 388 - Introduction to Spanish Cinema

Course Description:
Analysis of representative films by Spanish directors including Luis Buel, Carlos Saura, Pedro Almodar and Bigas Luna, as well as a discussion of recent cinematic works by filmmakers of the younger generation. Films represent a diversity of styles, periods, and genres.
Credit Hours: 3 Additional Restrictions/Requirements:
Restricted to FST majors or consent of instructor.
Crosslisting:
SPN 385
Course Repeatability: Course may not be repeated.

FST 389 - Studies in World Cinema

Course Description:
Study of a selected topic in world cinema. May be repeated under different subtitles.
Credit Hours: 3 Prerequisite Courses:
Prerequisite or corequisite: FST 205 , or permission of instructor.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

FST 393 - Sound Recording

Course Description:
Instruction in the techniques, aesthetics, and equipment for recording sound for motion pictures.
Credit Hours: 3 Prerequisite Courses:
FST 201
Additional Restrictions/Requirements:

Restricted to FST majors or consent of instructor.

Course Repeatability: Course may not be repeated. Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

FST 394 - Sound Design

Course Description:

Instruction in creating motion picture soundtracks and in techniques and aesthetics of sound editing and mixing.

Credit Hours: 3 Prerequisite Courses:

FST 201

Additional Restrictions/Requirements:

Restricted to FST majors or consent of instructor.

Course Repeatability: Course may not be repeated.

FST 396 - Studio Seminar in Film Production

Course Description:

Introduction to the process of studio film production, from development to distribution. Topics include locations, production design, casting, cinematography, make-up, costume design, film sound and scoring, editing, and post-production. Lecture and discussion, guest speakers, and on-site observation at Screen Gems Studios and other filmmaking sites in Wilmington.

Credit Hours: 3 Additional Restrictions/Requirements:

Restricted to FST majors or consent of instructor.

Course Repeatability: Course may not be repeated. Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

FST 398 - Practicum in Film Production

Course Description:

Selected topics in film production. May be repeated under different subtitles.

Credit Hours: 1 To 3 Prerequisite Courses:

FST 201

Additional Restrictions/Requirements:

Restricted to FST major or consent of instructor.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

FST 399 - Film Directing

Course Description:

In-class exercises focusing on scene dynamics, communicating with actors, blocking, and capturing action and performance with the camera.

Credit Hours: 3 Prerequisite Courses:

FST 201

Additional Restrictions/Requirements:

Restricted to FST majors or consent of instructor.

Course Repeatability: Course may not be repeated. Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:

Additional Course Fee Schedule

FST 401 - Advanced Practicum in Cinematography

Course Description:

Selected topics in advanced cinematography. May be repeated under different subtitles.

Credit Hours: 3 Prerequisite Courses:

FST 301

Crosslisting:

FST 501

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 9

FST 415 - Topics in Environmental Film Production

Course Description:

Instruction in production practices as they apply to themes of the environment and ecology. May be repeated under different subheadings.

Credit Hours: 3 Prerequisite Courses:

FST 301 or FST 302 .

Additional Restrictions/Requirements:

Permission of instructor

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 9 Repeat Limit: 2

FST 416 - Advanced Practicum in Film Production

Course Description:

Selected topics in advanced film production. May be repeated under different subtitles.

Credit Hours: 3 Prerequisite Courses: FST 301 or FST 302 Crosslisting:

FST 516

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

FST 418 - Screenwriting II: Writing the Feature Film

Course Description:

The craft of screenwriting applied to the feature form.

Credit Hours: 3 Prerequisite Courses:

FST 318

Additional Restrictions/Requirements:

Restricted to CRW or FST majors or consent of instructor.

Crosslisting:

CRW 418 , FST 518

Course Repeatability: Course may not be repeated.

FST 419 - Screenwriting III: Film Adaptation

Course Description:

Writing, revision, and completion of screen adaptation of literary work.

Credit Hours: 3 Prerequisite Courses:

FST 318

Additional Restrictions/Requirements:

Restricted to CRW or FST majors or consent of instructor.

Crosslisting:

CRW 419 , FST 519

Course Repeatability: Course may not be repeated.

FST 430 - Digital Visual Effects

Course Description:

Exploration of digital image and video representation and manipulation for motion-picture visual effects. Includes image storage and compression, film and video formats, compositing, filtering, scripting for graphics and visual effects, photorealistic lighting and rendering, virtual cinematography, camera tracking, and particle effects.

Credit Hours: 3 Prerequisite Courses:

CSC 320 , or ART 320 , or FST 320 .

Crosslisting:

CSC 430 , FST 522 .

Course Repeatability: Course may not be repeated. Additional Fees Link:
Additional Course Fee Schedule

FST 432 - Expanded Cinema

Course Description:

Modes of media production in expanded cinema. Topics may include video installation, video mapping, building interactive media environments, creating experimental animations, and live cinema. May be repeated under different subheadings.

Credit Hours: 3 Prerequisite Courses:

FST 201

Additional Restrictions/Requirements:

Junior or Senior standing, permission of instructor

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 9 Repeat Limit: 2

FST 433 - Modes of Animation Production

Course Description:

Applied instruction in selected animation forms and techniques. Topics might include motion graphics, gif animation and character animation. May be repeated under different subtitles.

Credit Hours: 3 Prerequisite Courses:

FST 201 .

Additional Restrictions/Requirements:

Junior or Senior standing, permission of instructor

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 9 Repeat Limit: 2

FST 440 - Film Theory

Course Description:

A study of major schools of film theory, such as genre theory, historical criticism, reception theory, auteur theory, formalism, cognitivist film theory, and structuralist and post-structuralist film theories.

Credit Hours: 3 Prerequisite Courses:

FST 205

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

University Studies: ["Building Competencies/Writing Intensive"] Crosslisting:

FST 540

Course Repeatability: Course may not be repeated.

FST 445 - Film Rhetoric

Course Description:

Rhetorical issues related to cinema, emphasizing the ways in which cinema creates meaning visually and stylistically. Rhetorical and cinematic criticism will be stressed.

Credit Hours: 3 Prerequisite Courses:

FST 205

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

FST 451 - Film Festival and Conference Management

Course Description:

Plan, market, and manage a film festival and conference.
Credit Hours: 3 Prerequisite Courses:
Prerequisite or corequisite:FST 201 and FST 205 , and permission of department chair.
Course Repeatability: Course may not be repeated. Repeat Limit: 1

FST 452 - Film Festival and Conference Programming

Course Description:
Plan, program, market, and manage a film festival and film studies conference. Learn to jury and curate film submissions.
Credit Hours: 6 Prerequisite Courses:
Prerequisite: FST 451 and permission of department chair.
Course Repeatability: Course may not be repeated.

FST 475 - Advanced Studies in Global Film History

Course Description:
Advanced study of an international cinema or a period in global cinema. Teaches approaches to film historiography. May be repeated under different subtitles.
Credit Hours: 3 Prerequisite Courses: FST 205 Additional Restrictions/Requirements:
Prerequisite course or consent of instructor.
University Studies: ["Building Competencies/Information Literacy"] Crosslisting:
FST 579 , FST 589
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

FST 479 - Advanced Studies in Film History

Course Description:
Advanced study of a major period in film. Teaches approaches to film historiography. May be repeated under different subtitles.
Credit Hours: 3 Prerequisite Courses: FST 205 Additional Restrictions/Requirements:
Prerequisite course or consent of instructor.
University Studies: ["Building Competencies/Information Literacy"] Crosslisting:
FST 579
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

FST 480 - Special Topics in World Cinema

Course Description:
Advanced study of a selected topic in world cinema. May be repeated under a different subtitle.
Credit Hours: 3 Prerequisite Courses:
FST 205

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

University Studies: ["Building Competencies/Writing Intensive"] Crosslisting:

FST 589

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

FST 491 - Directed Individual Study

Course Description:

Investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Study section in this catalogue.

Credit Hours: 1 To 3 Additional Restrictions/Requirements:

Junior or senior standing; nine hours of film studies courses, at least six of which are at the 300-400 level; overall GPA of at least 2.50; and consent of instructor, department chair and dean.

University Studies: ["Explorations Beyond the Classroom/Certified Internship Program"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

FST 493 - Directed Seminar in Production

Course Description:

Students work under the direction of a faculty filmmaker to create a motion picture.

Credit Hours: 3 Prerequisite Courses: FST 301 or FST 302 Additional Restrictions/Requirements:

Prerequisite course and 3 additional hours of production at the 300 level or above, and consent of the chair of Film Studies.

Crosslisting:

FST 517

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Repeat Limit: 1

Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link: Additional Course Fee Schedule

FST 495 - Senior Seminar in Film Production

Course Description:

Collaborative production of a short experimental, documentary, narrative, or animated motion picture. May be repeated under different subtitles.

Credit Hours: 3 Prerequisite Courses:

FST 301 or FST 302

Additional Restrictions/Requirements:

Prerequisite course and consent of the chair of Film Studies.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:

Additional Course Fee Schedule

FST 496 - Senior Seminar in Film Study

Course Description:

Intensive study of a major topic in film studies. Emphasis on individualized work, which may include reports, a longer research project, or a research essay. May be repeated under different subtitles.

Credit Hours: 3 Prerequisite Courses:

FST 205

Additional Restrictions/Requirements:

Prerequisite course, junior or senior standing, or consent of instructor.

University Studies: ["Building Competencies/Writing Intensive", "Common Requirements/Critical Reasoning"] Crosslisting:

FST 569

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

FST 497 - Applied Post Production

Course Description:

Hands-on application of editing theory and post-production techniques, practices, and technology. Students create a finished film using raw footage from previousFST 495 projects; exceptions upon approval.

Credit Hours: 3 Prerequisite Courses:

FST 331

Additional Restrictions/Requirements:

Prerequisite course and consent of the chair of Film Studies.

Course Repeatability: Course may not be repeated. Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:

Additional Course Fee Schedule

FST 498 - Internship in Film Studies

Course Description:

Study and practical work experience related to film studies, supervised and evaluated by faculty. May be repeated with permission of the chair of Film Studies.

Credit Hours: 3 Additional Restrictions/Requirements:

Junior or senior standing, consent of chair of Film Studies, an overall 3.00 minimum GPA, and a minimum of 12 hours in film studies (FST courses).

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:

Additional Course Fee Schedule

FST 499 - Honors Work in Film Studies

Course Description:

Independent study for honors students.

Credit Hours: 2 To 3 Additional Restrictions/Requirements:

Junior or senior standing, eligibility for honors program and 9 hours of film studies courses, at least 6 hours at the 300-400 level.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

FIN 235 - Personal Finance

Course Description:

Study of individual and family financial decisions. Designed to prepare the student to exercise intelligent control over income, expenditures, borrowing, savings and investments. Recommended elective for non-business majors. Course is open to all majors.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Understanding Human Institutions and Behaviors"] Course Repeatability: Course may not be repeated.

FIN 295 - Special Topics in Finance

Course Description:

Seminar in selected topics in finance. This course does not fulfill requirements towards any major or concentration in the Cameron School of Business.

Credit Hours: 1 To 3 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

FIN 324 - Financial Markets and Institutions

Course Description:

An introduction to the financial and economic environment within which a firm must operate. Analysis of the sources and the cost and availability of funds in a domestic and international setting; analysis of international monetary flows; financial decision making in an integrated world economy.

Credit Hours: 3 Prerequisite Courses:

ECN 222

Crosslisting:

ECN 324

Course Repeatability: Course may not be repeated.

FIN 330 - Principles of Investments

Course Description:

An introduction to alternative investments, with major emphasis on financial

instruments. Practical descriptive material and relevant theoretical applications. Topics include stocks, bonds, and other financial alternatives.
Credit Hours: 3 Prerequisite Courses:
ACG 201 and ECN 222 and FIN 335
University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

FIN 331 - Real Estate

Course Description:
Principles of property management and practices relating to appraisal, sales, ownership, control, financing, and transfer of real property.
Credit Hours: 3 Prerequisite Courses:
ACG 201 and ECN 222
Additional Restrictions/Requirements:
Prerequisite courses and admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.

FIN 332 - Risk Management and Insurance

Course Description:
An introduction to the risk management function and to the basic methods used to handle risks facing the business enterprise, families and individuals. Emphasis is on the insurance method of handling risk with study of the concepts underlying insurance, the fundamentals of insurance contracts, and a broad selection of policy coverage in the property and liability, and life and health fields.
Credit Hours: 3 Prerequisite Courses: ACG 201 and ECN 222 Additional Restrictions/Requirements:
Prerequisite courses and admission to Cameron School of Business.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 3

FIN 335 - Principles of Financial Management

Course Description:
An introduction to the finance function of business enterprise and to the analytical techniques used in making investment and financing decisions.
Credit Hours: 3 Prerequisite Courses:
Prerequisite ACG 201 , ECN 222 and (BAN 280 or STT 215); or prerequisite STT 315 and corequisite MAT 381 .
Course Repeatability: Course may not be repeated.

FIN 336 - Intermediate Corporate Finance

Course Description:

The study of the theory and practice of corporate finance with special emphasis on the evaluation and financing of capital expenditures. Topics include cash flow determination, firm valuation, the Capital Asset Pricing Model, and an introduction to option pricing.

Credit Hours: 3 Prerequisite Courses:

FIN 335

Additional Restrictions/Requirements:

Prerequisite course and admission to Cameron School of Business.

Course Repeatability: Course may not be repeated.

FIN 430 - Investment Management

Course Description:

An analytical approach to the valuation of stocks, bonds and options and the placement of those securities in Markowitz-efficient portfolios. Technical and fundamental analysis, market efficiency and valuation methods are examined. Both application and theory are emphasized.

Credit Hours: 3 Prerequisite Courses:

FIN 330 and FIN 335

Additional Restrictions/Requirements:

Prerequisite courses and admission to Cameron School of Business.

Course Repeatability: Course may not be repeated.

FIN 431 - Real Estate Investment Analysis

Course Description:

The decision-making process in real estate investment analysis including risk and return, financing alternatives, tax implications, and pricing and development alternatives.

Credit Hours: 3 Prerequisite Courses:

FIN 335 .

Additional Restrictions/Requirements:

Prerequisite course and admission to Cameron School of Business.

Course Repeatability: Course may not be repeated.

FIN 433 - Financial Derivatives and Risk Management

Course Description:

Valuation of financial derivatives, including forwards, futures, options, and swaps. Application of the Black-Scholes-Merton model, the binomial option pricing model, and the cost of carry model. Use of financial derivatives for hedging, speculation, and arbirtrage and risk management.

Credit Hours: 3 Prerequisite Courses:

FIN 335

Additional Restrictions/Requirements:

Prerequisite course or consent of the department chair and admission to Cameron School of Business.

Crosslisting:

ECN 433

Course Repeatability: Course may not be repeated.

FIN 434 - Fixed Income Securities and Derivatives

Course Description:

This course investigates fixed income securities (i.e. bonds) and their derivatives. The course will describe the major players in fixed income markets, the key institutions, broad empirical regularities and analytical tools that are used for pricing and risk management. Some parts of this course are analytical while others are institutional.

Credit Hours: 3 Prerequisite Courses:

FIN 330

Additional Restrictions/Requirements:

Prerequisite course and admission to Cameron School of Business.

Course Repeatability: Course may not be repeated.

FIN 436 - Advanced Financial Management

Course Description:

Financial analysis and decision making in the modern business organization. Theoretical foundations of financial decision-making are emphasized, including both working capital and fixed capital requirements.

Credit Hours: 3 Prerequisite Courses:

FIN 330 and FIN 336

Additional Restrictions/Requirements:

Prerequisite courses and admission to Cameron School of Business.

Course Repeatability: Course may not be repeated.

FIN 437 - Commercial Bank Management

Course Description:

A study of commercial bank operations and the regulatory environment of banking. Topics will include the evolution of regulation in the United States, industry structure, analysis of bank financial statements, asset/liability management, and capital requirements.

Credit Hours: 3 Prerequisite Courses:

ECN 324 and FIN 335

Additional Restrictions/Requirements:

Prerequisite courses and admission to Cameron School of Business.

Course Repeatability: Course may not be repeated.

FIN 438 - Financial Statement Analysis

Course Description:

This course focuses on the analysis of financial statments. Topics covered include credit analysis, profitability analysis, revenue recognition, asset recognition, liability recognition, and equity recognition. Specific attention is given to where managers have flexibility in accounting standards and how this might impact the analysis of the firm. Students are required to synthesize material from lecture to the analysis of real companies.

Credit Hours: 3 Prerequisite Courses:

FIN 335

Additional Restrictions/Requirements:

Prerequisite course and admission to Cameron School of Business.

Course Repeatability: Course may not be repeated.

FIN 439 - Multinational Financial Management

Course Description:

An examination of the issues affecting the financial managers of multinational corporations. Topics include managing foreign exchange risk, international financial decisions, and factors affecting foreign direct investment.

Credit Hours: 3 Prerequisite Courses:

FIN 335 and INB 300

Additional Restrictions/Requirements:

Prerequisite courses and admission to Cameron School of Business.

Crosslisting:

INB 439

Course Repeatability: Course may not be repeated.

FIN 440 - Portfolio Design and Management

Course Description:

Students develop skills to analyze individual securities and then focus on investment portfolio design. These skills will ultimately be applied to UNCW's real-dollar student-managed investment fund.

Credit Hours: 3 Prerequisite Courses:

FIN 330 and FIN 336

Additional Restrictions/Requirements:

BS Business Administration, and admission to the Cameron School of Business, and a B- or better in FIN 330 and FIN 336.

Course Repeatability: Course may not be repeated. Major Restriction: BS Business Administration

FIN 441 - Financial Analytics

Course Description:

Adoption of big data techniques in large US business soared from 17% in 2015 to 59% in 2018, according to a recent article in the Forbes magazine. Building on this motivation, this course will be designed to introduce statistical and machine learning methods developed in the recent literature and discuss their applications in financial markets as well as industries such as banking and insurance. We start from basic regression analysis and build on to discuss advanced methods such as decision tree and neural networks. Throughout the course, the emphasis will be on practical uses rather than statistical details; however, a fair amount of background information on the fundamentals of the methods used will still be provided.

Credit Hours: 3 Prerequisite Courses:

FIN 335 .

Additional Restrictions/Requirements:

Prerequisite course and admission to Cameron School of Business.

Course Repeatability: Course may not be repeated. Additional Course Fees: ["None"]

FIN 442 - Introduction to FinTech

Course Description:

This course advances the students' knowledge by exploring the ways in which new technologies are disrupting the financial services industry—driving material change in business models, products, applications and customer user interfaces and the resultant disintermediation. Amongst the significant technological trends affecting financial services into the 2020's, the class will explore AI, smart contracts, blockchain technology, and big data. We will then turn to four sectors of specific opportunities: payments, credit, trading and risk management. We will explore the competitive and strategic landscape amongst FinTech start-ups, incumbents from big finance and big tech in the U.S., China, India, and Europe. Students will learn about technological advances in data and analytics that are enabling these innovations.

Credit Hours: 3 Prerequisite Courses:

FIN 335 .

Additional Restrictions/Requirements:

Prerequisites and admission to Cameron School of Business

Course Repeatability: Course may not be repeated.

FIN 443 - Blockchain in Finance

Course Description:

The purpose of this course is to provide a sound working knowledge of cryptocurrency, blockchain and their derivatives. This course is designed for students wishing to explore blockchain technology's potential use—by entrepreneurs, investors and commercial concerns adapting to a changing world of money and finance.

Starting with the basics of Bitcoin, students will gain an understanding of the fundamentals of blockchain technology, distributed ledgers and smart ledgers. The class will examine current and potential blockchain applications in the financial, commercial and even military sectors. This will include reviews of potential use cases for payment systems, central banking, venture capital, secondary market trading, trade finance, commercial banking, post trade possessing and digital ID as well as applications in data management.

This course will examine not only the markets but also the regulatory landscape for cryptocurrencies, initial coin offerings, other tokens and crypto derivatives. By examining competing influences and the analytical tools that are used for tracking, pricing and risk management.

Some parts of the course will be fairly technical while others will be largely conceptual. Each session will be organized around one or two key topics. In addition, class notes, current articles and handouts will be used to supplement and clarify issues.

Credit Hours: 3 Prerequisite Courses:

FIN 335 .

Additional Restrictions/Requirements:

Prerequisites and admission to Cameron School of Business.

Course Repeatability: Course may not be repeated.

FIN 445 - Healthcare Finance

Course Description:

This course is a covers numerous topics in the area of Healthcare Finance. You will learn to apply tools of Financial Management to the management of Healthcare entities. Ask anyone who works in the field of Healthcare why you need to have a special course in the topic, and they will unanimously say "because healthcare is

different." To this end, we will cover topics such as the evolution the healthcare payment system in the United States (with some comparison to other countries). We will cover Revenue models and the Revenue cycle, as well as cost models. We will discuss how to measure community benefit, and we will do a deep dive into financial statements of hospitals and look at topics such as working capital management and cash management (critical issues in healthcare, but applicable to any firm). My goal is that you will leave the course with a better understanding of how healthcare is paid for in the US and the financial skills you will need to step into any healthcare entity and be able to make sound decisions regarding the financial aspects of the firm.

Credit Hours: 3 Prerequisite Courses:

FIN 335 .

Additional Restrictions/Requirements:

Prerequisites and admission to Cameron School of Business.

Course Repeatability: Course may not be repeated.

FIN 459 - International Consultancy

Course Description: This course is a consulting engagement with an international client. In this course, you will use and apply your business skills to a problem that the client firm is facing in an international setting. The course focuses on development of skills needed in the consulting profession such as client-facing skills, teamwork, presentation skills, etc. Credit Hours: 3 Prerequisite Courses: FIN 335 and MKT 340 Additional Restrictions/Requirements: BS Business Administration and Admission to Cameron School of Business Course Repeatability: Course may not be repeated. Major Restriction: BS Business Administration

FIN 491 - Directed Individual Study

Course Description:

Please enter a description.

Credit Hours: 1 To 6 Additional Restrictions/Requirements:

Junior or senior standing, consent of department chairperson and admission to Cameron School of Business.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

FIN 495 - Seminar in Finance

Course Description:

This course may be repeated under a different subtitle.

Credit Hours: 1 To 3 Additional Restrictions/Requirements:

Junior or senior standing, consent of the department chairperson and admission to Cameron School of Business.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

FIN 498 - Internship in Finance

Course Description:

This class involves the application of financial concepts in a "real world" setting. The participant receives hands-on experience under the joint guidance of a manager from a business or not-for-profit organization and a faculty supervisor.

Credit Hours: 1 To 6 Additional Restrictions/Requirements:

Junior or senior standing, consent of department chairperson, and admission to Cameron School of Business.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

FIN 499 - Honors Work in Finance

Course Description:

Independent work for honors students.

Credit Hours: 2 To 3 Additional Restrictions/Requirements:

Senior standing and admission to Cameron School of Business.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

FNA 101 - Cultures of the World Through Music and Dance

Course Description:

Examination of a variety of musical styles and dance forms from around the world, with attention to cultural issues and practices. Includes participation in dance and musical experiences.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives", "Approaches and Perspectives/Living in a Global Society"] Course Repeatability: Course may not be repeated.

FNA 102 - Explorations in the Creative Process

Course Description:

Explorations of the creative process informed by a variety of allied arts including, but not limited to: creative writing, music, painting, sculpture, theater, dance and film. Includes lectures, readings, and creative exercises.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives"] Course Repeatability: Course may not be repeated.

FNA 103 - Pop Divas and the Art of Performance

Course Description:

Interdisciplinary exploration of star singers in American popular culture, from Jenny Lind to Taylor Swift, Beyoncé, and beyond. Focus on the evolution of theatrical components in stage performances, musical and lyrical analysis, fan and media reception, and the metaphorical "performance" of the celebrity self. Selected topics may vary by semester.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives", "Approaches and Perspectives/Living in Our Diverse Nation"] Course Repeatability: Course may not be repeated.

UNI 101 - First-Year Seminar

Course Description:

Seminar course designed to support first-year students in optimizing their UNCW experience. With instructor as mentor, approaches to critical thinking are emphasized as students explore the goals of liberal arts learning, academic ethics and strategies, UNCW's common reading, information literacy, self-management, and effective group collaboration.
Credit Hours: 3 Additional Restrictions/Requirements:

Must be taken in the first semester of full-time attendance at UNCW.
University Studies: ["Foundations/First Year Seminar", "Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

UNI 102 - First Yr Seminar-Dept. Partnership

Course Description:

This is a variable credit course 1-3 credits, depending on the need of the department and will either stand alone as a UNI 102 (3 credit course) fulfilling the First Year Seminar requirement or be linked to an Introductory course for the curriculum of the department. This course is designed to ensure that University Studies First Year Seminar requirements are met in connection with partner courses in specific disciplines.
Credit Hours: 1 To 3 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

UNI 110 - Leadership and Service Seminar

Course Description:

Applied learning experience related to leadership and active citizenship concepts. Identification of community needs and implementation of effective action that promotes positive social change. Emphasis on critical analysis of the needs of the individual and the community, local and global.
Credit Hours: 1 Prerequisite Courses: UNI 101 Additional Restrictions/Requirements:

Prerequisite course and enrollment in the ExCEL Learning Community.
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 1

UNI 120 - Civic Engagement for Pre-Health Students

Course Description:

Prerequisite: Restricted to pre-health students registered with University College pre-professional programs. Civic engagement opportunities and leadership concepts for pre-health students. Applied learning experiences related to civic engagement to include identification of community health care issues and implementation of civic engagement, volunteering, reflection, building leadership skills, and educating others while working towards a successful graduate school application process.
Credit Hours: 2 Additional Restrictions/Requirements:

Sophomore, junior or senior standing and departmental approval required.
University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 2

UNI 201 - Transfer Seminar

Course Description:

Open to transfer students during the first semester of full-time enrollment at UNCW. Seminar course designed to support transfer students in transitioning to campus and optimizing their UNCW learning experience. Critical thinking, information literacy skills, discussion, and group collaboration are emphasized as students focus on issues often important to transfer student success and college success in general.
Credit Hours: 3 University Studies: ["Building Competencies/Information Literacy", "Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

FSC 211 - Fundamentals of Forensic Science

Course Description:

Survey of theories, methods, techniques and applications of various forensic science disciplines. Topics include but are not limited to: crime scene and death investigation; body identification; forensic biology and chemistry; pattern, trace, and imprint evidence analysis; and forensic behavioral science.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Understanding Human Institutions and Behaviors"] Course Repeatability: Course may not be repeated.

FSC 212 - Forensic Science Methods

Course Description:

Introduction to laboratory methods and analysis in the forensic sciences. Topics include: processing evidence and crime scenes, fingerprinting, DNA, blood spatter,

fiber and hair analysis, impression evidence, fractography and glass, autopsy, time since death estimation, body identification, questioned documents, arson, toxicology, and firearm analysis.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Scientific Approaches to the Natural World", "Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated.

FSC 213 - Forensic Skeletal Identification

Course Description:

Skeletal elements are a common form of evidentiary material having medicolegal significance within the forensic sciences. This course provides detailed instruction on the major bones and features of the human skeleton, including dentition. It covers methods and techniques of analysis to identify bones and bone fragments. Applied learning exercises foster discernment skills in recognizing human skeletal material apart from intact and fragmentary nonhuman bones and teeth.
Credit Hours: 3 University Studies: ["Critical Reasoning"] Course Repeatability: Course may not be repeated.

FRH 101 - Introductory French I

Course Description:

Emphasis on achievement of an active command of the language. Aural-oral practice; intensive study of the basic patterns of spoken French; reading, writing, and basic conversation. For students with one unit or less of high school French.
Credit Hours: 3 University Studies: ["Foundations/Foreign Language"] Course Repeatability: Course may not be repeated.

FRH 102 - Introductory French II

Course Description:

Continued emphasis on achievement of an active command of the language. Aural-oral practice; intensive study of the basic patterns of spoken French; reading, writing, and basic conversation.
Credit Hours: 3 Prerequisite Courses:

FRH 101

University Studies: ["Foundations/Foreign Language"] Course Repeatability: Course may not be repeated.

FRH 120 - Fundamentals of French

Course Description:

Review of the fundamental structure of the language. Aural-oral practice to attain basic active reading, writing, speaking, and listening skills. For students with at least

2 high school units of French.
Credit Hours: 3 Additional Restrictions/Requirements:
Appropriate departmental placement test score.
University Studies: ["Foundations/Foreign Language"] Course Repeatability: Course may not be repeated.

FRH 201 - Intermediate French I

Course Description:
A review of the grammatical structure of French. Application of the language in composition, conversation, and readings.
Credit Hours: 3 Prerequisite Courses:
FRH 102 or FRH 120
Additional Restrictions/Requirements:
Prerequisite course or placement by exam.
University Studies: ["Foundations/Foreign Language"] Course Repeatability: Course may not be repeated.

FRH 202 - Intermediate French II

Course Description:
A continuing review of the grammatical structure of French at the intermediate level. Application of the language in composition, conversation and readings.
Credit Hours: 3 Prerequisite Courses:
FRH 201
University Studies: ["Foundations/Foreign Language"] Course Repeatability: Course may not be repeated.

FRH 209 - French Literature in Translation: Topics

Course Description:
Representative works from the literature of France and the French-speaking world. Readings and class discussions in English. May be repeated under a different subtitle.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

FRH 294 - French Study Abroad I

Course Description:
Lower division level of special topics relating to the French speaking world taken abroad from UNCW faculty or as transfer credit. Course may be repeated under different subtitles.
Credit Hours: 1 To 6 University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

FRH 301 - Conversation

Course Description:

Practice in the use of everyday French for enrichment of functional vocabulary and improved fluency. Extensive use of authentic materials; situational communicative exercises.

Credit Hours: 3 Prerequisite Courses:

FRH 202 or placement by exam.

Additional Restrictions/Requirements:

Permission of the instructor.

University Studies: ["Foundations/Foreign Language"] Course Repeatability: Course may not be repeated.

FRH 302 - Grammar and Composition I

Course Description:

Thorough study of French grammatical structures and nuances, with attention to the contrasts between French and English. Intensive practice in writing, editing and revising papers written in genres such as landscape descriptions, literary portraits, narration of events, and critical essays.

Credit Hours: 3 Prerequisite Courses:

FRH 202 or placement by exam.

Additional Restrictions/Requirements:

Permission of the instructor.

University Studies: ["Foundations/Foreign Language"] Course Repeatability: Course may not be repeated.

FRH 303 - Grammar and Composition II

Course Description:

Thorough study of French grammatical structures and nuances, with attention to the contrasts between French and English. Intensive practice in writing, editing, and revising papers written in genres such as analytical essays, reviews of films, books, music, and other artistic performances, literary analyses, and personal and business correspondence.

Credit Hours: 3 Prerequisite Courses:

FRH 202 or placement by exam.

Additional Restrictions/Requirements:

Permission of instructor.

University Studies: ["Foundations/Foreign Language"] Course Repeatability: Course may not be repeated.

FRH 304 - French for the Professions

Course Description:

Intensive study of specialized vocabulary, real-life situations, and cultural differences that play an important role in commerce with the Francophone world. Extensive use of authentic materials and translation; oral and written reports.

Credit Hours: 3 Prerequisite Courses:

FRH 202 or placement by exam.

Additional Restrictions/Requirements:

Permission of instructor.

University Studies: ["Approaches and Perspectives/Living in a Global Society", "Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

FRH 305 - Topics in French and Francophone Studies

Course Description:

The study of a specific topic, theme, or genre in French and Francophone studies. May be repeated under a different subtitle.

Credit Hours: 3 Prerequisite Courses: FRH 301 or FRH 302 or FRH 303 or placement by exam

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 9 Repeat Limit: 2

FRH 306 - Reading Strategies

Course Description:

Strategies for improving reading skills and the interpretation of a wide range of texts from current advertisements, newspapers, and periodicals to traditional literary genres.

Credit Hours: 3 Prerequisite Courses:

FRH 202 or placement by exam.

Additional Restrictions/Requirements:

Permission of instructor.

Course Repeatability: Course may not be repeated.

FRH 308 - French Linguistics

Course Description:

Introduction to the phonetics, phonology, morphology, and syntax of French; emphasis on the French sound system, pronunciation, and intonation.

Credit Hours: 3 Prerequisite Courses:

FRH 202 or placement by exam.

Additional Restrictions/Requirements:

Permission of instructor.

Course Repeatability: Course may not be repeated.

FRH 311 - French Civilization

Course Description:

Examines the cultural history of France from Lascaux to the present with a special emphasis on France's religious and political transformations. May include readings of political speeches and comic books, as well as viewings of films and audio-visual documents.

Credit Hours: 3 Prerequisite Courses:

FRH 301 or FRH 302 or FRH 303 or placement by exam

Additional Restrictions/Requirements:

Permission of instructor.

University Studies: ["Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

FRH 318 - Contemporary France

Course Description:

Examines France's modern institutions and relationship with the world. May include watching French TV news and discussing pressing and sensitive issues. Designed to develop cultural literacy.

Credit Hours: 3 Prerequisite Courses:

FRH 301 or FRH 302 or FRH 303 or placement by exam.

Additional Restrictions/Requirements:

Permission of instructor.

University Studies: ["Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

FRH 319 - Introduction to the Francophone World

Course Description:

An exploration of the diverse regions of the French-speaking world through the study of current cultural, literary, social, and linguistic issues.

Credit Hours: 3 Prerequisite Courses:

FRH 301 or FRH 302 or FRH 303 or placement by exam.

Additional Restrictions/Requirements:

Permission of instructor.

University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives", "Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

FRH 321 - Survey of French Literature I

Course Description:

Extensive readings covering the main currents of French literature; emphasis in

classroom on textual analysis and criticism; oral and written reports.
Credit Hours: 3 Prerequisite Courses:
FRH 301 or FRH 302 or FRH 303 or placement by exam
Additional Restrictions/Requirements:
Permission of instructor.
University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives", "Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

FRH 322 - Survey of French Literature II

Course Description:
Extensive readings covering the main currents of French literature; emphasis in classroom on textual analysis and criticism; oral and written reports.
Credit Hours: 3 Prerequisite Courses:
FRH 301 or FRH 302 or FRH 303 or placement by exam
Additional Restrictions/Requirements:
Permission of instructor.
University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives", "Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

FRH 385 - Introduction to French Cinema

Course Description:
Analysis of selected films from the silent era to the present, including the 'Golden Age' and the Occupation, the New Wave, Francophone cinema, and recent French cinema. Directors studied include the Lumiere brothers, Melies, Renoir, Truffaut, Malle, and current filmmakers.
Credit Hours: 3 Prerequisite Courses:
FRH 301 or FRH 302 or FRH 303 or placement by exam
Additional Restrictions/Requirements:
Permission of the instructor.
Course Repeatability: Course may not be repeated.

FRH 394 - French Study Abroad II

Course Description:
Junior-level designation for non-catalogue courses offered by a department abroad. Course may be repeated under different subtitles.
Credit Hours: 1 To 6 University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

FRH 401 - Advanced Conversation

Course Description:

Advanced practice of oral communication and interaction with a focus on oral competency and functionality in a wide variety of aspects, demands, and situations in French and Francophone contexts.

Credit Hours: 3 Prerequisite Courses:

(FRH 301 and FRH 302) or FRH 303

University Studies: ["Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated.

FRH 402 - Advanced Grammar and Composition

Course Description:

Intensive study and writing practice of more advanced stylistic levels and grammatical structures of the French language for a variety of purposes and contexts (such as editorials and opinions, descriptions, narrations, hypotheses, etc.).

Credit Hours: 3 Prerequisite Courses:

FRH 302 or FRH 303

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated.

FRH 404 - Advanced French for the Professions

Course Description:

Advanced work in uses of French in various professional settings, including diplomacy, international affairs, global development organizations, medical professions, film and fashion industries, culinary arts, and others. Emphasis on research of professional organization in the Francophone world, individual and/or group presentations, and written reports specific to each profession. Content may vary to address individual needs.

Credit Hours: 3 Prerequisite Courses:

FRH 301 or FRH 302 or FRH 303 or placement by exam

Additional Restrictions/Requirements:

Permission of instructor.

University Studies: ["Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

FRH 411 - Topics in French Studies

Course Description:

Discussion and interpretation of significant topics of French culture through an interdisciplinary approach. Oral and written reports. May be repeated under a

different subtitle.
Credit Hours: 3 Prerequisite Courses:
FRH 301 or FRH 302 or FRH 303 or placement by exam
Additional Restrictions/Requirements:
Permission of instructor.
University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 9 Repeat Limit: 2

FRH 412 - The Francophone World

Course Description:
Study of representative literary and non-literary texts, films and sound recordings from French-speaking cultures in North America, the Caribbean, Africa, Asia, and elsewhere. Oral and written reports.
Credit Hours: 3 Prerequisite Courses:
FRH 301 or FRH 302 or FRH 303 or placement by exam
Additional Restrictions/Requirements:
Permission of the instructor.
University Studies: ["Building Competencies/Writing Intensive", "Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated.

FRH 420 - Topics in French Literature

Course Description:
Study of a selected literary theme, movement, period, influence, figure, or genre. Oral and written reports. May be repeated once under a different subtitle.
Credit Hours: 3 Prerequisite Courses:
FRH 301 or FRH 302 or FRH 303 or placement by exam
Additional Restrictions/Requirements:
Permission of the instructor.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Repeat Limit: 1

FRH 421 - French Immigrant Narratives

Course Description:
Study of major immigrant groups in France and the relationship between French immigration and French national and cultural identity. Analysis of depictions of immigrants from all continents in novels, short stories, graphic novels, music, and cinema in their socio-cultural, historical and artistic contexts.
Credit Hours: 3 Prerequisite Courses:
FRH 301 or FRH 302 or FRH 303 or by placement by exam
Additional Restrictions/Requirements:
Permission of the instructor.

University Studies: ["Approaches and Perspectives/Living in a Global Society", "Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

FRH 448 - French Theatre and Performance

Course Description:

Study of the French theatrical heritage from the Middle Ages through the 21st Century. Culminates in a theatrical performance produced by students for the UNCW and Wilmington communities.

Credit Hours: 3 Prerequisite Courses:

FRH 301 or FRH 302 or FRH 303 or placement by exam

Additional Restrictions/Requirements:

Permission of the instructor.

Course Repeatability: Course may not be repeated.

FRH 470 - French Women Writers

Course Description:

Examination of a wide variety of texts written by French and francophone women. Investigates how women have positioned themselves in society through centuries.

Credit Hours: 3 Prerequisite Courses:

FRH 301 or FRH 302 or FRH 303

Additional Restrictions/Requirements:

Placement by exam or permission of the instructor.

Course Repeatability: Course may not be repeated.

FRH 485 - Seminar in French Cinema

Course Description:

Advanced study of a selected topic in French cinema. May be repeated under a different subtitle.

Credit Hours: 3 Prerequisite Courses:

FRH 301 or FRH 302 or FRH 303 or placement by exam

Additional Restrictions/Requirements:

Permission of the instructor.

University Studies: ["Building Competencies/Writing Intensive"] Crosslisting:

FST 480 , WLC 480 , SPN 485

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12 Repeat Limit: 3

FRH 491 - Directed Individual Study

Course Description:

Involves investigation under faculty supervision beyond what is offered in existing

courses. For further information, consult the Directed Individual Studies section in this catalogue.
Credit Hours: 1 To 3 Additional Restrictions/Requirements:
Junior or senior standing, overall GPA of at least 2.00, and consent of instructor, department chair and dean.
University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

FRH 494 - French Study Abroad III

Course Description:
Upper division level of specialized topics relating to the French-speaking world taken abroad from UNCW faculty or as transfer credit. Course may be repeated under different subtitles.
Credit Hours: 1 To 6 University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

FRH 495 - Seminar in French Literature

Course Description:
Intensive study of a selected topic in literature. Individualized research, which may include informal and formal presentations, reports, a substantial research project. May be repeated under a different subtitle.
Credit Hours: 1 To 3 Prerequisite Courses: FRH 321 or FRH 322 Additional Restrictions/Requirements:
Prerequisite course or consent of instructor.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

FRH 498 - Internship in French

Course Description:
A program of work and study conducted within an agency and/or setting that provides practical experience with observation and application of foreign language skills. A maximum of six credit hours may be applied to the degree in French.
Credit Hours: 3 To 6 Additional Restrictions/Requirements:
Junior or senior standing and consent of instructor.
University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

FRH 499 - Honors Work in French

Course Description:
Independent study for honors students.

Credit Hours: 2 To 3 Additional Restrictions/Requirements:

Senior standing and eligibility for honors program.

University Studies: ["Building Competencies/Writing Intensive", "Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

GGY 101 - Modern World Geography

Course Description:

The theory, techniques, and professional applications of modern geographic science. Examines geography as a broad interdisciplinary science focused on places, spatial patterns, and the intersection between human activities and the natural world. Includes discussion of the historical origins and modern relevance of geographic thought.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Understanding Human Institutions and Behaviors", "Approaches and Perspectives/Living in a Global Society"] Course Repeatability: Course may not be repeated.

GGY 130 - Geosystems

Course Description:

Spatial distribution of environmental elements and processes, including weather and climate, groundwater, soils, rocks, plate tectonics, landforms, and vegetation. Three lecture and two laboratory hours each week.

Credit Hours: 4 University Studies: ["Approaches and Perspectives/Scientific Approaches to the Natural World", "Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

GGY 160 - Our Changing Climate

Course Description:

Basic introduction to global climate change science and the potential impacts of global climate change. Explores global climate change skepticism and related political behaviors.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Scientific Approaches to the Natural World", "Approaches and Perspectives/Understanding Human Institutions and Behaviors"] Course Repeatability: Course may not be repeated.

GGY 180 - World Regional Geography

Course Description:

Regional survey of historical, physical, economic, and cultural geography of world regions. Fundamental locational geography as the foundation for a clear world view and an understanding of global interdependence.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in a Global Society"] Course Repeatability: Course may not be repeated.

GGY 215 - The Digital Globe

Course Description:

Introduction to the maps, data, and methods commonly used by geographers to investigate spatial relationships from local to global scales. Includes the examination of geography as a discipline whereby human and physical environments are spatially explored.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in a Global Society", "Building Competencies/Information Literacy", "Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated.

GGY 220 - Cartography and Data Visualization

Course Description:

Introduction to fundamental cartographic and geospatial data visualization principles that provide students the ability to describe, generate, and evaluate relevant products (maps, graphs, charts). The course uses examples from physical geography and human landscapes to practice the principles defined in the Essential Body of Knowledge used in geospatial professions.

Credit Hours: 3 Prerequisite Courses:

GGY 130 or GGY 101

University Studies: ["Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

GGY 222 - Quantitative Methods in Earth Sciences

Course Description:

Use and interpretation of statistical techniques in geographic and geologic research. The course emphasizes problem identification, data collection and interpretation through assignments covering specific kinds of statistical methods.

Credit Hours: 3 University Studies: ["Building Competencies/Information Literacy", "Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated.

GGY 230 - Introduction to Weather and Climate

Course Description:

Examination of general climatic characteristics through space and time, especially as influenced by controls upon temperature, wind and moisture distributions, and by planetary, regional and local atmospheric disturbances.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Scientific Approaches to the Natural World", "Approaches and Perspectives/Living in a Global Society"] Course Repeatability: Course may not be repeated.

GGY 235 - Principles of Hydrology

Course Description:

Covers the three main components of terrestrial hydrology: (1) atmospheric water, precipitation, and surface-atmosphere interactions; (2) groundwater, infiltration, substance flow, and aquifers; and (3) surface water, watersheds, rivers and floods. Lectures and exercises focus on collecting and interpreting hydrological data to address environmental issues.

Credit Hours: 3 Prerequisite Courses:

GGY 130 or GLY 101 or GLY 120

Crosslisting:

GLY 226

Course Repeatability: Course may not be repeated.

GGY 280 - Special Topics in Geography

Course Description:

Selected physical, cultural, regional, or applied topics in geography that are not considered in detail in regular course offerings.

Credit Hours: 1 To 3 Prerequisite Courses:

GGY 101 or GGY 130 or GGY 180 .

Course Repeatability: Course may be repeated.

GGY 291 - Introductory Research in Geography

Course Description: Laboratory and computational research under faculty supervision beyond what is offered in existing courses. Credit Hours: 1 Additional Restrictions/Requirements: Freshman or sophomore standing, and consent of instructor and department chair. Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 3 Repeat Limit: 2

GGY 321 - Introduction to Geographic Information Systems

Course Description:

Introduces fundamental concepts and principles of Geographic Information Systems (GIS). Tools, functions, and capabilities of GIS desktop software (e.g. ArcGIS or QGIS) are explained and used to visualize and manipulate geospatial data.

Credit Hours: 3 Prerequisite Courses:

GGY 130 or GGY 215 or GLY 101 or GLY 120 or OCN 150 or EVS 195 or EGN 102 .

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated.

GGY 322 - Introduction to Remote Sensing

Course Description:

Theory and application of remote sensing techniques and software applications for environmental sciences, geography, earth sciences, hydrology, archaeology, forestry, and public health. Includes satellite data collection, digital image processing, multispectral image analysis, introduction to thermal infrared and microwave data through laboratory exercises. Students work in small groups to apply remote sensing concepts to solve complex problems. Two lecture and two laboratory hours each week.

Credit Hours: 3 Prerequisite Courses:

GGY 130 or GGY 215 or GLY 101 or GLY 120 or OCN 150 or EVS 195 or consent of instructor.

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated.

GGY 333 - Applied Climatology

Course Description:

The spatial distribution and character of climates, their relation to other elements of the environment and to human activities. Students work individually or in small groups to solve problems through applications of climate principles and data.

Credit Hours: 3 Prerequisite Courses:

GGY 130 or GGY 230

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

GGY 335 - Geomorphology

Course Description:

A systematic treatment of the surface processes that shape fluvial, glacial, aeolian, and coastal landforms. Themes include process mechanics, description and classification of landforms, and evolution of landform systems. Students work individually or in small groups to analyze geomorphological data in field and laboratory settings. Three lecture and three laboratory hours each week.

Credit Hours: 4 Prerequisite Courses:

GGY 130 or GLY 101 or GLY 120 or OCN 150 .

Crosslisting:

GLY 335

Course Repeatability: Course may not be repeated.

GGY 340 - Global Change: Population, Resources, and the Environment

Course Description:

Introduction to the four major driving forces of global change: demographic trends, natural resource use, climate change, and globalization. Explores the role of economic and cultural development and analyzes regional patterns that result in the unique manifestations of global change.

Credit Hours: 3 Prerequisite Courses:

GGY 130 or GGY 101 or GGY 180, or consent of instructor.

Course Repeatability: Course may not be repeated.

GGY 365 - Written Communication in Geography

Course Description:

Development of written scientific communication skills for topics related to geography and geospatial sciences.

Credit Hours: 2 University Studies: ["Building Competencies/Information Literacy", "Building Competencies/Writing Intensive", "Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated. Major Restriction: Geography and Geospatial Science, Geosciences, Geology, Oceanography

GGY 383 - Geography of Islands and Coasts

Course Description:

The study of islands and coasts as unique geographic features. Explores the physical processes of islands and coasts, the environmental history of islands and coasts, and current environmental issues unique to islands and coasts.

Credit Hours: 3 Prerequisite Courses:

GGY 101 or consent of instructor.

Course Repeatability: Course may not be repeated.

GGY 390 - Field Methods in Geography

Course Description:

Applied study of geographic processes in field settings. Introduction to methods and techniques used in geography including sampling design, field measurements, data collection, and data analysis. Colloquium and required field trips (with associated costs).

Credit Hours: 2 Prerequisite Courses:

GGY 101 or GGY 130 or GGY 215 .

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Repeat Limit: 2 Additional Course Fees: ["Student

Blanket Professional Liability Insurance"]

GGY 395 - Oral Communication in Geography

Course Description:

Development of oral presentation and computer application skills in Geography.

Credit Hours: 1 Prerequisite or Corequisite Courses:

GGY 365 or GLY 365 or OCN 365

Course Repeatability: Course may not be repeated.

GGY 420 - Global Climate Change

Course Description:

Analysis of natural and anthropogenic global climate change with an emphasis on future global climate change. Topics include Earth's energy balance, the global carbon cycle, climate modeling, atmospheric composition and dynamics. Review of geographical variation in climate change.

Credit Hours: 3 Prerequisite Courses:

GGY 230

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

University Studies: ["Building Competencies/Writing Intensive"] Crosslisting:

GLY 420 , PHY 420

Course Repeatability: Course may not be repeated.

GGY 421 - Spatial Programming

Course Description:

Introduction to GIS programming. The course will focus on how to customize applications and streamline spatial analysis, and is designed to improve students' skills in conducting sophisticated spatial analysis and adapting to new technologies and programming languages. Two lecture and two laboratory hours each week.

Credit Hours: 3 Prerequisite Courses:

GGY 321 or consent of instructor

Course Repeatability: Course may not be repeated.

GGY 423 - GIS Modeling

Course Description:

Introduction to geographical and temporal modeling concepts using GIS based modeling languages and techniques.

Credit Hours: 3 Prerequisite Courses:

GGY 321 .

Course Repeatability: Course may not be repeated.

GGY 424 - Advanced Geographic Information Systems

Course Description:

Advanced theory and application of the use of Geographic Information Systems (GIS), spatial data collection, data structures, data management, and relational databases, spatial analysis, and display of geographic information in a computer-based environment. Lectures, demonstrations, and lab exercises. Two lecture and two laboratory hours each week.

Credit Hours: 3 Prerequisite Courses:

GGY 321 or consent of instructor

University Studies: ["Explorations Beyond the Classroom"] Crosslisting:

GGY 524

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

GGY 425 - GIS for Equity and Social Justice

Course Description:

Use of GIS to investigate and measure spatial patterns of equity, social and environmental justice. Topics for discussion may include population migration, redlining, segregation, gentrification and environmental bias. Two lecture and three lab hours each week.

Credit Hours: 3 Prerequisite Courses:

GGY 321 .

Course Repeatability: Course may not be repeated.

GGY 426 - Environmental Geographic Information Systems

Course Description:

Overview of environmental applications of GIS including planning, date development, and analysis of the data, and oral and written presentation of the results. Students work individually or in small groups to remediate an environmental problem. Two lecture and two laboratory hours each week.

Credit Hours: 3 Prerequisite Courses:

GGY 321 or consent of instructor

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Crosslisting:

GGY 526

Course Repeatability: Course may not be repeated.

GGY 428 - Advanced Remote Sensing

Course Description:

Advanced theory and application of remote sensing techniques and software applications for environmental sciences, geography, earth sciences, hydrology, archaeology, and forestry. Includes satellite data collection, advanced classification methods, hyperspectral and microwave image analysis, and satellite elevation data construction. Two lecture and two laboratory hours each week.

Credit Hours: 3 Prerequisite Courses:

GGY 322

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Crosslisting:

GGY 528

Course Repeatability: Course may not be repeated.

GGY 429 - Aerial Drone Applications in Geoscience

Course Description:

Introduction to the applications of unmanned aerial systems (UAS, or drones) in the geosciences. The course will cover an introduction to remote sensing and photogrammetry, the basics of UAS regulatory frameworks, and data collection and processing, with at least 40% of the class devoted to data collection in the field.

Credit Hours: 3 Prerequisite Courses:

GGY 321 or GGY 322 or consent of instructor

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated.

GGY 432 - Biogeography

Course Description:

Study of the changing distribution patterns of plants and animals on a variety of spatial and temporal scales. Topics include abiotic and biotic controls on the distribution of life, disturbance, ecological communities, dispersal, invasion, speciation, extinctions, biogeographic realms, human impacts on biodiversity, and conservation.

Credit Hours: 3 Prerequisite Courses:

GGY 130 or GLY 101

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

University Studies: ["Building Competencies/Information Literacy"] Crosslisting:

GLY 532

Course Repeatability: Course may not be repeated.

GGY 433 - Weather Analysis and Forecasting

Course Description:

Introduction to tools of weather analysis and use of these tools to construct weather forecasts.

Credit Hours: 3 Prerequisite Courses:

GGY 230 and GGY 333

Course Repeatability: Course may not be repeated.

GGY 435 - Environmental Geography

Course Description:

A systems approach to understanding past, present and future human impacts on the natural environment, including changes and impacts on the hydrosphere, atmosphere, biosphere, geosphere and cryosphere. A team-based learning experience emphasizing socio-environmental synthesis and concept application through a series of case studies discussion.

Credit Hours: 3 Prerequisite Courses:

GGY 321 or consent of instructor

University Studies: ["Building Competencies/Writing Intensive"] Crosslisting:

GGY 535

Course Repeatability: Course may not be repeated.

GGY 436 - Ice Age Earth

Course Description:

A review of the Quaternary Period, roughly the last two million years of earth history. Topics included the discovery of the ice age, climate change theory, glacial dynamics, geological and biological records of environmental change, and human evolution and migration during the Quaternary.

Credit Hours: 3 Prerequisite Courses:

GGY 130 or GGY 230 or GLY 101 or OCN 150 .

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

GGY 437 - Soils in the Earth Sciences

Course Description:

Pedogenic processes, morphology, classification, and geographic distribution of soils. Lab includes field description of soil profiles and laboratory analysis of soil samples. Three lecture and three laboratory hours each week.

Credit Hours: 4 Prerequisite Courses:

GGY 130 or GLY 101 or GLY 201 or EVS 195 .

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated.

GGY 438 - Geoarchaeology

Course Description:

A survey of the interdisciplinary field of geoarchaeology, broadly defined as the application of geoscience techniques to archaeological sites, materials and problems. Topics include historical interactions between geoscientists and archaeologists, formation of sediments and soils, principles of geological and archaeological stratigraphy, site discovery and analysis by geospatial methods, age dating methods, paleoenvironmental analysis as archaeological context, and mineralogical and microscopic analysis of archaeological materials.

Credit Hours: 3 Prerequisite Courses:

GGY 130 or GGY 230 or ANT 207 or consent of instructor.

Course Repeatability: Course may not be repeated.

GGY 439 - Paleoclimatology

Course Description:

Climatic change throughout geologic time, with an emphasis on Quatenary climate change. Topics include an overview of Earth's climate system, tectonic-scale, orbital-scale, millennial-scale, and future climate change.

Credit Hours: 3 Prerequisite Courses:

GGY 130 or GGY 230 or GLY 101 or consent of instructor.

University Studies: ["Building Competencies/Writing Intensive"] Crosslisting:

GLY 539

Course Repeatability: Course may not be repeated.

GGY 473 - Environmental Land Use Change and Planning

Course Description:

Overview of the concepts and processes related to rural and urban development; growth and change, including land use issues and environmental planning strategies around land, water, and other natural resources; and critical evaluations of regional land use plans and policies. Students will conduct applied research on various regional/environmental land use issues and create outreach and communication tools in oral and written form.

Credit Hours: 3 Prerequisite Courses:

GGY 130 or GGY 321 or EVS 195 or OCN 150 or consent of instructor
Course Repeatability: Course may not be repeated.

GGY 475 - Water Resources: Science and Policy

Course Description:

This multi-disciplinary approach to planetary water management includes the history of water resource issues; natural hydrospheric water processes; water quality constituents in ecosystems and human health; water project construction and management; environmental impact issues of water quality, quantity, and management; and applications of water laws, allocation, economics, and conflict resolution.

Credit Hours: 3 Prerequisite Courses: GGY 130 or EVS 195 or OCN 150 Crosslisting:
GGY 575
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 3

GGY 480 - Advanced Topics in Geography

Course Description:

Selected physical, cultural, regional, or applied topics in geography that are not considered in detail in regular course offerings. More than one topic may be taken for credit.

Credit Hours: 1 To 3 Additional Restrictions/Requirements:
Junior or senior standing or consent of instructor.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

GGY 491 - Directed Individual Study

Course Description:

Involves investigation under faculty supervision beyond what is offered in existing courses. Students work individually on a research project with a faculty member. For further information, consult the

Depending on their interests and abilities, UNCW students may choose from several kinds of special courses and programs to individualize and otherwise enrich their studies.

- This course, designated as 491 in each department, involves investigation beyond what is offered in existing courses. To enroll in a Directed Individual Study, students must be a junior or senior. Additionally, students must have an overall grade point average of at least 2.00 and the approval of (1) the faculty member who will direct the study, (2) the departmental chairperson, and (3) the appropriate dean. Departmental criteria will include (1) the availability of the instructor (instructors may only supervise a limited number of independent studies each semester), (2) the

appropriateness of and need for the proposed study in the student's program, (3) the availability of library and other research resources, and (4) the feasibility of completion of the proposed study in the allotted time. Students are limited to nine credit hours of Directed Individual Study toward graduation requirements.

- Several departments within the College of Humanities, Social Sciences, and the Arts and the professional schools offer field experience courses as part of their semester or summer programs. Participating students conduct individual or group research under faculty guidance at selected areas within and outside the continental United States. Apart from the greater Wilmington area, field experience courses have been conducted in such places as the Florida Keys, Barbados, the Bahamas, Portugal, and parts of Central and South America.

- Raymond L. Burt, *coordinator*
  The German Studies Consortium links participating UNC institutions to facilitate the sharing of teaching and learning resources to enhance German Studies across The University of North Carolina system. This consortium offers a broad array of German Studies courses in the language, literature, and culture of the German-speaking countries taught by specialists in the field. The primary focus is on the sharing of upper-level German classes offered each semester on the North Carolina Information Superhighway. Participant universities include Appalachian State University, East Carolina University, North Carolina State University, the University of North Carolina at Asheville, the University of North Carolina at Charlotte, the University of North Carolina at Greensboro, University of North Carolina Wilmington, and Western Carolina University. For course details, visit the UNC Online Exchange.

- Regina Felix, *coordinator*
  The Portuguese Exhange links participating UNC institutions to facilitate the sharing of teaching and learning resources to enhance Portuguese language and Portugurese and Brazilian Studies across the University of North Carolina system. This exchange offers courses in the language, literature, and culture of the Portuguese-speaking countries taught by specialists in the field. Participant

universities include Appalachian State University, North Carolina State University, the University of North Carolina Asheville, the University of North Carolina at Chapel Hill, the Unversity of North Carolina at Charlotte, the University of North Carolina Wilmington, and Winston Salem State University. For course details, visit the UNC Online Exchange.

- Dave Graber, *coordinator*
  The Russian Studies Consortium links participating UNC institutions to facilitate the sharing of teaching and learning resources to enhance Russian Studies across The University of North Carolina system. This consortium offers a broad array of Russian Studies courses in the language, literature, history, film, society, and culture in the Russian-speaking countries, which can be taught in the target language and/or in translation by specialists with credentials in Russian Studies. The primary goal focuses on the sharing of elementary, intermediate, and upper level Russian Studies classes offered each semester as well as summer session courses on the North Carolina Information Superhighway and/or fully online. Participant universities include Appalachian State University, East Carolina University, North Carolina State University, The University of North Carolina at Charlotte, The University of North Carolina at Greensboro, and The University of North Carolina Wilmington. Courses are offered through the UNC Online Exchange.

- Raymond L. Burt, UNCW *coordinator*
  The UNC Language Assembly is a cooperative of the language departments of all 17 campuses of the UNC System, and serves the UNC System and the State of North Carolina by supporting the foreign language programs at the constituent institutions and by seeking to offer a wide diversity of foreign language choices to the students at all the UNC campuses. Students are not required to pay tuition at the other campus, since UNCW tuition applies to these courses as well. Courses are taught online or through videoconference technology. Students can directly enroll in language classes offered by campuses through the UNC Online Exchange.

- https://uncw.edu/myuncw/academics/graduate-school/forms

Graduate Courses Taken for Undergraduate Credit

Graduate courses at UNCW or other accredited institutions may be used to fulfill undergraduate requirements if approved by the course instructor, student's department chair, undergraduate dean, and the dean of the Graduate School. All other transfer credit policies apply. Permission forms may be obtained on the Graduate School forms page under the "Undergraduate Registration for Graduate Courses" section at https://uncw.edu/myuncw/academics/graduate-school/forms.

Graduate Course Taken as an Undergraduate to Later Apply to a Graduate Degree

Undergraduate students who wish to take graduate courses and later receive graduate credit for them must fill out a Docusign to obtain permission in advance from the course instructor, student's department chair and undergraduate dean, and the Graduate School for approval. Graduate courses taken under this provision may not be used to fulfill undergraduate degree requirements. Permission forms may be obtained on the Graduate School form page under the "Undergraduate Registration for Graduate Courses"
section https://uncw.edu/myuncw/academics/graduate-school/forms.

Credit for Approved Combined Degree Programs

Graduate courses used to fulfill an undergraduate degree requirement at UNCW

may be applied to a graduate degree only when taken as part of an approved combined degree program. Courses applied toward an awarded degree may not be applied to a second degree except as described by specific degree programs.

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https://www.uncw.edu/global/
The Office of Global Partnerships and International Education is comprised of three units: Education Abroad, English Language Center, and the Office of International Students & Scholars.

Education Abroad

UNCW offers more than 800 education abroad opportunities in more than 50 countries. Options available include coursework taken abroad, international internships for academic credit, credit-bearing service-learning experiences, academic research, and virtual global learning opportunities. UNCW provides education abroad opportunities to suit nearly every major and credit earned through international programs may be applied towards a UNCW degree. Financial aid may be used in conjunction with education abroad programs and scholarships are available. Students may select from short-term and summer programs, as well as semester, year-long and two-year dual degree options.
All applications for any credit-bearing program abroad must be made through the Office of Global Partnerships and International Education.
UNCW students who study abroad retain their active UNCW student status and will not have to re-enroll upon return.
Eligibility requirements include:

- 18 years of age at the time of participation
- Good disciplinary standing
- 2.5+ cumulative grade point average
- Sophomore+ status (select programs are open to first-year students)
- Any program-specific requirements
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Several programs in the College of Humanities, Social Sciences, and the Arts,

College of Science and Engineering, College of Education, College of Health and Human Services, and the Cameron School of Business offer students the opportunity to earn academic credit within a work environment external to the program. The purpose of the internship experience is to enhance, supplement, and integrate the learning that occurs in formal classroom settings. Permission of the dean and program offering the internship is required to enroll, and the program places limits on the number of credit hours earned applicable toward graduation. Internships designated by a 498 number will be graded on a Pass (P), Fail (F) basis. These credit hours earned will count towards the number of hours required to graduate, but the grade of Pass (P) will be excluded from the computation of the GPA. For further information on internships, refer to the courses numbered 498 in the course listings and then contact the departments offering them.

- The North Carolina Child Welfare Education Collaborative is a university-agency partnership that ensures a quality work force in child welfare settings. The educational goal of this program is to directly address the workforce need for social workers in child welfare settings. Administered by the Jordan Institute for Families, the collaborative includes North Carolina social work education programs, the NC Division of Social Services, the NC Association of County Directors of Social Services and the NC Chapter of the National Association of Social Workers. Educating, training, and supporting current and future social workers in child welfare meets the goal of strengthening families and protecting children. The collaborative offers focused educational courses, training and field experience in child welfare agencies. Participating universities include Appalachian State University, University of North Carolina at Chapel Hill, East Carolina University, North Carolina State University, Joint Masters of Social Work Program at University of North Carolina at Greensboro and North Carolina Agricultural and Technical State University, and University of North Carolina Wilmington.

- The Reverse Transfer Program is a collaborative effort between North Carolina's Community Colleges and the University of North Carolina's 16 constituent institutions. Students who transfer to UNC Wilmington from one of the 58 North Carolina community colleges are given the opportunity to combine the credits earned at UNCW with credit already earned at the community college to determine

if the associate degree requirements have been met. Students have the opportunity to opt-in to this program at the time of admission as a transfer student. There is no cost to participate. For more information, contact the Office of the Registrar.
Eligibility: Students must have earned at least 16 college-level credit hours at one community college applicable towards their degree, to be eligible to participate. After earning a total of 60 combined credits, the student's UNCW records will be sent back to their previous community college for evaluation. The community college will contact students via their UNCW email, with further details, if the Associate degree is awarded.

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Several UNCW courses employ service-learning opportunities. Service learning is an innovative method of teaching and learning that combines thoughtfully organized service to the community with other means of instruction. Community service-projects are integrated into and enhance the academic curriculum of students, fitting naturally into the philosophy and pedagogy of a variety of disciplines and fostering civic responsibility. Both students and the community benefit from service learning. Service-learning courses have several strengths, not the least of which is that they are adaptable to the needs of the community while providing structured time for the students to reflect on the service experience.

section in the catalogue.
Credit Hours: 1 To 3 Additional Restrictions/Requirements:
Junior or senior standing, overall GPA of at least 2.00, and consent of instructor, department chair and dean.
University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

GGY 494 - International Field Experience in Geography

Course Description:
Students will gain a deep understanding of diverse geographic topics in international settings. The class may include preparatory lectures and readings, faculty-led field trips, study abroad in classroom settings, and applied learning or research projects.
Credit Hours: 1 To 6 Additional Restrictions/Requirements:
Consent of instructor.
University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

GGY 498 - Internship in Applied Geography

Course Description:

Supervised practical experience with a professional geographic agency. Area of concentration, requirements, and means of evaluation to be defined in consultation with faculty. Interns work with local and regional professionals as they conduct business.

Credit Hours: 1 Prerequisite Courses:

GGY 220 or GGY 321 or GGY 322

Additional Restrictions/Requirements:

Junior or senior standing, prerequisite courses, a 2.50 grade point average, and consent of instructor.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Repeat Limit: 1 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:

Additional Course Fee Schedule

GGY 499 - Honors Work in Geography

Course Description:

Individual study for honors students. Students work with a faculty member and honors thesis committee to conduct focused research leading to an honors thesis.

Credit Hours: 2 To 3 Additional Restrictions/Requirements:

Eligibility for honors program and recommendation of department chairperson.

University Studies: ["Building Competencies/Writing Intensive", "Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

GLY 101 - Earth Revealed

Course Description:

An introduction to Geology covering fundamental topics including plate tectonics, geologic time, and Earth materials with emphasis on how geology affects the natural environment, controls distribution of natural resources, and poses risks to humans. Contemporary issues covered include natural resource use (water, energy), geohazards, coastal processes, and climate change.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Scientific Approaches to the Natural World", "Living in a Global Society"] Course Repeatability: Course may not be repeated.

GLY 120 - Environmental Geology

Course Description:

Introduction to the relationships between man and his geologic environment. Concerned with the problems that people have in using the earth and the reaction of

the earth to that use. Emphasis is placed on earth processes, earth resources, and properties of rocks and surficial deposits insofar as they are important to or affect human activities.
Lab:
The lab for this course is GLYL 120 .
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Scientific Approaches to the Natural World", "Approaches and Perspectives/Living in a Global Society"] Course Repeatability: Course may not be repeated.

GLY 125 - Natural Disasters

Course Description:
Examination of the causes, effects, and options available to mitigate actual disasters, such as earthquakes, volcanic eruptions, landslides, subsidence, flooding, severe weather, and meteorite impacts. Case histories are used to demonstrate scientific principles and socioeconomic issues.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Scientific Approaches to the Natural World", "Approaches and Perspectives/Living in a Global Society"] Course Repeatability: Course may not be repeated.

GLY 132 - The Earth Through Time

Course Description:
Geologic history of the earth and the fossil record. Methods of dating rocks and fossils, interpreting ancient environments and the age of the earth. Field trips.
Credit Hours: 4 Prerequisite Courses:
GLY 101 or GLY 120 or GGY 130 .
Course Repeatability: Course may not be repeated.

GLY 135 - Prehistoric Life

Course Description:
Introduction to the field of paleontology and the fossil record; the succession of life from its earliest beginnings through the Age of Dinosaurs to modern Man; evolutionary, environmental and ecological analyses of fossil plants and animals based on biologic and geologic principles.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Scientific Approaches to the Natural World"] Course Repeatability: Course may not be repeated.

GLY 200 - Methods in Geology

Course Description:
Introduction to various bibliographic, graphic, field, and laboratory methods essential to geologic studies. Weekly projects and required field trips.

Credit Hours: 3 Prerequisite Courses:

(GLY 101 or GLY 120) and GLYL 120

Course Repeatability: Course may not be repeated.

GLY 201 - Mineralogy

Course Description:

Introduction to the formation, chemistry, symmetry, structure and natural occurrence of minerals. Principles of physical properties, crystal chemistry, crystallography, and mineral genesis. Study of the geologically important rock-forming mineral groups and associations. Introduction to optical mineralogy and the use of the petrographic microscope. Computer applications in geology. Required field trip(s).

Credit Hours: 4 Prerequisite Courses:

Prerequisite:GLY 101 or GLY 120 and GLYL 120 or GGY 130 . Prerequisite or corequisite: CHM 101 and CHML 101 .

Course Repeatability: Course may not be repeated.

GLY 205 - Earth Materials

Course Description:

Introduction to the solid materials that form the Earth and the geological techniques and methods that are used to identify and describe these materials.

Credit Hours: 3 Prerequisite Courses:

GLY 101 and GLYL 101) or (GLY 120 and GLYL 120).

Course Repeatability: Course may not be repeated.

GLY 220 - Field Methods in Environmental Sciences

Course Description:

Field intensive introduction to data collection methods and analytic procedures associated with monitoring, assessment and management of environmental problems. Required field trips.

Credit Hours: 3 Prerequisite Courses:

(GLY 101 or GLY 120) and (GLYL 120 or GGY 130)

Course Repeatability: Course may not be repeated.

GLY 226 - Principles of Hydrology

Course Description:

Covers the three main components of terrestrial hydrology: (1) atmospheric water, precipitation, and surface-atmosphere interactions; (2) groundwater, infiltration, substance flow, and aquifers; and (3) surface water, watersheds, rivers and floods. Lectures and exercises focus on collecting and interpreting hydrological data to address environmental issues.

Credit Hours: 3 Prerequisite Courses:

GGY 130 or GLY 101 or GLY 120

Crosslisting:

GGY 235

Course Repeatability: Course may not be repeated.

GLY 240 - Geology of North Carolina

Course Description:

General summary of North Carolina geology including mineral and rock resources. Geology of selected state parks.

Credit Hours: 3 Additional Restrictions/Requirements:

Any 100-level geology course or consent of instructor.

Course Repeatability: Course may not be repeated.

GLY 280 - Special Topics in Geology

Course Description:

Study of selected topics in geology that are not considered in detail in regular course offerings. Taught on demand.

Credit Hours: 1 To 4 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

GLY 291 - Introductory Research in Geology

Course Description: Laboratory and computational research under faculty supervision beyond what is offered in existing courses. Credit Hours: 1 Additional Restrictions/Requirements: Freshman or sophomore standing, and consent of instructor and department chair. Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 3 Repeat Limit: 2

GLY 310 - General Petrology

Course Description:

Survey of the major igneous, sedimentary, and metamorphic rock groups. Emphasis is on classification, textural features, mode of occurrence, environments of origin and economic importance. Laboratory stresses rock identification and typical rock associations. Required field trips.

Credit Hours: 4 Prerequisite Courses:

GLY 201 or GLY 205

Course Repeatability: Course may not be repeated.

GLY 311 - Igneous and Metamorphic Petrology

Course Description:

Theories of genesis of the major igneous and metamorphic rocks in the light of chemistry, mineralogy, structure and texture, field associations, and experimental

data. Relationship between igneous and metamorphic processes and crust-mantle tectonic activity. Required field trips. Two lecture and two laboratory hours each week.

Credit Hours: 3 Prerequisite Courses:

GLY 201

Course Repeatability: Course may not be repeated.

GLY 335 - Geomorphology

Course Description:

A systematic treatment of the surface processes that shape fluvial, glacial, aeolian, and coastal landforms. Themes include process mechanics, description and classification of landforms, and evolution of landform systems. Students work individually or in a small groups to analyze geomorphological data in field and laboratory settings.

Credit Hours: 4 Prerequisite Courses:

(GGY 130 or GLY 101 or GLY 120) and GLYL 120

Crosslisting:

GGY 335

Course Repeatability: Course may not be repeated.

GLY 337 - Invertebrate Paleontology

Course Description:

History of fossil protistans and invertebrates with emphasis on the principles of paleontology, systematics and evolution, and on the use of fossils in stratigraphic correlation. Required field trips. Two lecture and two laboratory hours each week.

Credit Hours: 3 Prerequisite Courses:

GLY 132

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

University Studies: ["Building Competencies/Writing Intensive", "Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

GLY 365 - Written Communication in Geology

Course Description:

Development of written scientific communication skills for topics related to the geosciences.

Credit Hours: 2 University Studies: ["Building Competencies/Information Literacy", "Building Competencies/Writing Intensive", "Critical Reasoning"] Course Repeatability: Course may not be repeated. Major Restriction: Geography and Geospatial Science, Geosciences, Geology, Oceanography

GLY 390 - Field Methods in Geosciences

Course Description:

Applied study of geological materials and processes in field settings. Introduction to methods and techniques used in the geosciences including field measurement, sample retrieval and data analysis. Colloquium and required field trips.

Credit Hours: 2 Prerequisite Courses:

GLY 132

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

University Studies: ["Explorations Beyond the Classroom", "Common Requirements/Critical Reasoning"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 4 Repeat Limit: 2 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:

Additional Course Fee Schedule

GLY 395 - Oral Communication in Geology

Course Description:

Includes oral presentations and computer applications in Geology.

Credit Hours: 1 Prerequisite or Corequisite Courses:

Prerequisite or Corequisite: GGY 365 or GLY 365 or OCN 365

Course Repeatability: Course may not be repeated.

GLY 402 - Advanced Mineralogy

Course Description:

Advanced techniques for mineral analysis and identification. Introduction to the theory and application of x-ray diffraction and fluorescence, the electron microprobe, spectroscopy, and reflected light microscopy.

Credit Hours: 4 Prerequisite Courses:

GLY 201

Course Repeatability: Course may not be repeated.

GLY 416 - Sedimentary Petrology

Course Description:

Classification and description of siliciclastic, carbonate, chemical, and carbonaceous sedimentary rocks. Survey of sedimentary depositional environments. Aspects of weathering, erosion, transportation, deposition, burial, and lithification. Laboratory exercises concentrate on microscopic and chemical analytical techniques. Field trips; fees may be required.

Credit Hours: 3 Prerequisite Courses:

GLY 201 and GLY 310 and GLY 331

Additional Restrictions/Requirements:

Prerequisite courses or consent of instructor.

Crosslisting:

GLY 516

Course Repeatability: Course may not be repeated.

GLY 420 - Global Climate Change

Course Description:

Analysis of natural and anthropogenic global climate change with an emphasis on future global climate change. Topics include Earth's energy balance, the global carbon cycle, climate modeling, atmospheric composition, and dynamics. Review of geographical variation in climate change.

Credit Hours: 3 Prerequisite Courses:

GGY 230

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

University Studies: ["Building Competencies/Writing Intensive"] Crosslisting:

GGY 420 , PHY 420

Course Repeatability: Course may not be repeated.

GLY 426 - Geohydrology

Course Description:

Geology of groundwater and related aspects of surface waters. Methods of ground water resource evaluation, protection, exploitation, and contaminant remediation.

Credit Hours: 3 Prerequisite Courses:

(GLY 101 or GLY 120 or OCN 150 or GGY 130), and (MAT 112 or MAT 160 or MAT 152 or MAT 161)

Additional Restrictions/Requirements:

Junior or senior standing in geology, geoscience, geography, oceanography and/or environmental sciences, prerequisite courses, and consent of instructor.

Crosslisting:

GLY 526

Course Repeatability: Course may not be repeated.

GLY 431 - Sedimentology and Stratigraphy

Course Description:

Introduction to the observation, description, and interpretation of sediment and sedimentary rock; the physical and chemical processes controlling weathering, sediment transport, deposition, and diagenesis; and the interpretation of

depositional environments and layered rock successions. Field trips; fees may be required. Three lecture and three laboratory hours each week.
Credit Hours: 4 Prerequisite Courses:
GLY 310 or permission of instructor.
University Studies: ["Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

GLY 439 - Paleoclimatology

Course Description:
Climatic change throughout geologic time, with an emphasis on Quatenary climate change. Topics include an overview of Earth's climate system, tectonic-scale, orbital-scale, millennial-scale, and future climate change.
Credit Hours: 3 Prerequisite Courses:
GGY 130 or GGY 230 or GLY 101
Additional Restrictions/Requirements:
Prerequisite course or consent of instructor.
University Studies: ["Building Competencies/Writing Intensive"] Crosslisting:
GLY 539
Course Repeatability: Course may not be repeated.

GLY 440 - Regional Geology of North America

Course Description:
A survey of the rocks, structures, natural resources, fossils, and tectonic histories of different regions of North America, such as the Precambrian Shield, Appalachians, and Cordillera.
Credit Hours: 3 Prerequisite Courses:
GLY 205 or GLY 310 .
Course Repeatability: Course may not be repeated.

GLY 441 - Structural Geology

Course Description:
Introduction to the mechanics, fabrics, and geometry of rock deformation, including stress-strain relationships, folds and folding, and faulting and fracturing of rocks. Required field trip.
Credit Hours: 4 Prerequisite Courses:
GLY 132 and GLY 310
Additional Restrictions/Requirements:
Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated. Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:

Additional Course Fee Schedule

GLY 443 - Tectonics

Course Description:

Explores ideas on plate tectonic theory including assessment of data that lead to its acceptance. Examines a broad range of tectonic principles and dynamics using modern and ancient examples, and considers controls on geological and geophysical processes from Earth's core to crust. Includes geometry of present and past plate boundaries and motions, development of plates including sea-floor spreading, subduction, and orogeny, evolution of continents and ocean basins, and tectonic driving mechanisms.

Credit Hours: 3 Prerequisite Courses:

GLY 201 or GLY 310 or GLY 441

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Crosslisting:

GLY 543

Course Repeatability: Course may not be repeated.

GLY 445 - Sedimentary Basin Analysis

Course Description:

Evaluation of factors controlling sedimentary basin formation and evolution. Interpretation of subsidence mechanisms and evaluation of sedimentary processes through basin-scale analysis of the stratigraphic record. Aspects of sequence stratigraphy, sediment provenance, and the tectonics of sedimentary basins. Field trips; fees may be required.

Credit Hours: 3 Prerequisite Courses:

GLY 331 and GLY 441

Additional Restrictions/Requirements:

Prerequisite courses or consent of instructor.

Crosslisting:

GLY 545

Course Repeatability: Course may not be repeated.

GLY 450 - Geological Oceanography

Course Description:

Physiography, petrology, structure, sediments and geologic history of the ocean floor, including estuarine and coastal environments.

Credit Hours: 4 Prerequisite Courses:

GLY 201 or GLY 205 or OCN 350

Course Repeatability: Course may not be repeated.

GLY 454 - Coastal Geomorphology

Course Description:

Provides an in-depth analysis of the coastal landforms that line the world's coasts. Understanding how these land forms are created, evolve and erode is necessary to understanding the spatiotemporal evolution of the coastal zone.

Credit Hours: 3 Prerequisite Courses:

OCN 150 or OCN 250 or GLY 101 or GLY 120 or GLY 125 or GGY 130 or EVS 195

Course Repeatability: Course may not be repeated.

GLY 460 - Advanced Stratigraphy

Course Description:

The description, organization, classification, and interpretation of layered rock successions. Aspects of both surface and subsurface analysis of stratigraphic data. The use of stratigraphic principles in elucidating earth history. Cyclic and sequence stratigraphy. Field trips; fees may be required.

Credit Hours: 3 Prerequisite Courses:

GLY 331

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Crosslisting:

GLY 560

Course Repeatability: Course may not be repeated.

GLY 465 - Introduction to Geophysics

Course Description:

Integrated application of geophysical methods to solve environmental and geologic problems. Includes discussion of reflection/refraction seismology, ground penetrating radar and gravity. Two lectures and three laboratory hours each week.

Credit Hours: 3 Prerequisite Courses:

GLY 101 and (MAT 112 or MAT 160 or MAT 152 or MAT 161)

Crosslisting:

GLY 565 .

Course Repeatability: Course may not be repeated.

GLY 470 - Field Course in Geology

Course Description:

Intensive geological field mapping in various geological settings. Capstone emphasis on prior geological knowledge, critical thinking, and problem-solving skills. Interpretation of field data and solving field-based problems in small groups under direct faculty supervision. Includes preparation of geological maps and cross sections using digital topographic map, detailed lithologic descriptions outcrop questions and local geologic history. Course fees apply. Students must register for lecture and laboratory.

Credit Hours: 4 Prerequisite Courses:

(GLY 310 or GLY 311 and GLY 416) and GLY 431 , GLY 390 , GLY 441 and GLY 471 .

Additional Restrictions/Requirements:

Prerequisite courses or consent of instructor.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated. Additional Course Fees: ["Student Blanket Professional Liability Insurance"]

Additional Fees Link:

Additional Course Fee Schedule

GLY 471 - Techniques in Applied Geology

Course Description:

A companion course to GLY 470 providing experience in advanced techniques of geologic map reading and interpretation, data and location acquisition, mineral and rock description, sketching and sampling, structural mapping, and map and cross section design and format. Field trip required. Individual and group activities required. Course fees required.

Credit Hours: 1 Prerequisite Courses:

Prerequisites: (GLY 310 or GLY 311 and GLY 416) and GLY 441 . Prerequisites or corequisites: GLY 390 and GLY 431 .

Additional Restrictions/Requirements:

Prerequisite and corequisite courses, or consent of instructor.

Course Repeatability: Course may not be repeated.

GLY 472 - Introduction to Geochemistry

Course Description:

Investigation of the abundance and distribution of chemical elements in the Earth's crust, mantle, atmosphere, hydrosphere, and biosphere. Introduction to thermodynamics, phase and mineral equilibrium, stable and radiogenic isotopes, and geochronology. Emphasizes the application of geochemical processes to solving geologic and environment problems, with selected examples from field and

laboratory studies.
Credit Hours: 3 Prerequisite Courses:
GLY 101 and CHM 101 and CHML 101 .
Additional Restrictions/Requirements:
Prerequisite courses and consent of instructor.
Crosslisting:
GLY 572
Course Repeatability: Course may not be repeated.

GLY 473 - Isotope Geochemistry

Course Description:
Introduction to the use of radio and stable isotopes for studying environmental processes; radioactive decay and the applications of radioisotopes at daily to earth history time scales; isotopic fractionation, and applications of stable isotopes in modern and paleoenvironments.
Credit Hours: 3 Prerequisite Courses:
CHM 101 and CHML 101 , and CHM 102 and CHML 102 .
Additional Restrictions/Requirements:
Prerequisite courses and consent of instructor.
Crosslisting:
GLY 573
Course Repeatability: Course may not be repeated.

GLY 480 - Advanced Topics in Geology

Course Description:
Study of selected topics in geology that are not considered in detail in regular course offerings. Examples of specific topics are plate tectonics, seismology, depositional systems, groundwater hydrology, geochronology, and advanced paleontology. Taught on demand. More than one topic may be taken for credit.
Credit Hours: 1 To 4 Additional Restrictions/Requirements:
Junior or senior standing in department and consent of instructor.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

GLY 489 - Contemporary Issues in Geoscience

Course Description:
Examines current problems based on Earth-systems approach utilizing a combination of field, laboratory, and literature study. Emphasizes application of prior geological knowledge and problem solving skills in the context of individual or small group student research projects under direct faculty supervision. Requires written

reports and oral presentations of results in approved professional format.
Credit Hours: 3 Additional Restrictions/Requirements:
Senior standing and major, and completion of 15 hours of courses in the major above the 199 level.
Course Repeatability: Course may not be repeated.

GLY 491 - Directed Individual Study

Course Description:
Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the
Depending on their interests and abilities, UNCW students may choose from several kinds of special courses and programs to individualize and otherwise enrich their studies.

- This course, designated as 491 in each department, involves investigation beyond what is offered in existing courses. To enroll in a Directed Individual Study, students must be a junior or senior. Additionally, students must have an overall grade point average of at least 2.00 and the approval of (1) the faculty member who will direct the study, (2) the departmental chairperson, and (3) the appropriate dean. Departmental criteria will include (1) the availability of the instructor (instructors may only supervise a limited number of independent studies each semester), (2) the appropriateness of and need for the proposed study in the student's program, (3) the availability of library and other research resources, and (4) the feasibility of completion of the proposed study in the allotted time. Students are limited to nine credit hours of Directed Individual Study toward graduation requirements.

- Several departments within the College of Humanities, Social Sciences, and the Arts and the professional schools offer field experience courses as part of their semester or summer programs. Participating students conduct individual or group research under faculty guidance at selected areas within and outside the continental United States. Apart from the greater Wilmington area, field experience courses have been conducted in such places as the Florida Keys, Barbados, the Bahamas, Portugal, and parts of Central and South America.

- Raymond L. Burt, *coordinator*
The German Studies Consortium links participating UNC institutions to facilitate the

sharing of teaching and learning resources to enhance German Studies across The University of North Carolina system. This consortium offers a broad array of German Studies courses in the language, literature, and culture of the German-speaking countries taught by specialists in the field. The primary focus is on the sharing of upper-level German classes offered each semester on the North Carolina Information Superhighway. Participant universities include Appalachian State University, East Carolina University, North Carolina State University, the University of North Carolina at Asheville, the University of North Carolina at Charlotte, the University of North Carolina at Greensboro, University of North Carolina Wilmington, and Western Carolina University. For course details, visit the UNC Online Exchange.

- Regina Felix, *coordinator*
  The Portuguese Exhange links participating UNC institutions to facilitate the sharing of teaching and learning resources to enhance Portuguese language and Portugurese and Brazilian Studies across the University of North Carolina system. This exchange offers courses in the language, literature, and culture of the Portuguese-speaking countries taught by specialists in the field. Participant universities include Appalachian State University, North Carolina State University, the University of North Carolina Asheville, the University of North Carolina at Chapel Hill, the Unversity of North Carolina at Charlotte, the University of North Carolina Wilmington, and Winston Salem State University. For course details, visit the UNC Online Exchange.

- Dave Graber, *coordinator*
  The Russian Studies Consortium links participating UNC institutions to facilitate the sharing of teaching and learning resources to enhance Russian Studies across The University of North Carolina system. This consortium offers a broad array of Russian Studies courses in the language, literature, history, film, society, and culture in the Russian-speaking countries, which can be taught in the target language and/or in translation by specialists with credentials in Russian Studies. The primary goal focuses on the sharing of elementary, intermediate, and upper level Russian Studies classes offered each semester as well as summer session courses on the North Carolina Information Superhighway and/or fully online.

Participant universities include Appalachian State University, East Carolina University, North Carolina State University, The University of North Carolina at Charlotte, The University of North Carolina at Greensboro, and The University of North Carolina Wilmington. Courses are offered through the UNC Online Exchange.

- Raymond L. Burt, UNCW *coordinator*
  The UNC Language Assembly is a cooperative of the language departments of all 17 campuses of the UNC System, and serves the UNC System and the State of North Carolina by supporting the foreign language programs at the constituent institutions and by seeking to offer a wide diversity of foreign language choices to the students at all the UNC campuses. Students are not required to pay tuition at the other campus, since UNCW tuition applies to these courses as well. Courses are taught online or through videoconference technology. Students can directly enroll in language classes offered by campuses through the UNC Online Exchange.

- https://uncw.edu/myuncw/academics/graduate-school/forms

Graduate Courses Taken for Undergraduate Credit

Graduate courses at UNCW or other accredited institutions may be used to fulfill undergraduate requirements if approved by the course instructor, student's department chair, undergraduate dean, and the dean of the Graduate School. All other transfer credit policies apply. Permission forms may be obtained on the Graduate School forms page under the "Undergraduate Registration for Graduate Courses" section at https://uncw.edu/myuncw/academics/graduate-school/forms.

Graduate Course Taken as an Undergraduate to Later Apply to a Graduate Degree

Undergraduate students who wish to take graduate courses and later receive graduate credit for them must fill out a Docusign to obtain permission in advance from the course instructor, student's department chair and undergraduate dean, and the Graduate School for approval. Graduate courses taken under this provision may not be used to fulfill undergraduate degree requirements. Permission forms may be obtained on the Graduate School form page under the "Undergraduate Registration for Graduate Courses"
section https://uncw.edu/myuncw/academics/graduate-school/forms.

Credit for Approved Combined Degree Programs

Graduate courses used to fulfill an undergraduate degree requirement at UNCW may be applied to a graduate degree only when taken as part of an approved combined degree program. Courses applied toward an awarded degree may not be applied to a second degree except as described by specific degree programs.

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https://www.uncw.edu/global/
The Office of Global Partnerships and International Education is comprised of three units: Education Abroad, English Language Center, and the Office of International Students & Scholars.

Education Abroad

UNCW offers more than 800 education abroad opportunities in more than 50 countries. Options available include coursework taken abroad, international

internships for academic credit, credit-bearing service-learning experiences, academic research, and virtual global learning opportunities. UNCW provides education abroad opportunities to suit nearly every major and credit earned through international programs may be applied towards a UNCW degree. Financial aid may be used in conjunction with education abroad programs and scholarships are available. Students may select from short-term and summer programs, as well as semester, year-long and two-year dual degree options.

All applications for any credit-bearing program abroad must be made through the Office of Global Partnerships and International Education.

UNCW students who study abroad retain their active UNCW student status and will not have to re-enroll upon return.

Eligibility requirements include:

- 18 years of age at the time of participation
- Good disciplinary standing
- 2.5+ cumulative grade point average
- Sophomore+ status (select programs are open to first-year students)
- Any program-specific requirements
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Several programs in the College of Humanities, Social Sciences, and the Arts, College of Science and Engineering, College of Education, College of Health and Human Services, and the Cameron School of Business offer students the opportunity to earn academic credit within a work environment external to the program. The purpose of the internship experience is to enhance, supplement, and integrate the learning that occurs in formal classroom settings. Permission of the dean and program offering the internship is required to enroll, and the program places limits on the number of credit hours earned applicable toward graduation. Internships designated by a 498 number will be graded on a Pass (P), Fail (F) basis. These credit hours earned will count towards the number of hours required to graduate, but the grade of Pass (P) will be excluded from the computation of the GPA. For further information on internships, refer to the courses numbered 498 in the course listings and then contact the departments offering them.

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The North Carolina Child Welfare Education Collaborative is a university-agency partnership that ensures a quality work force in child welfare settings. The educational goal of this program is to directly address the workforce need for social

workers in child welfare settings. Administered by the Jordan Institute for Families, the collaborative includes North Carolina social work education programs, the NC Division of Social Services, the NC Association of County Directors of Social Services and the NC Chapter of the National Association of Social Workers. Educating, training, and supporting current and future social workers in child welfare meets the goal of strengthening families and protecting children. The collaborative offers focused educational courses, training and field experience in child welfare agencies. Participating universities include Appalachian State University, University of North Carolina at Chapel Hill, East Carolina University, North Carolina State University, Joint Masters of Social Work Program at University of North Carolina at Greensboro and North Carolina Agricultural and Technical State University, and University of North Carolina Wilmington.

- The Reverse Transfer Program is a collaborative effort between North Carolina's Community Colleges and the University of North Carolina's 16 constituent institutions. Students who transfer to UNC Wilmington from one of the 58 North Carolina community colleges are given the opportunity to combine the credits earned at UNCW with credit already earned at the community college to determine if the associate degree requirements have been met. Students have the opportunity to opt-in to this program at the time of admission as a transfer student. There is no cost to participate. For more information, contact the Office of the Registrar.
  Eligibility: Students must have earned at least 16 college-level credit hours at one community college applicable towards their degree, to be eligible to participate. After earning a total of 60 combined credits, the student's UNCW records will be sent back to their previous community college for evaluation. The community college will contact students via their UNCW email, with further details, if the Associate degree is awarded.

- Several UNCW courses employ service-learning opportunities. Service learning is an innovative method of teaching and learning that combines thoughtfully organized service to the community with other means of instruction. Community service-projects are integrated into and enhance the academic curriculum of students, fitting naturally into the philosophy and pedagogy of a variety of disciplines and fostering civic responsibility. Both students and the community benefit from service

learning. Service-learning courses have several strengths, not the least of which is that they are adaptable to the needs of the community while providing structured time for the students to reflect on the service experience.

section in this catalogue.
Credit Hours: 1 To 3 Additional Restrictions/Requirements:
Junior or senior standing, overall GPA of at least 2.00, and consent of instructor, department chair and dean.
University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

GLY 494 - International Field Experience in Geology

Course Description:
Geologic field methods and investigations in international settings. Focused study on tectonic environments and natural resource and hazard issues. Includes lectures and readings, faculty-led trips, and applied learning projects.
Credit Hours: 1 To 6 Prerequisite Courses:
Permission of instructor.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

GLY 495 - Senior Seminar

Course Description:
Includes oral presentations and computer applications in Geology.
Credit Hours: 1 To 3 Additional Restrictions/Requirements:
Senior standing and major, and completion of 18 hours in the major from courses at the 200-level and above.
University Studies: ["Building Competencies/Information Literacy"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 3 Repeat Limit: 1

GLY 498 - Internship in Geology

Course Description:
Practical training experience with agency or business conducting geological services. Jointly evaluated by geology faculty member and on-site supervisor.
Credit Hours: 1 to 6 Additional Restrictions/Requirements:
Junior or senior standing and major, minimum GPA 2.50 overall, and consent of instructor.
University Studies: ["Explorations Beyond the Classroom", "Common Requirements/Critical Reasoning"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Repeat Limit: 1 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:

Additional Course Fee Schedule

GLY 499 - Honors Work in Geology

Course Description:

Individual study for honors students.

Credit Hours: 2 To 3 Additional Restrictions/Requirements:

Eligibility for honors program and recommendation of department chairperson.

University Studies: ["Building Competencies/Writing Intensive", "Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link: Additional Course Fee Schedule

GLYL 100 - Earth Systems Laboratory

Course Description:

Survey level laboratory exploration of earth materials, atmospheric and ocean environments, surficial processes, climate change, and their impacts on society. Designed to complement lecture content in introductory earth science courses but can be taken as a stand-alone course.

Credit Hours: 1 University Studies: ["Approaches and Perspectives: Scientific Approaches to the Natural World"] Course Repeatability: Course may not be repeated.

GLYL 101 - Earth Revealed Laboratory

Course Description:

Introduction to applied use of rock and mineral samples, maps, and models in geology. Topics include plate tectonics, mineral and rock identification and resources, geologic time, mountain building, earthquakes, volcanoes, river processes and flooding, groundwater, coastal processes and storms, energy, and climate change.

Credit Hours: 1 Prerequisite or Corequisite Courses:

GLY 101 .

University Studies: ["Approaches and Perspectives: Scientific Approaches to the Natural World"] Course Repeatability: Course may not be repeated.

GLYL 120 - Environmental Geology Lab

Course Description:

Laboratory analysis of earth materials and resources. Applications of geologic principles to solving current environmental problems.

Lab:

This course is the lab for GLY 120 .

Credit Hours: 1 Prerequisite Courses:

Prerequisite or corequisite: GLY 120 .

University Studies: ["Approaches and Perspectives/Scientific Approaches to the Natural World"] Course Repeatability: Course may not be repeated.

GER 101 - Introductory German I

Course Description:

Not open to native or heritage speakers. Emphasis on achievement of an active command of the language. Aural-oral practice, intensive study of the basic patterns of spoken German; reading, writing and basic conversation. For students with one unit or less of high school German.

Credit Hours: 3 University Studies: ["Foundations/Foreign Language"] Course Repeatability: Course may not be repeated.

GER 102 - Introductory German II

Course Description:

Not open to native or heritage speakers. Emphasis on achievement of an active command of the language. Aural-oral practice, intensive study of the basic patterns of spoken German; reading, writing and basic conversation.

Credit Hours: 3 Prerequisite Courses:

GER 101

University Studies: ["Foundations/Foreign Language"] Course Repeatability: Course may not be repeated.

GER 201 - Intermediate German I

Course Description:

Not open to native or heritage speakers. Emphasis on achievement of an active command of the language. Aural-oral practice, intensive study of complex patterns of spoken German, reading, writing, and basic conversation.

Credit Hours: 3 Prerequisite Courses:

GER 102

University Studies: ["Foundations/Foreign Language"] Course Repeatability: Course may not be repeated.

GER 202 - Intermediate German II

Course Description:

Not open to native speakers. A review of the grammatical structure of the language. Application of the language in composition, conversation, and readings. Intensive work on increasing vocabulary, idiomatic usage, and overall accuracy.

Credit Hours: 3 Prerequisite Courses:

GER 201

University Studies: ["Approaches and Perspectives/Living in a Global Society", "Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

GER 209 - German Literature in Translation: Topics

Course Description:

Study of representative works of literature from the German-speaking world. Readings and class discussions in English. May be repeated under different subtitles. A maximum of 3 hours can be applied toward the major.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

GER 294 - German Study Abroad I

Course Description:

Lower division level of special topics relating to the German-speaking world taken abroad from UNCW faculty or as a transfer credit. Course may be repeated under different subtitles.

Credit Hours: 1 To 6 University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

GER 301 - Advanced German

Course Description:

Not open to native speakers. Continued review of the grammatical structure of the language. Application of the language in composition, convention, and reading. Intensive work on increasing vocabulary, idiomatic usage, and overall accuracy. Development of advanced language proficiency. Culmination of the lower-level language sequence.

Credit Hours: 3 Prerequisite Courses:

GER 202

University Studies: ["Approaches and Perspectives/Living in a Global Society", "Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

GER 302 - Advanced German II

Course Description:

Continued review of the grammatical structure of the language. Application of the language in composition, conversation, and reading. Intensive work on increasing vocabulary, idiomatic usage, and overall accuracy. Development of advanced language proficiency.

Credit Hours: 3 Prerequisite Courses:

GER 301

Additional Restrictions/Requirements:

Instructor permission required.

Course Repeatability: Course may not be repeated.

GER 306 - Advanced Grammar

Course Description:

Grammatical forms and usage.

Credit Hours: 3 Prerequisite Courses:

GER 301

Course Repeatability: Course may not be repeated.

GER 307 - Text and Context

Course Description:

Not open to native speakers. Introduction to humanistic inquiry and critical thinking through close examination of German literary texts in their broader cultural context. Extensive reading, writing, and discussion. Can be repeated under different subtitles.

Credit Hours: 3 Prerequisite Courses:

GER 301

University Studies: ["Building Competencies/Writing Intensive", "Building Competencies/Information Literacy"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

GER 311 - German Civilization

Course Description:

Geographical, historical, political and cultural aspects of Germany from the beginnings to the twentieth century.

Credit Hours: 3 Prerequisite Courses:

GER 301

Course Repeatability: Course may not be repeated.

GER 321 - Introduction to German Literature

Course Description:

Selected readings covering the main currents of German, Austrian, and Swiss literature. Emphasis on textual analysis and criticism in classroom discussions; oral and written reports.

Credit Hours: 3 Prerequisite Courses:

GER 301

University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives"] Course Repeatability: Course may not be repeated.

GER 322 - History of the German Language

Course Description:

Introduction to the history of the German language, from its Indo-European roots through the present. Study of the historical, social, and cultural context that shaped the German language and its dialects, major linguistic changes that separate German from other Germanic and Indo-European languages and that characterize Modern Standard German as opposed to various German dialects. Taught in German.

Credit Hours: 3 Prerequisite Courses:

GER 307

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated.

GER 331 - Fairy Tales: From Grimms to Disney

Course Description:

German fairy tales of the Romantic era, including both literary fairy tales and folk fairy tales. Comparisons to other fairy tale traditions and adaptations. Attention to the literary, feminist, and historical elements of the fairy tale genre. Taught in English.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

GER 332 - Germans and the New World

Course Description:

Examination of German fantasies of and experiences in the Americas from the 1700s through today. Includes diaries, travel narratives, drama, fiction, poetry, film, political tracts, advertising, and propaganda. Taught in English.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

GER 333 - The Romance of King Arthur in Literature and Film

Course Description:

Exploration of the legend of King Arthur from its medieval roots to modern literature and film. Contribution of the German-speaking tradition to the pan-European myth. Arthurian romance as the vehicle of ideas and ideals about utopia, charismatic leadership, love, and betrayal. Traces the ways a myth is created, employed, and transmitted over centuries by means of textual and historical analysis. Taught in English.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

GER 394 - German Study Abroad II

Course Description:

Junior-level designation for non-catalogue courses offered by a department abroad.

Course may be repeated under different subtitles.
Credit Hours: 1 To 6 University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

GER 491 - Directed Individual Study

Course Description:
Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.
Credit Hours: 1 To 3 Additional Restrictions/Requirements:
Junior or senior standing, overall GPA of at least 2.00, and consent of instructor, department chair and dean.
University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

GER 494 - German Study Abroad III

Course Description:
Upper division level of specialized topics relating to the German-speaking world taken abroad from UNCW faculty or as transfer credit. Course may be repeated under different subtitles.
Credit Hours: 1 To 6 University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

GER 495 - Seminar in German Studies

Course Description:
Intensive study of a selected topic in German Studies. May be repeated under a different subtitle. Possible topics include "Fairy Tales / Marchen", "Legacies of the Enlightenment", and "The German Novella".
Credit Hours: 3 Prerequisite Courses:
GER 307
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

GER 496 - Topics in German Studies

Course Description:
Intensive study of a selected topic in German Studies. Taught by faculty at other UNC-system schools though the NC German Studies Consortium (live video conferencing). May be repeated under a different subtitle. Possible topics include "Goethe's Faust" and "Current Issues in the German Media".
Credit Hours: 3 Prerequisite Courses:
GER 307

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

GER 498 - Internship in German

Course Description:

A program of work and study conducted within an agency and/or setting that provides practical experience with observation and application of foreign language skills.

Credit Hours: 3 Additional Restrictions/Requirements:

Junior or senior standing and consent of instructor.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:

Additional Course Fee Schedule

GER 499 - Honors Work in German Studies

Course Description:

Independent study for honors students.

Credit Hours: 2 To 3 Additional Restrictions/Requirements:

Junior or senior standing, eligibility for honors program and at least 6 hours of German studies courses at the 300-400 level.

University Studies: ["Competencies/Writing Intensive", "Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

GRN 101 - Introduction to Gerontology

Course Description:

Introduction to the social, psychological, physiological, and philosophical aspects of aging through reading, writing, and fieldwork.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in Our Diverse Nation"] Course Repeatability: Course may not be repeated. Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:

Additional Course Fee Schedule

GRN 422 - Family Health and Aging

Course Description:

Study of family systems theory, paradigms for caregiving, illness and life-stage challenges for caregiving, and the interface between formal caregivers and caregiving families.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

GRN 424 - Cultural Representations of Aging

Course Description:

This course includes the study of various representations of aging, including fine art,

films, novels, poetry, and more. We will compare and contrast such creative representations of aging with scientific (e.g., scholarly literature) ways of knowing about aging. Through engaging bio-psycho-social-humanities frameworks to explore aging-related phenomena, students will develop a well-rounded understanding of a variety of topics.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

GRN 440 - Current Issues in Gerontology

Course Description:

Study of current issues and topics in the field of aging from an interdisciplinary and global perspective with participation in a service-learning project.
Credit Hours: 3 Course Repeatability: Course may not be repeated. Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

GRN 446 - Health Care Access for Older Adults

Course Description:

An introduction to the U.S. health care system with an emphasis on issues related to older adults, including problems of access to health care for the aging population, their families, and communities.
Credit Hours: 3 Prerequisite Courses:

GRN 101

Additional Restrictions/Requirements:

Junior or senior standing.

Crosslisting:

GRN 546 , RTH 546

Course Repeatability: Course may not be repeated.

GRN 486 - Interprofessional Collaboration: Careers in Aging

Course Description:

A theoretical and applied examination of existing professional careers in gerontology and those that might exist in the future.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

GRN 491 - Directed Individual Study

Course Description:

Gerontological investigation, under faculty supervision, beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.
Credit Hours: 1 To 3 Prerequisite Courses: GRN 101 Additional Restrictions/Requirements:

Prerequisite course, overall GPA of at least 2.00, and consent of instructor, gerontology coordinator, and the appropriate dean.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

GRN 495 - Topical Seminar in Gerontology

Course Description:

Discussion of selected topics in Gerontology.
Credit Hours: 3 Prerequisite Courses: GRN 101 Additional Restrictions/Requirements:
Prerequisite course and consent of instructor.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 9

XX 000 - Graduate Course Reference

Course Description:

Please see the Graduate catalogue for a course description. The Graduate catalogue can be accessed using the dropdown navigation bar located at the top right of your screen.

HEA 105 - Individual Well-Being

Course Description:

Topical areas and issues in health explored within the physical, emotional, social, environmental, intellectual, and spiritual dimensions of personal wellness.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

HEA 205 - Human Sexuality

Course Description:

Taught from a health educator perspective, focusing on empirically based information covering: human sexual response, development of sex roles and orientation, reproduction, birth control, and STI's. Provides opportunities for students to review their beliefs in the context of the historic, cultural and social factors that impact how we perceive sexuality.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

HEA 207 - Nutrition and Behavior

Course Description:

Application of the principles of nutrition as related to health; various levels of wellness; and practices of health care. Emphasis on basics of sound nutrition, requirements of various food elements, diet planning, diet patterns for specific age groups, nutritional fads and weight control.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

HEA 210 - Substance Abuse Prevention

Course Description:

Prevention education methods and strategies for substance abuse prevention for all age groups and diverse populations. Special emphasis on evidence-based prevention strategies including both curriculum-based and community-programming tactics. Students will work with outside agencies to review current use of substance abuse prevention programs.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

HEA 234 - Principles of Health Education

Course Description:

An introduction to health education program planning, implementation, and evaluation in various health promotion settings. Focuses on responsibilities and strategies of entry-level health educators.

Credit Hours: 3 Crosslisting:

PBH 234

Course Repeatability: Course may not be repeated.

HEA 240 - Current Topics in Health

Course Description:

Survey of health topics including a historical overview, trends in disease and prevention efforts in the United States, culture and the impact of advertising and marketing efforts, and ethical considerations. Topics will vary and will focus on the health education model for disease prevention.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

HEA 245 - Consumer Health

Course Description:

Survey of consumer health topics such as the purchase of health-care products and services, choosing quality health care, and how to identify and use reliable sources of information.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

HEA 266 - Applications of Computers in Physical Education and Health

Course Description:

Introduction to technology for students in physical education and health. Topics include microcomputer operations, computer software applications, the Internet, distance learning technologies and ethics of computer use.

Credit Hours: 3 Additional Restrictions/Requirements:

Open to declared physical and health education majors only, or consent of instructor.

Crosslisting:

EXS 266 , PED 266

Course Repeatability: Course may not be repeated.

HEA 300 - Mental and Emotional Health

Course Description:

An integrated approach to mental and emotional health examining the cognitive, emotional, and social dimensions of mental health. An introduction to common mental disorders, their causes, and treatment. Special focus on the emotional and mental health issues of adolescence.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

HEA 301 - Community Health

Course Description:

Overview of social, health, and medical problems of modern society, with special emphasis on community programs for solving them. Study of programs of official and voluntary health agencies, designed to promote and protect the health of citizens, observed through field trips, discussed by guest lecturers, and studied through other forms of enrichment.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

HEA 304 - Comprehensive School Health Education, Grades K-12

Course Description:

An overview of the school health education program. Emphasis on methods and materials for health instruction in grades K-12.

Credit Hours: 3 Course Repeatability: Course may not be repeated. Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

HEA 305 - Health Program Planning/Intervention Strategies

Course Description:

Information and skills health educators need to plan, implement, and evaluate education strategies in public, private, professional, and governmental health agencies.

Credit Hours: 3 Crosslisting:

PBH 305

Course Repeatability: Course may not be repeated.

HEA 320 - Foundations in Global Health

Course Description:

Overview of the world. The class will explore contemporary issues, problems, and controversies in global health and identify key global health challenges, their distribution, and prevention strategies.

Credit Hours: 3 Crosslisting:

PBH 320

Course Repeatability: Course may not be repeated.

HEA 325 - Health and Aging

Course Description:

An introduction to health characteristics of the aging population. Topics include biomedical changes of various body systems and lifestyle factors such as nutrition, stress, drugs, exercise and sexuality. Field experience required.

Credit Hours: 3 Prerequisite Courses:

GRN 101

Course Repeatability: Course may not be repeated.

HEA 351 - Health Communications

Course Description:

Introduction to formulation of effective health communication strategies, including retrieval, management and utilization of new technologies; basic health communication literacy; theory utilization; presentation skills; multimedia and other media technological applications ethical; legal and academic issues in health communications.

Credit Hours: 3 Crosslisting:

PBH 351

Course Repeatability: Course may not be repeated.

HEA 355 - Measurement and Evaluation in Health Education

Course Description:

Principles of measurement and evaluation including instrument construction, and an examination of concepts and strategies involved with measurement and evaluation in health education.

Credit Hours: 3 Crosslisting:

PBH 355

Course Repeatability: Course may not be repeated.

HEA 359 - Research and Evaluation in Health, Physical

Education, and Recreation

Course Description:

Methods of research in the fields of health, physical education and recreation. Identification of problems, sampling methods, data analysis and interpretation, and planning of evaluation studies.

Credit Hours: 3 Prerequisite Courses:

HEA 355

Crosslisting:

PED 359 , EXS 310 , PBH 359

Course Repeatability: Course may not be repeated.

HEA 435 - Organization and Administration in Health Education

Course Description:

Administration of health education in a variety of settings. Content includes program planning, implementation, and evaluation, budgets and the role of government and private agencies for leadership in health education.

Credit Hours: 3 Additional Restrictions/Requirements:

Majors only or consent of instructor.

Course Repeatability: Course may not be repeated.

HEA 440 - Advanced Topics in Health

Course Description:

Examination of selected current and emerging health topics including cardiovascular diseases, cancer, HIV/AIDS, and death and dying.

Credit Hours: 3 Prerequisite Courses:

HEA 240

Course Repeatability: Course may not be repeated.

HEA 452 - Epidemiology and Concepts of Human Disease

Course Description:

Study of the distribution, determinants, and prevention of disease with emphasis on biological, environmental, cultural, and psychological impacts on health and illness.

Credit Hours: 3 Additional Restrictions/Requirements:

Junior or senior standing and major or minor, or consent of instructor.

Crosslisting:

PBH 452

Course Repeatability: Course may not be repeated.

HEA 465 - Exercise, Performance and Nutrition

Course Description:

Relationship of exercise, physical activity and performance to human nutrition. In depth information on human energy systems, weight control and proper dieting. Intermediate and cellular metabolism in relation to nutrition and overall health.
Credit Hours: 3 Prerequisite Courses:
(EXS 216 or BIO 240) and BIOL 240
Course Repeatability: Course may not be repeated.

HEA 466 - Introduction to Therapeutic Nutrition

Course Description:
Examination of the relationship between diet and chronic disease in the United States. Also introduces basic concepts of medical nutrition therapy and how these are addressed in a health care setting.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

HEA 491 - Directed Individual Study

Course Description:
Involves investigation under faculty supervision beyond what is currently offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.
Credit Hours: 1 To 6 Additional Restrictions/Requirements:
Junior or senior standing, overall GPA of at least 2.50, and consent of instructor.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

HEA 497 - Pre-Internship Seminar

Course Description:
This course prepares students for their Internship placement. Students will prepare their portfolios, work on professional skills, and identify their internship placements.
Credit Hours: 1 Additional Restrictions/Requirements:
Senior standing or consent of instructor.
Course Repeatability: Course may not be repeated.

HEA 498 - Internship in Community Health Education

Course Description:
Supervised internship placement in the community. Applies theory to practical application in Community Health Education. Requires a minimum of 300 hours of supervised fieldwork. Majors / Concentrations only or permission of instructor.
Credit Hours: 5 Prerequisite Courses: HEA 497 Additional Restrictions/Requirements:
Senior standing.
University Studies: ["Explorations Beyond the Classroom/Certified Internship Program"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 5 Additional Course Fees:

["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

HFE 221 - First Aid and Injury Care

Course Description:

This course is designed to introduce students to the mechanisms, underlying prevention, and care of various injuries and illnesses associated with an active lifestyle. Topics include: emergency procedures, legal concerns and injury prevention and care. It also includes instruction to potentially obtain certification in the following: CPR/AED for the Healthcare Provider.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

HFE 235 - Foundations of Health and Physical Education

Course Description:

Introductory course in the Health and Applied Human Sciences teacher education program that examines historical, sociological, and philosophical foundations of health and physical education. The course addresses past and current trends in K-12 health and physical education. The course introduces the national and state education standards for healthful living.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

HFE 294 - Healthful Living and Fitness Education Study Abroad I

Course Description:

This course provides Healthful Living and Fitness Education undergraduate study abroad opportunities.

Credit Hours: 1 To 6 University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated.

HFE 300 - Principles of the edTPA: Teacher Performance Assessment

Course Description:

This course provides Healthful Living Education majors with opportunities to apply content and skills from their education coursework to teacher licensure assessments such as the edTPA. The course focuses on how teacher candidates can use educational theory, health behavior theory, academic language, differentiation, and developmentally appropriate practices to be successful in obtaining a teaching license in the state of North Carolina. Co-requisite: HEA 304 OR HFE 386.

Credit Hours: 1 Corequisite Courses:

HEA 304

Additional Restrictions/Requirements:

Restricted to Healthful Living and Fitness Education majors, K-12 Teacher Licensure Track.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 1 Major Restriction: Healthful Living and Fitness Education

HFE 336 - Coaching, Sport, and Society

Course Description:

The application of philosophical and psychological knowledge and principles to the administration and coaching of sports. This course also explores the role of sports around the world, and how the games we watch and play shape identity, culture, and society.

Credit Hours: 3 Course Repeatability: Course may not be repeated. Additional Course Fees: ["None"]

HFE 345 - Childhood Obesity

Course Description:

Focuses on the methods used in the assessment, prevention and treatment of childhood obesity. In addition, this course will examine the etiology of obesity and the role that human behaviors and an active lifestyle play in the overall health and well-being of children.

Credit Hours: 3 University Studies: ["Understanding Human Institutions and Behaviors"] Course Repeatability: Course may not be repeated.

HFE 348 - Practicum in Lifetime Fitness and Health

Course Description:

Supervised practicum in a health and fitness setting. Relates theory to practical application in the field. Placements chosen from community, commercial, personal training, fitness and sports settings for people of all ages. Requires a minimum of 100 hours of field work.

Credit Hours: 3 Prerequisite Courses:

HFE 390 with a C- or better or PED 390 with a C- or better.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

HFE 350 - Motor Behavior

Course Description:

Motor skill acquisition, control, and performance. Physiological and psychological principles of human growth and development. Includes analysis of the sequential progression of fundamental motor skills from infancy through adulthood with primary focus on school-age children.

Credit Hours: 3 Prerequisite Courses:

(BIO 240 with a C- or better and BIOL 240 with a C- or better) or (EXS 216 with a C- or better and EXSL 216 with a C- or better).

Course Repeatability: Course may not be repeated.

HFE 385 - Health and Physical Education Curriculum Development

Course Description:

Provides conceptual tools and analytical skills essential to planning, implementing, and evaluating instruction. The design of instruction that incorporates behavioral, cognitive and constructivist theories of learning and views of curriculum will be considered. Provides the student with the knowledge, skills and resources to develop curricular materials consistent with state and national guidelines.

Credit Hours: 3 Prerequisite Courses:

HFE 235 with a C- or better or PED 235 with a C- or better.

Course Repeatability: Course may not be repeated.

HFE 386 - Physical Activity Pedagogy I

Course Description:

Provides students theory, technique, and methods of developing and implementing developmentally appropriate healthful living for grades K-5. Emphasis on teaching effectiveness, planning, writing learning objectives, integration of technology and contemporary curricular models. Field experience is required.

Credit Hours: 4 Prerequisite Courses:

HFE 235 with a C- or better or PED 235 with a C- or better.

Course Repeatability: Course may not be repeated.

HFE 387 - Physical Activity Pedagogy II

Course Description:

Provides students theory, technique, and methods of developing and implementing developmentally appropriate healthful living for grades 6-12. Emphasis on teaching effectiveness, planning, writing learning objectives, integration of technology and contemporary curricular models. Field experience is required.

Credit Hours: 0 Prerequisite Courses:

HFE 235 with a C- or better or PED 235 with a C- or better.

University Studies: ["Critical Reasoning"] Course Repeatability: Course may not be repeated.

HFE 390 - Advanced Concepts of Personal Training

Course Description:

This course provides students with the necessary theoretical competencies required

of a qualified personal trainer. Each content domain covered on the NCSF national certification exam is supported by activities and teaching strategies so students may successfully challenge the NCSF-CPT exam upon completion of the program.
Credit Hours: 3 Prerequisite Courses:

EXS 216 and EXSL 216

Course Repeatability: Course may not be repeated.

HFE 391 - Health Behavior Theory Applications

Course Description:

The course will utilize authentic application of health behavior theory constructs to current health issues and trends (nutrition, physical activity, obesity, safer sex practices, alcohol, tobacco, and other drugs) to improve teaching and behavior modification effectiveness.
Credit Hours: 3 University Studies: ["Understanding Human Institutions and Behaviors"] Course Repeatability: Course may not be repeated.

HFE 410 - Seminar in Physical Education

Course Description:

Culmination of professional study and initiation into student teaching and the teaching profession. Provides opportunities to extend and apply understandings of the roles of the teacher as a decision-maker, particularly in the areas of planning, instruction, management, and evaluation.
Credit Hours: 1 Prerequisite or Corequisite Courses:

EDN 409 with a C- or better.

Course Repeatability: Course may not be repeated.

HFE 415 - Adapted Physical Activity

Course Description:

Provide students theoretical and practical knowledge to plan and implement appropriate physical activity programs for individuals with disabilities in integrated and inclusive settings.
Credit Hours: 0 Prerequisite Courses:

(EXS 216 with a C- or better and EXSL 216 with a C- or better) or (BIO 240 with a C- or better and BIOL 240 with a C- or better).

Additional Restrictions/Requirements:

Senior standing, prerequisite courses, or consent of instructor.

University Studies: ["Writing Intensive", "Information Literacy"] Course Repeatability: Course may not be repeated. Additional Course Fees: ["Additional Fee - General Professional Internship Liability Insurance"] Additional Fees Link:

Additional Course Fee Schedule

HFE 491 - Directed Independent Study

Course Description:

Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.

Credit Hours: 1 To 3 Additional Restrictions/Requirements:

Junior or senior standing. Overall GPA of at least 2.0, and consent of instructor, department chair, and dean.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

HFE 494 - Healthful Living and Fitness Education Study Abroad II

Course Description:

This course provides Healthful Living and Fitness Education advanced undergraduate study abroad opportunities.

Credit Hours: 1 To 6 Additional Restrictions/Requirements:

Instructor approval

Course Repeatability: Course may be repeated.

HST 101 - Europe in the World I

Course Description:

Introduction to pre-modern European history, from the development of the first city-states in the Near East, through the rise of Athens and Rome, and concluding with the Middle Ages and Early Modern Period. Specific attention is given to the globally interconnected nature of European history.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Historical and Philosophical Approaches", "Approaches and Perspectives/Living in a Global Society"] Course Repeatability: Course may not be repeated.

HST 102 - Europe in the World II

Course Description:

Introduction to modern European history. Examination of Europe's transformations and global interactions through the discussion of significant events, groups, and individuals that contributed to developments such as the French Revolution and the rise of democracy, the Industrial Revolution and the modern economy, world wars and dictatorships.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Historical and Philosophical Approaches", "Approaches and Perspectives/Living in a Global Society"] Course Repeatability: Course may not be repeated.

HST 103 - Introduction to Global History 1500-1848

Course Description:

The political, economic, cultural, religious, and environmental processes that transformed the world between 1500 and 1848. Examines the Columbian (biological) Exchange, formation of colonial empires, expansion of global religions, and emergence of global trade and slave trade.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Historical and Philosophical Approaches", "Approaches and Perspectives/Living in a Global Society"] Course Repeatability: Course may not be repeated.

HST 104 - Introduction to Global History Since 1848

Course Description:

Historical events, peoples, and places as well as the transformation of global systems. Examines the effects of industrialization, imperialism, nationalism, world wars, the Cold War, communism, and globalization on contemporary societies.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Historical and Philosophical Approaches", "Approaches and Perspectives/Living in a Global Society"] Course Repeatability: Course may not be repeated.

HST 105 - United States to 1865

Course Description:

American history from the pre-colonial period to the beginning of Reconstruction. Examines the impact of the country's cultural diversity through the study of the arts, law, politics, war, religion, technology, immigration, and the emergence of regional economic systems.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Historical and Philosophical Approaches", "Approaches and Perspectives/Living in Our Diverse Nation"] Course Repeatability: Course may not be repeated.

HST 106 - United States from 1865 to Present

Course Description:

The history of the United States since the Civil War. Examines the development of American political, social, and cultural systems, foreign policy, and the emergence of the United States as a world power.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Historical and Philosophical Approaches", "Approaches and Perspectives/Living in Our Diverse Nation"] Course Repeatability: Course may not be repeated.

HST 107 - Warfare in World History

Course Description:

Survey of war as a transformational force in world history from the ancient Mediterranean to the modern, globalized world. Includes how technology, politics, environment, climate, geography, and economics have impacted war. Examines how societies have waged war, responded to war, and been influenced by war.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Historical and Philosophical Approaches", "Approaches and Perspectives/Living in a Global Society"] Course Repeatability: Course may not be repeated. Additional Course Fees: ["None"]

HST 111 - History of Science I: Antiquity to the Scientific Revolution

Course Description:

History of science from antiquity (ancient Babylon and Greece) to the 17th century. Topics include the rise of natural philosophy in Greece, medieval universities, Copernicus and the 16th century revolution in astronomy, Renaissance medicine and anatomy, and Isaac Newton's mathematical study of gravitation.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Historical and Philosophical Approaches"] Course Repeatability: Course may not be repeated.

HST 112 - History of Science II: Modern Science

Course Description:

Growth and development of modern science. Topics include Darwin's theory of evolution, Einstein's special and general relativity, quantum mechanics, wartime science, the discovery of DNA, and the impact of science and technology on modern society.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Historical and Philosophical Approaches"] Course Repeatability: Course may not be repeated.

HST 113 - The Jews: From the Bible to the Inquisition

Course Description:

Survey of Jewish history from antiquity to 1492, with particular attention to the Jewish encounter with the Roman, Islamic, and European civilizations.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Historical and Philosophical Approaches"] Course Repeatability: Course may not be repeated.

HST 114 - The Jews: From the Inquisition to Israel

Course Description:

Survey of Jewish history from the expulsion of the Jews from Spain to the modern era. Examination of how the different Jewish communities worldwide have met the challenges of a modernizing world. Topics include emancipation, religious reform and secularization, mass migrations, anti-Semitism, the Holocaust, and the founding

of modern Israel.
Lab:
3
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Historical and Philosophical Approaches"] Course Repeatability: Course may not be repeated.

HST 116 - Women, Gender and Sexuality in America

Course Description:
Survey of U.S. history from mid-nineteenth century to the present focused on women, gender, and sexuality. Covers major changes in American attitudes, ideologies, and actions regarding the status and accomplishments of women, as well as broader shifts in perceptions of sex and gender. Focuses on social movements, laws and perceptions regarding sexuality, and changes in the acceptance of birth control.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Historical and Philosophical Approaches"] Course Repeatability: Course may not be repeated.

HST 119 - History of Medicine

Course Description:
Survey of the history of medicine that covers the major intellectual, social, and cultural contexts foundational for our modern understanding of health and health care.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

HST 120 - Medical Humanities

Course Description:
Introduction to the various disciplines, methods, and perspectives of medical and health humanities.
Credit Hours: 1 Course Repeatability: Course may not be repeated.

HST 190 - History Unlimited: A Short History of Nearly Everything

Course Description:
Multi-disciplinary course designed to cover the history of the universe from the big bang until today. Draws on perspectives and methods of both anthropology and history. Topics include the physical structure and composition of the the earth, how it was formed, the emergence of life with particular focus on the evolution of humans, the organiztion and development of human societies, analysis of important historical periods such as agricultural, scientific and industrial revolutions. This course does not fulfill requirements towards either the history or the anthropology majors.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in a Global Society",

"Explorations Beyond the Classroom"] Crosslisting:

ANT 190

Course Repeatability: Course may not be repeated.

HST 250 - North Carolina Indians

Course Description:

North Carolina Indian history from pre-Columbian times to present day. Topics include identity of North Carolina Indians; social, religious, political, and economic life; gender roles; European and American interaction; development of state and federal policy and Indian response; status of Indians in contemporary North Carolina and United States.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in Our Diverse Nation"] Course Repeatability: Course may not be repeated.

HST 260 - African-American History

Course Description:

Survey of the major themes and events in the history of African-Americans from the colonial period to the present.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in Our Diverse Nation", "Approaches and Perspectives/Historical and Philosophical Approaches"] Course Repeatability: Course may not be repeated.

HST 270 - Global Issues in Historical Perspective

Course Description:

Selected themes and events in international or global history, with particular attention to cultural, intellectual, and/or economic exchanges between the 'West' and the wider world. Topics include: Society and the Supernatural, International Slave Trade. May be repeated under different subtitles.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in a Global Society", "Approaches and Perspectives/Historical and Philosophical Approaches"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

HST 271 - U.S. Topics in Historical Perspective

Course Description:

Historical periods or selected themes of special interest in U.S. history from the 17th century to present. Topics include the Civil War, Vietnam War, film and history, slave trade and slavery, and environmental history.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in Our Diverse Nation"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

HST 290 - The Practice of History

Course Description:

An exploration of the nature of historical inquiry and of the techniques and methods essential to the study and writing of history.

Credit Hours: 4 University Studies: ["Building Competencies/Writing Intensive/Information Literacy", "Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated.

HST 291 - Directed Historical Research

Course Description:

Directed historical research in collaboration with a faculty member, including examination and discussion of the historiographical context of historical research projects, research projects, research question framing, and finding, cataloging, and analyzing historical sources. Includes a paper related to the research experience.

Credit Hours: 1 To 3 Additional Restrictions/Requirements:

History majors only, sophomore, junior, or senior standing, and consent of instructor.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

HST 295 - Contemporary Issues in Historical Perspective

Course Description:

Exploration of a contemporary issue from a historical perspective.

Credit Hours: 3 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Repeat Limit: 1

HST 300 - War and the United States

Course Description:

Examination of the role of war in the development of the United States from the colonial period to the present. Includes the development of an identifiably American understanding of war and the relationship of the military to society.

Credit Hours: 3 Additional Restrictions/Requirements:

Any HST course or consent of instructor.

Course Repeatability: Course may not be repeated.

HST 301 - History of American Foreign Relations since the Progressive Era

Course Description:

Formation and implementation of American foreign policy, including the relationship between foreign policy and American political culture, and the impact of foreign perspectives on U. S. foreign policy since the Progressive Era.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

HST 303 - Film and History

Course Description:

Examination of the interpretation of American, European, and global history in film, including both dramatic films and documentaries.

Credit Hours: 3 Additional Restrictions/Requirements:

Any HST course or consent of instructor.

Course Repeatability: Course may not be repeated.

HST 305 - The Ancient Near East

Course Description:

An intensive political and cultural study of ancient Babylonian, Egyptian, and other Near Eastern civilizations.

Credit Hours: 3 Additional Restrictions/Requirements:

Any HST course or consent of instructor.

Course Repeatability: Course may not be repeated.

HST 306 - Ancient Greece and Rome

Course Description:

A study of the civilization of ancient Greece and Rome with special emphasis on the Greek classical period and the Pax Romana.

Credit Hours: 3 Additional Restrictions/Requirements:

Any HST course or consent of instructor.

Course Repeatability: Course may not be repeated.

HST 311 - History of England to 1485

Course Description:

The history of England from the arrival of the Celtic tribes to the assumption of power by the Tudors in 1485. Emphasis on the political, social, and religious developments of the High Middle Ages.

Credit Hours: 3 Additional Restrictions/Requirements:

Any HST course or consent of instructor.

Course Repeatability: Course may not be repeated.

HST 312 - History of England 1485-1815

Course Description:

The history of England from the assumption of power by the Tudors in 1485 to the victory over Napoleon in 1815. Emphasis on the theme of continuity and change in political, social, and economic life.

Credit Hours: 3 Additional Restrictions/Requirements:

Any HST course or consent of instructor.

Course Repeatability: Course may not be repeated.

HST 313 - History of England 1815 to Present

Course Description:

The history of England from Waterloo to the present. Emphasis on the impact of industrialization and urbanization, the gradual democratization of British politics, the expansion and contraction of the British Empire, the impact of world war, the rise of the welfare state, and post-industrial society.

Credit Hours: 3 Additional Restrictions/Requirements:

Any HST course or consent of instructor.

Course Repeatability: Course may not be repeated.

HST 315 - History of Modern Ireland

Course Description:

A survey of the history of Ireland from the end of the Elizabethan wars and the establishment of the Ulster plantation through the divergent twentieth-century experience of the Republic and Northern Ireland.

Credit Hours: 3 Additional Restrictions/Requirements:

Any HST course or consent of instructor.

Course Repeatability: Course may not be repeated.

HST 317 - Northern Ireland from 1880

Course Description:

Politics and society in Northern Ireland from Home Rule through partition, the troubles, and the peach process of the 1990's and beyond. Examination of primary sources, film, and the work of a broad range of academic specialists in the region to explore the historical development of this deeply divided society.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

HST 319 - History of Spanish Empire

Course Description:

Survey of Spanish history with particular attention to Early Modern and Modern Periods. The course will cover the Alfonsine era and Reconquista through the Golden Age, decline, Fascism and democracy.

Credit Hours: 3 Additional Restrictions/Requirements:

Any HST course or consent of instructor.

Course Repeatability: Course may not be repeated.

HST 321 - History of Modern France

Course Description:

History of France from the French Revolution and Napoleon through the political, economic and social developments of the nineteenth century to the World Wars of

the twentieth century.
Credit Hours: 3 Additional Restrictions/Requirements:
Any HST course or consent of instructor.
Course Repeatability: Course may not be repeated.

HST 322 - History of Germany 1648-1890

Course Description:
The emergence of modern Germany from the end of the Thirty Years' War through the Bismarckian empire. Topics include the rise of Prussian absolutism, the Enlightenment in Germany, the impact of the French Revolution, Romanticism, the revolutions of 1848, unification, and constitutional problems of the empire.
Credit Hours: 3 Additional Restrictions/Requirements:
Any HST course or consent of instructor.
Course Repeatability: Course may not be repeated.

HST 323 - History of Germany 1890-Present

Course Description:
Germany from the end of Bismarck's chancellorship to the present. Topics include World War I, German Expressionism, the failure of Weimar democracy, the rise of the Nazis, defeat and division, rebuilding in East and West, the collapse of communism, and reunification.
Credit Hours: 3 Additional Restrictions/Requirements:
Any HST course or consent of instructor.
Course Repeatability: Course may not be repeated.

HST 324 - Jewish Humor and History: From the Shtetl to Seinfeld

Course Description:
Explores Jewish humor, tracing its evolution from the Yiddish culture of the 19th century to that of modern America. We examine schlemiels, schlimazels, and schnorrers, and investigate why they still have resonance today.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

HST 325 - Russia to 1881

Course Description:
History of Russia from its origins to 1881. Topics include the Mongol Conquest, state building, foreign policy, popular and intellectual opposition to serfdom.
Credit Hours: 3 Additional Restrictions/Requirements:
Any HST course or consent of instructor.
Course Repeatability: Course may not be repeated.

HST 326 - Russia Since 1881

Course Description:

History of Russia from 1881 to the present. Topics include the impact of emancipation, growth of revolutionary movement, revolutions of 1917, the Stalin years, post-Stalin reforms, end of Soviet Union.

Credit Hours: 3 Additional Restrictions/Requirements:

Any HST course or consent of instructor.

Course Repeatability: Course may not be repeated.

HST 329 - History of Science and Technology in the Modern World

Course Description:

Examination of themes in the history of science and technology since the Scientific Revolution, such as controversies in science and technology, history of technology/biotechnology, history of American Science, and science and technology since 1900. Course may be repeated for credit under different subtitles.

Credit Hours: 3 Additional Restrictions/Requirements:

Any HST course or consent of instructor.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 9

HST 332 - American Environmental History

Course Description:

The significance of the environment in American history from the colonial period to the present. Emphasis on the relationship between the natural environment of North America and the development of American culture and society, as well as changing attitudes toward the natural environment.

Credit Hours: 3 Additional Restrictions/Requirements:

Any HST course or consent of instructor.

Course Repeatability: Course may not be repeated.

HST 333 - American Social History

Course Description:

The impact of social change on American life from colonial times to the present. An examination of changing concepts of ethnicity and racial identification, the growth of religious movements, the effect of industrialization on family life, the impact of urbanization on crime and violence, and the influences of movies and television on mass behavior.

Credit Hours: 3 Additional Restrictions/Requirements:

Any HST course or consent of instructor.

Course Repeatability: Course may not be repeated.

HST 334 - Public History

Course Description:

A study of the ways in which historians practice outside of the academy. Topics include historic preservation, museum interpretation, cultural resource management, media, and archives. Class may include guest speakers and field trips.

Credit Hours: 3 Additional Restrictions/Requirements:

Any HST course or consent of instructor.

Course Repeatability: Course may not be repeated.

HST 335 - Hollywood and American Society

Course Description:

A study of motion picture entertainment produced by Hollywood in the context of major social, political, and economic changes in the United States.

Credit Hours: 3 Additional Restrictions/Requirements:

Any HST course or consent of instructor.

Course Repeatability: Course may not be repeated.

HST 336 - American Indian History to 1900

Course Description:

North American Indian cultures and history from the pre-Columbian era to the end of the nineteenth century. Topics include Indian social, political, and economic life, religion and worldview, and gender roles; European and American interaction; development of federal Indian policy and the Indian response; status of Indians in contemporary America.

Credit Hours: 3 Additional Restrictions/Requirements:

Any HST course or consent of instructor.

Course Repeatability: Course may not be repeated.

HST 337 - American Indian History after 1900

Course Description:

North American Indian history from 1885 to the present. Topics include Indian life on, off, and after the reservations; various late 19th and 20th century federal Indian policies and the Indians' response; and how Indians have survived into the modern era.

Credit Hours: 3 Additional Restrictions/Requirements:

Any HST course or consent of the instructor.

Course Repeatability: Course may not be repeated.

HST 339 - Economic History of the United States

Course Description:

An historical study of American agriculture, labor, industry, transportation, and banking with emphasis on the relation of the government to the economy.
Credit Hours: 3 Additional Restrictions/Requirements:
Any HST course or consent of instructor.
Course Repeatability: Course may not be repeated.

HST 340 - Race, Gender, and Citizenship

Course Description:
Examines the shifting meanings of citizenship in the U.S. from 1790 to the present, with particular emphasis on the political and legal history of citizenship. Includes study of reform movements challenging hierarchical concepts of civic membership and the role of naturalization and immigration policies in regulating access to citizenship.
Credit Hours: 3 Additional Restrictions/Requirements:
Any HST course or consent of instructor.
Course Repeatability: Course may not be repeated.

HST 341 - North Carolina 1524 to 1835

Course Description:
Political, economic and social development of North Carolina from the colonial and federal period to the Constitution of 1835.
Credit Hours: 3 Additional Restrictions/Requirements:
Any HST course or consent of instructor.
Course Repeatability: Course may not be repeated.

HST 342 - North Carolina 1835 To Present

Course Description:
Political, economic and social development of North Carolina in the nineteenth and twentieth centuries.
Credit Hours: 3 Additional Restrictions/Requirements:
Any HST course or consent of instructor.
Course Repeatability: Course may not be repeated.

HST 343 - Wilmington: A Study in Development

Course Description:
The city of Wilmington, North Carolina, and its environs from geological beginnings through approximately 1970. Wilmington is used as an example of major historical trends with emphasis on the twentieth century.
Credit Hours: 3 Additional Restrictions/Requirements:
Any HST course or consent of instructor.

Course Repeatability: Course may not be repeated.

HST 346 - The Old South

Course Description:

The South from the colonial period to the Civil War with emphasis on political, economic, and social institutions distinctive to the South.

Credit Hours: 3 Additional Restrictions/Requirements:

Any HST course or consent of instructor.

Course Repeatability: Course may not be repeated.

HST 347 - The New South

Course Description:

Aftermath of Reconstruction, rise of the New South, effects of industrialism, continuation and decline of sectionalism.

Credit Hours: 3 Additional Restrictions/Requirements:

Any HST course or consent of instructor.

Course Repeatability: Course may not be repeated.

HST 351 - Religion in Early America

Course Description:

Examination of the role and significance of religion in early American culture and society. Topics include contact between Native American and Euro-American religious traditions, Puritanism, First Great Awakening, religion in the revolutionary era, separation of church and state.

Credit Hours: 3 Prerequisite Courses:

PAR 242

Crosslisting:

PAR 351

Course Repeatability: Course may not be repeated.

HST 352 - Colonial History of the U.S.

Course Description:

Formation and growth of American colonies to the conclusion of the French and Indian War (1763).

Credit Hours: 3 Additional Restrictions/Requirements:

Any HST course or consent of instructor.

Course Repeatability: Course may not be repeated.

HST 353 - The American Revolution and Formation of the United States

Course Description:

Organization of the British Empire, events preceding the Revolution, the war for independence, Confederation era, drafting and ratification of the U. S. Constitution, politics of the new nation.
Credit Hours: 3 Additional Restrictions/Requirements:
Any HST course or consent of instructor.
Course Repeatability: Course may not be repeated.

HST 354 - The Antebellum U.S.

Course Description:
Study of U. S. history from the War of 1812 through the advent of the Civil War. Major topics include Jacksonian Democracy, reform movements, national expansion, immigration, sectionalism, and the political crisis of the 1850s.
Credit Hours: 3 Additional Restrictions/Requirements:
Any HST course or consent of instructor.
Course Repeatability: Course may not be repeated.

HST 355 - Civil War and Reconstruction

Course Description:
Examination of the origins, conduct, and significance of the Civil War, and Reconstruction through 1877.
Credit Hours: 3 Additional Restrictions/Requirements:
Any HST course or consent of instructor.
Course Repeatability: Course may not be repeated.

HST 356 - Robber Barons and Reformers: the U.S. from 1877 to 1917

Course Description:
The rise of American industry and the Populist-Progressive responses to urbanization and industrialization.
Credit Hours: 3 Additional Restrictions/Requirements:
Any HST course or consent of instructor.
Course Repeatability: Course may not be repeated.

HST 357 - The United States from World War I through World War II

Course Description:
A study of the United States from 1917 to 1945 with emphasis on World War I, cultural change in the 1920s, the Great Depression, the New Deal, and World War II.

Credit Hours: 3 Additional Restrictions/Requirements:

Any HST course or consent of instructor.

Course Repeatability: Course may not be repeated.

HST 358 - The United States Since 1945

Course Description:

Developments in American politics, cultural life, civil rights, and foreign policy from the time of the Truman Administration to the present.

Credit Hours: 3 Additional Restrictions/Requirements:

Any HST course or consent of instructor.

Course Repeatability: Course may not be repeated.

HST 359 - Religious Reform in Modern America

Course Description:

Religious thought and action concerning social change in modern America. Topics include urban revivalism, labor, civil rights, and peace movements. Emphasis on differing interpretations of scripture, church teachings, and religious identity.

Credit Hours: 3 Prerequisite Courses:

PAR 242

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Crosslisting:

PAR 353

Course Repeatability: Course may not be repeated.

HST 362 - History of Premodern East Asia

Course Description:

Survey of East Asian history from ancient times to the mid-nineteenth century, with emphasis on China and Japan and secondary attention to Korea and Vietnam. Course may be repeated for credit under different subtitles.

Credit Hours: 3 Additional Restrictions/Requirements:

Any HST course or consent of instructor.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 9 Repeat Limit: 3

HST 363 - History of Modern East Asia

Course Description:

Survey of East Asian history from the mid-nineteenth century to the present, with emphasis on China and Japan and secondary attention to Korea and Vietnam. Course may be repeated for credit under different subtitles.

Credit Hours: 3 Additional Restrictions/Requirements:

Any HST course or consent of instructor.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 9 Repeat Limit: 3

HST 364 - History of Premodern South Asia

Course Description:
An examination of history of South Asian history from ancient times to the mid-nineteenth century. Course may be repeated for credit under different subtitles including Mughal India, history of Pakistan, and colonialism in India.
Credit Hours: 3 Additional Restrictions/Requirements:
Any HST course or consent of instructor.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 9 Repeat Limit: 3

HST 365 - History of Modern South Asia

Course Description:
An examination of history of South Asian history from the nineteenth century till the present. Course may be repeated for credit under different subtitles including India and Pakistan since 1947, and Ghandi and Ghandism.
Credit Hours: 3 Additional Restrictions/Requirements:
Any HST course or consent of instructor.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 9 Repeat Limit: 3

HST 367 - History of Colonial Latin America

Course Description:
Survey of the conquest and colonization of Latin America from pre-Columbian civilizations through independence in the early nineteenth century, focusing on the creation of new societies shaped by the interaction of Europeans, Indians, and Africans.
Credit Hours: 3 Additional Restrictions/Requirements:
Any HST course or consent of instructor.
Course Repeatability: Course may not be repeated.

HST 368 - History of Modern Latin America

Course Description:
The development of South America, Central America, Mexico, and the Caribbean from the time of independence in the early nineteenth century to the present.
Credit Hours: 3 Additional Restrictions/Requirements:
Any HST course or consent of instructor.
Course Repeatability: Course may not be repeated.

HST 371 - History of Premodern Africa

Course Description:

History of Africa from the earliest times to 1800 with emphasis on the social structures, cultures, economy, and political organizations of African peoples and their relationships with forces outside of Africa. This course can have a geographical or a thematic approach. Course may be repeated for credit under different subtitles.
Credit Hours: 3 Additional Restrictions/Requirements:

Any HST course or consent of instructor.
Course Repeatability: Course may not be repeated.

HST 372 - History of Modern Africa

Course Description:

Historical survey of African history from 1800 to the present with emphasis on the abolition of slavery and the slave trade; the scramble for Africa; establishment and operation of colonial rule; independence movements; and the post-colonial period.
Credit Hours: 3 Additional Restrictions/Requirements:

Any HST course or consent of instructor.
Course Repeatability: Course may not be repeated.

HST 377 - Topics in International History

Course Description:

Selected themes and events in international or transnational history. Examples of course topics include: The Second World War, Age of Napoleon. May be repeated under different subtitles.
Credit Hours: 3 Additional Restrictions/Requirements:

Any HST course or consent of instructor.
Course Repeatability: Course may be repeated.

HST 381 - History of Premodern Middle East

Course Description:

Exploration of themes in the political, social, economic, military, diplomatic, and cultural history of the Middle East and the impact of the West from 1700 to World War I. Course may be repeated for credit under different subtitles.
Credit Hours: 3 Additional Restrictions/Requirements:

Any HST course or consent of instructor.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 9 Repeat Limit: 3

HST 382 - History of Modern Middle East

Course Description:

An examination of the major developments in the history of the Modern Middle East. The course may be repeated for credit under different subtitles including Women and Gender in the Middle East, the Middle East since 1914, and Palestine and

Israel.

Prerequisite Courses:

Any history class.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 9 Repeat Limit: 3

HST 385 - Special Topics in Jewish History

Course Description:

Examination of themes in the history, religion, and culture of the Jewish people from antiquity to the present, including the Jews in the modern world, Zionism and Israel, Anti-Semitism and the Holocaust. Course may be repeated for credit under different subtitles.

Credit Hours: 3 Additional Restrictions/Requirements:

Any HST course or consent of instructor.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 9 Repeat Limit: 3

HST 390 - Medieval Civilization

Course Description:

An examination of medieval Europe from the fall of Rome to the fifteenth century. Emphasis on the development of feudalism, manorialism, and the universal authority of the Catholic Church.

Credit Hours: 3 Additional Restrictions/Requirements:

Any HST course or consent of instructor.

Course Repeatability: Course may not be repeated.

HST 391 - Europe in the Age of the Renaissance

Course Description:

Political, economic, and social changes during the Renaissance, with particular attention to the artistic and intellectual achievements of the age.

Credit Hours: 3 Additional Restrictions/Requirements:

Any HST course or consent of instructor.

Course Repeatability: Course may not be repeated.

HST 392 - Europe in the Age of Reformation

Course Description:

Causes and development of the Protestant and the Catholic Reformations with examination of the impact of these movements on the political, economic, and social institutions of early modern Europe.

Credit Hours: 3 Additional Restrictions/Requirements:

Any HST course or consent of instructor.

Course Repeatability: Course may not be repeated.

HST 394 - Europe in the Age of Absolutism and Enlightenment

Course Description:

Europe from the Thirty Years War to the French Revolution. Topics include mercantilism; social transformation; colonialism; English constitutional government; Scientific Revolution; enlightened despotism, and changing balance of power.

Credit Hours: 3 Additional Restrictions/Requirements:

Any HST course or consent of instructor.

Course Repeatability: Course may not be repeated.

HST 395 - Readings in History

Course Description:

Focus on a close reading of current and classical historical scholarship around a chosen theme in a small-class environment. Students will discuss and critique course readings; close attention will be paid to developing discussion and writing skills as well as historiographical knowledge.

Credit Hours: 3 Additional Restrictions/Requirements:

Any HST course or consent of instructor.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Repeat Limit: 1

HST 396 - Europe from French Revolution to World War I

Course Description:

The French and Industrial Revolutions and their social and political impact; the rise of nationalism and empires; capitalism and its critics; the changing balance of powers and the First World War.

Credit Hours: 3 Additional Restrictions/Requirements:

Any HST course or consent of instructor.

Course Repeatability: Course may not be repeated.

HST 398 - Europe in the Age of War and Dictatorship

Course Description:

Europe from the First World War to 1945. Topics include both world wars, Great Depression, nationalisms, communisms and fascisms.

Credit Hours: 3 Additional Restrictions/Requirements:

Any HST course or consent of instructor.

Course Repeatability: Course may not be repeated.

HST 399 - Europe Since 1945

Course Description:

Europe from the end of the Second World War to the present. Topics include the welfare state, decolonization, the 1960s, consumer society, the origins and end of

the Cold War, and European integration.
Credit Hours: 3 Additional Restrictions/Requirements:
Any HST course or consent of instructor.
Course Repeatability: Course may not be repeated.

HST 408 - Seminar: Medieval Europe

Course Description:
Research-oriented exploration of major themes and issues in the history of Medieval Europe (500-1500). May be repeated under a different subtitle.
Credit Hours: 3 Prerequisite Courses: HST 102 and HST 290 Additional Restrictions/Requirements:
Prerequisite courses or consent of instructor.
University Studies: ["Building Competencies/Writing Intensive", "Common Requirements/Critical Reasoning"] Crosslisting:
HST 548
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

HST 412 - Seminar: Renaissance and Reformation Europe

Course Description:
Research-oriented exploration of major themes and issues in the history of Renaissance and Reformation Europe (1350-1618). May be repeated under a different subtitle.
Credit Hours: 3 Prerequisite Courses: (HST 102 or HST 101) and HST 290 Additional Restrictions/Requirements:
Prerequisite courses or consent of instructor.
University Studies: ["Building Competencies/Writing Intensive", "Common Requirements/Critical Reasoning"] Crosslisting:
HST 552
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

HST 414 - Seminar: Early Modern Europe

Course Description:
Research-oriented exploration of major themes and issues in the history of Early Modern Europe (1618-1789). May be repeated under a different subtitle.
Credit Hours: 3 Prerequisite Courses: (HST 102 or HST 101) and HST 290 Additional Restrictions/Requirements:
Prerequisite courses or consent of instructor.
University Studies: ["Building Competencies/Writing Intensive", "Common Requirements/Critical Reasoning"] Crosslisting:
HST 554

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

HST 416 - Seminar: Nineteenth-Century Europe

Course Description:

Research-oriented exploration of major themes and issues in the history of Europe from the French Revolution to the First World War. May be repeated under a different subtitle.

Credit Hours: 3 Prerequisite Courses: (HST 102 or HST 101) and HST 290 Additional Restrictions/Requirements:

Prerequisite courses or consent of instructor.

University Studies: ["Building Competencies/Writing Intensive", "Common Requirements/Critical Reasoning"] Crosslisting:

HST 556

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

HST 418 - Seminar: Twentieth-Century Europe

Course Description:

Research-oriented exploration of major themes and issues in the history of Europe since 1914. May be repeated under a different subtitle.

Credit Hours: 3 Prerequisite Courses: (HST 102 or HST 101) and HST 290 Additional Restrictions/Requirements:

Prerequisite courses or consent of instructor.

University Studies: ["Building Competencies/Writing Intensive", "Common Requirements/Critical Reasoning"] Crosslisting:

HST 558

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

HST 440 - Seminar: U.S. Social History

Course Description:

Intensive study of selected topics in U.S. social history. Examples of topics: African-Americans, immigrants, social movements, education, work and leisure, sexuality. May be repeated under a different subtitle.

Credit Hours: 3 Prerequisite Courses: (HST 105 or HST 106) and HST 290 Additional Restrictions/Requirements:

Prerequisite courses or consent of instructor.

University Studies: ["Building Competencies/Writing Intensive", "Common Requirements/Critical Reasoning"] Crosslisting:

HST 518

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

HST 442 - Seminar: U.S. Economic History

Course Description:

Intensive study of significant themes or events in U. S. economic history from the colonial period to the present. Examples of topics: economy of Colonial America, 19th-century labor movements, economy of the Antebellum South, agricultural history. May be repeated under a different subtitle.

Credit Hours: 3 Prerequisite Courses: (HST 105 or HST 106) and HST 290 Additional Restrictions/Requirements:

Prerequisite courses or consent of instructor.

University Studies: ["Building Competencies/Writing Intensive", "Common Requirements/Critical Reasoning"] Crosslisting:

HST 525

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

HST 444 - Seminar: U.S. Political History

Course Description:

Intensive study of selected facets of political theory, behavior, movements, and institutions, and how political power has been used to influence the development of society. Examples of topics: New Deal politics, third-party movements, U. S. Constitution. May be repeated under a different subtitle.

Credit Hours: 3 Prerequisite Courses:

(HST 105 or HST 106) and HST 290

Additional Restrictions/Requirements:

Prerequisite courses or consent of instructor.

University Studies: ["Building Competencies/Writing Intensive", "Common Requirements/Critical Reasoning"] Crosslisting:

HST 526

Course Repeatability: Course may not be repeated.

HST 446 - Seminar: U.S. Diplomatic History

Course Description:

Intensive examination of fundamental principles, assumptions, and objectives in the conduct of U. S. foreign policy, and of how Americans have viewed their place in the international order at various moments in their history. Examples of topics: the diplomacy of World War II, the Cold War, arms control and disarmament. May be repeated under a different subtitle.

Credit Hours: 3 Prerequisite Courses: (HST 105 or HST 106) and HST 290 Additional Restrictions/Requirements:

Prerequisite courses or consent of instructor.

University Studies: ["Building Competencies/Writing Intensive", "Common Requirements/Critical

Reasoning"] Crosslisting:

HST 527

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

HST 450 - Seminar: U.S. Intellectual History

Course Description:

Intensive examination of the role of ideas in American history. Examples of topics: radicalism, the Enlightenment, myth in American history, and ideas about democracy, ethnicity, equality, religion, gender. May be repeated under a different subtitle.

Credit Hours: 3 Prerequisite Courses: (HST 105 or HST 106) and HST 290 Additional Restrictions/Requirements:

Prerequisite courses or consent of instructor.

University Studies: ["Building Competencies/Writing Intensive", "Common Requirements/Critical Reasoning"] Crosslisting:

HST 529

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

HST 454 - Seminar: U.S. Regional History

Course Description:

Intensive examination of the economic, social, and political history of a specific region of the United States. May be repeated under a different subtitle.

Credit Hours: 3 Prerequisite Courses: (HST 105 or HST 106) and HST 290 Additional Restrictions/Requirements:

Prerequisite courses or consent of instructor.

University Studies: ["Building Competencies/Writing Intensive", "Common Requirements/Critical Reasoning"] Crosslisting:

HST 531

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 6

HST 456 - Seminar: U.S. Environmental History

Course Description:

Selected topics in U.S. environmental history. Examples of topics: nature and culture, the cult of the wilderness, conservation and preservation, resources and regions, gender and nature, the environmental movement. May be repeated under a different subtitle.

Credit Hours: 3 Prerequisite Courses: (HST 105 or HST 106) and HST 290 Additional Restrictions/Requirements:

Prerequisite courses or consent of instructor.

University Studies: ["Building Competencies/Writing Intensive", "Common Requirements/Critical

Reasoning"] Crosslisting:

HST 533

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

HST 477 - Historic Preservation in the U.S.

Course Description:

Provides an overview of the history, theory, and practices of historic preservation through applied research. Addresses the history of the built American environment and how scholars analyze buildings and landscapes as historical evidence. Students visit historic structures and conduct both fieldwork and archival research.

Credit Hours: 3 Prerequisite Courses:

(HST 105 or HST 106) and HST 290

Additional Restrictions/Requirements:

Prerequisite courses or consent of instructor.

University Studies: ["Building Competencies/Writing Intensive", "Common Requirements/Critical Reasoning"] Crosslisting:

HST 577

Course Repeatability: Course may not be repeated.

HST 478 - The History and Meaning of Objects

Course Description:

Research-oriented exploration of the theory, practice, and historiography of using material objects as sources for the study of society and culture.

Credit Hours: 3 Prerequisite Courses:

HST 290

Additional Restrictions/Requirements:

Any history survey (HST 101 - 249) and prerequisite course, or consent of instructor.

University Studies: ["Building Competencies/Writing Intensive", "Common Requirements/Critical Reasoning"] Crosslisting:

HST 578

Course Repeatability: Course may not be repeated.

HST 480 - Topics in Public History

Course Description:

Intensive study of selected themes in public history. Examples of topics: business history, public policy analysis and interpretation of the landscape. May be repeated under a different subtitle.

Credit Hours: 3 Prerequisite Courses: HST 290 Additional Restrictions/Requirements:

Any history survey (HST 101-HST 249) and prerequisite course, or consent of instructor.

University Studies: ["Building Competencies/Writing Intensive", "Common Requirements/Critical Reasoning"] Crosslisting:

HST 580

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

HST 481 - Topics in African History

Course Description:

Intensive study of a selected theme in African history. Examples of topics: slavery, the slave trade and its abolition, pre-colonial Africa, colonial and post-colonial Africa, oral history in Africa. May be repeated under a different subtitle.

Credit Hours: 3 Prerequisite Courses: (HST 103 or HST 104) and HST 290 Additional Restrictions/Requirements:

Prerequisite courses or consent of instructor.

University Studies: ["Building Competencies/Writing Intensive", "Common Requirements/Critical Reasoning"] Crosslisting:

HST 581

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

HST 483 - Topics in Middle Eastern History

Course Description:

Intensive study of a selected theme in Middle Eastern history. Examples of topics: early Islamic conquests, the Ottoman Empire, the Arab-Israeli conflict. May be repeated under a different subtitle.

Credit Hours: 3 Prerequisite Courses: (HST 103 or HST 104) and HST 290 Additional Restrictions/Requirements:

Prerequisite courses or consent of instructor.

University Studies: ["Building Competencies/Writing Intensive", "Common Requirements/Critical Reasoning"] Crosslisting:

HST 583

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

HST 485 - Topics in Latin American History

Course Description:

Intensive study of a selected theme in Latin American history. Examples of topics: pre-Columbian civilizations, colonial rule under Spain and Portugal, nationalism, revolutionary movements. May be repeated under a different subtitle.

Credit Hours: 3 Prerequisite Courses: (HST 103 or HST 104) and HST 290 Additional Restrictions/Requirements:

Prerequisite courses or consent of instructor.

University Studies: ["Building Competencies/Writing Intensive", "Common Requirements/Critical

Reasoning"] Crosslisting:

HST 585

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

HST 487 - Topics in Global History

Course Description:

Intensive study of a selected theme in global history. Examples of topics: colonialism, imperialism, industrialization, slavery, revolutionary movements. May be repeated under a different subtitle.

Credit Hours: 3 Prerequisite Courses: (HST 103 or HST 104) and HST 290 Additional Restrictions/Requirements:

Prerequisite courses or consent of instructor.

University Studies: ["Building Competencies/Writing Intensive", "Common Requirements/Critical Reasoning"] Crosslisting:

HST 587

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

HST 491 - Directed Individual Study

Course Description:

Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.

Credit Hours: 1 To 3 Additional Restrictions/Requirements:

Junior or senior standing, overall GPA of at least 2.00, and consent of instructor, department chair and dean.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

HST 495 - Seminar

Course Description:

Intensive study of historical topics not regularly covered in other courses. May be repeated under a different subtitle.

Credit Hours: 3 Prerequisite Courses: HST 290 Additional Restrictions/Requirements:

Any history survey (HST 101-HST 249) and prerequisite course, or consent of instructor.

University Studies: ["Building Competencies/Writing Intensive", "Common Requirements/Critical Reasoning"] Crosslisting:

HST 595

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

HST 496 - Topics in the History of Science and Technology

Course Description:

Intensive study of a selected theme in the History of Science and Technology. Examples of topics include: "Positivism", "Occult Studies and the Renaissance", "The Second Industrial Revolution". May be repeated under a different subtitle.
Credit Hours: 3 Prerequisite Courses: HST 290 Additional Restrictions/Requirements:
Any history survey (HST 101 - HST 249) and prerequisite course, or consent of instructor.
University Studies: ["Building Competencies/Writing Intensive", "Common Requirements/Critical Reasoning"] Crosslisting:
HST 586
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

HST 497 - Topics in Asian History

Course Description:
Intensive study of selected themes and events in Asian history not regularly covered in other courses. Examples of topics include: The Chinese Revolution, Meiji Japan, Gandhian thought, nationalist movements. May be repeated under a different subtitle.
Credit Hours: 3 Prerequisite Courses: (HST 103 or HST 104) and HST 290 Additional Restrictions/Requirements:
Prerequisite courses or consent of instructor.
University Studies: ["Building Competencies/Writing Intensive", "Common Requirements/Critical Reasoning"] Crosslisting:
HST 597
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

HST 498 - Internship in Public History

Course Description:
Supervised practical experience with a public or private historical organization, agency or institution. Area of concentration, requirements, and means of evaluation to be defined in consultation with faculty.
Credit Hours: 3 To 6 Prerequisite Courses: HST 290 Additional Restrictions/Requirements:
Junior or senior standing, prerequisite course, and consent of instructor.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

HST 499 - Honors Work in History

Course Description:
Individual study of honors students.
Credit Hours: 2 To 3 Additional Restrictions/Requirements:

Senior standing and consent of instructor or department chairperson.
University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

HON 110 - First-Year Honors Interdisciplinary Seminar

Course Description:

Introduces the honors student to the college experience by direct involvement in research, service and leadership activities. The nature of knowledge; the concept of a university; how a university education changes individuals and affects the future. Includes field experiences, collaborative learning and independent scholarship. Emphasis on discussion; required student projects.

Credit Hours: 3 Additional Restrictions/Requirements:

Formal enrollment in the Honors Scholars College or consent of the director.
University Studies: ["Foundations/First Year Seminar", "Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

HON 120 - Honors Enrichment Seminar

Course Description:

Students study a specialty topic and participate in a variety of related enrichment activities on the campus and in the community. By direct contact, students have the opportunity to broaden their educational experience in both traditional and contemporary forums. Discussion and brief written assignments. May be repeated under different subtitles.

Credit Hours: 1 Additional Restrictions/Requirements:

Formal enrollment in the Honors Scholars College or consent of the director.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

HON 121 - Honors Enrichment Seminar: Explorations Beyond the Classroom

Course Description:

Students study a specialty topic and participate in a variety of related enrichment activities outside the classroom. By direct contact, students have the opportunity to broaden their educational experience in forums that emphasize applied learning. May include travel or field site experience as a component. Discussion and brief written assignments, including intentional reflection. May be repeated under different subtitles.

Credit Hours: 1 Additional Restrictions/Requirements:

Formal enrollment in the Honors Scholars College or consent of the director.
University Studies: ["Explorations Beyond the Classroom/Certified Internship Program"] Course

Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

HON 191 - Introduction to Research and Discovery

Course Description:

Overview of research procedures in discipline areas, including literature searches and data collection, the scientific process and the nature of discovery. Guidance in developing a personal plan for immersion in research and scholarship as an undergraduate. Emphasis is on applied learning and developing basic skills appropriate to the discipline. Offered in different discipline areas such as Sciences, Education, Humanities, Health Professions, Business, Social Sciences, Fine Arts.

Credit Hours: 1 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 2 Repeat Limit: 1

HON 210 - Topical Interdisciplinary Honors Seminar

Course Description:

An in-depth investigation of a special topic using the approaches of several disciplines; may be team-taught. Topics and approaches vary. Examples are "Brain and Behavior"; "The Geography of Food"; "Nature: Literature and Science"; "Issues in Coastal Management." May be repeated under different subtitles.

Credit Hours: 3 Additional Restrictions/Requirements:

Formal enrollment in the Honors Scholars College or consent of the director.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

HON 211 - Honors Topical Interdisciplinary Seminar: Living in our Diverse Nation

Course Description:

An in-depth investigation of a special topic related to the theme 'Living in Our Diverse Nation' using the approaches of several disciplines; may be team-taught. Topics and approaches vary. Examples are 'The Geography of Race Relations' and 'Immigration in the US'. May be repeated under different subtitles.

Credit Hours: 3 Additional Restrictions/Requirements:

Formal enrollment in the Honors Scholars College or consent of the director.

University Studies: ["Approaches and Perspectives/Living in Our Diverse Nation"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

HON 212 - Honors Topical Interdisciplinary Seminar: Living in a Global Society

Course Description:

An in-depth investigation of a special topic related to the theme 'Living in a Global

Society' using the approaches of several disciplines; may be team-taught. Topics and approaches vary. Examples are 'Brazilian Culture' and 'Germs of the World.' May be repeated under different subtitles.
Credit Hours: 3 Additional Restrictions/Requirements:
Formal enrollment in the Honors Scholars College or consent of director.
University Studies: ["Approaches and Perspectives/Living in a Global Society"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

HON 213 - Topical Interdisciplinary Honors Seminar: A Community Partnership

Course Description:
This interdisciplinary course will be taught in conjunction with or completely by a community partner. It provides a course experience based on unique partnerships between the Honors College and a community organization. This could involve credentialed/qualified partners teaching the course, providing the physical space for the course meetings (example: Cameron Museum of Art), and offering other unique learning opportunities as part of these organizations' missions. These unique partnerships go beyond a relationship with a single faculty member for the following reasons: 1) organizational resources are being offered, 2) sustained/long-term relationship, 3) organizational expertise through employees, and 4) the organization desiring to enter this relationship as part of their larger mission.
Credit Hours: 3 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12 Repeat Limit: 3

HON 294 - Honors Study Abroad

Course Description:
Sophomore-level designation for non-catalog courses offered by a department abroad. Department attaches its prefix to the number and lists the course(s) in the coming semester's schedule of classes.
Credit Hours: 1 To 6 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

HON 399 - A Preparation for the Honors Thesis

Course Description:
This course is designed as a workshop to help students prepare for the thesis experience in their senior year and develop a full-fledged proposal of their research project. Honors students in their junior year often ask themselves how to start a thesis, how to find a good topic of inquiry that suits them and their career goals, how to define a research question, how to find an advisor, and what resources exist on

campus to help them execute their project. The goal of this course is to "demystify" the thesis process, reassure students of its manageable scope, and help them understand the value of undergraduate research. The honors thesis places students in the role of a scholar leading an initiative. It offers them the opportunity to tap into their own curiosity, do original research on a topic of their choosing, formulate a question, design a plan to address that question, communicate what they learned to other scholars and peers, and write an outstanding thesis that best displays their skills in investigation, critical thinking, and communication.
Credit Hours: 1 Additional Restrictions/Requirements:
Junior standing or consent of instructor.
Course Repeatability: Course may not be repeated.

HON 499 - Interdisciplinary Honors Work

Course Description:
Independent work for honors students that emphasizes interdisciplinary study.
Credit Hours: 2 To 3 Additional Restrictions/Requirements:
Junior or senior standing and eligibility for honors program.
University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

MIT 150 - Game Theory

Course Description:
Embark on a journey through the world of game design! This course provides a comprehensive introduction to the fundamentals of game design and game theory. Students will explore the principles, mechanics, and strategies that underlie the creation and analysis of games across various platforms. This course emphasizes practical applications, focusing on intuitive concepts that empower students to craft captivating games. Students will develop a deep understanding of the interdisciplinary nature of game design, drawing on elements from psychology, mathematics, storytelling, and user experience design. By the end of this course, students will have acquired a solid foundation in game design principles, game theory, and a diverse range of skills applicable to the creation and evaluation of games across different platforms.
Course Repeatability: Course may not be repeated.

MIT 401 - Online Teaching: Design, Development, and Management

Course Description:

Focus on the design, development, and management of online instruction. Students will use principles of instructional to design and develop online courses with a focus on how to organize and manage an online environment in a Learning Management System (LMS).
Credit Hours: 3 Course Repeatability: Course may not be repeated.

MIT 402 - Multimedia Instruction for Online Learning

Course Description:
Students will follow the instructional design process to create and evaluate multimedia instruction for online computer-based environments. Several advanced technologies will be incorporated to design and develop instructional material. These technologies will include video, computer-based authoring software, mobile and desktops, and other advanced technologies impacting online course development.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

MIT 413 - Assessment of Learning and Instruction

Course Description:
Examine purpose of formative and summative assessment and how it's applied across a variety of systems. Particular attention is paid to the concepts of reliability, validity, norms, interpretation of scores, response sets, fairness in testing and performance assessment, formative vs summative, and norm referenced vs. criterion referenced tests. A variety of formative and summative instruments that are used to measure or assess human attributes and behaviors are studied.
Credit Hours: 3 Course Repeatability: Course may not be repeated. Additional Course Fees: ["None"]

MIT 414 - Foundations of Online Learning

Course Description:
This course overviews the concepts, technologies, and issues related to the design, development, delivery, policy-making, and evaluation of distance education courses and programs. Learn about online learning technologies and focus on techniques for teaching and learning within a distance education system.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

MIT 470 - Introduction to Gaming and Esports

Course Description:
Introduces learners to gaming and esports, the history, current state, and future. Students will identify how these industries are set up and managed. Students will learn about current leagues and games in both collegiate and professional esports,

qualities of a game that makes it successful, describe how esports and games generate revenue, the relationship of gaming and esports and video games to education, and introduce them to the technology used in competition. Learners will also be introduced to the principles of leading, planning, and budgeting.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

MIT 471 - Esports Leadership, Development, and Coordination

Course Description:

Examination of principles of leading, planning, budgeting, and coordinating Esports events. Students will identify the positions needed to run an event, describe leaderships role in Esports, and learn how to design an arena/game area. They will learn how to develop a successful Esports program in educational and corporate settings.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

MIT 472 - Streaming audio and video for Esports and Gaming

Course Description:

Designed to explore the process of streaming audio and video for Esports events and gameplay. This includes identifying hardware, software, and techniques used professionally for streaming gameplay.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

MIT 473 - Esports Media and Content

Course Description:

Examines the role of public performance rights, ethics, fundraising/sponsorship, and peer communication have on Esports events. Learners will learn to connect with stakeholders, players, and the community via various technologies.
Credit Hours: 3 University Studies: "Building Competencies/Information Literacy" Course Repeatability: Course may not be repeated.

MIT 474 - Esports Coaching and Team Development

Course Description:

Examines how to implement strategy into Esports competition by focusing on coaching and mentoring for Esports teams, students, and those interested in the gaming. Learners will be able to construct teams for popular Esports games, learn players roles, and describe how to mentor individuals and teams to success.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

MIT 476 - Esports and Gaming Capstone

Course Description:

This course requires students to conduct a focused study of a research topic in the practical application of gaming and esports. Students will work under the guidance of one or more faculty members to select a topic, conduct research, and develop a written analysis and oral presentation.
Credit Hours: 3 Course Repeatability: No

MIT 498 - Esports Performance and Practice Internship

Course Description:
Internships are off- or on-campus experiences designed to provide learners with the opportunity to apply knowledge gained from courses to a professional work environment. Internships are completed under the guidance of an on-site supervisor and a faculty sponsor.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

ISE 102 - Introduction to Intelligent Systems Engineering

Course Description:
Interdisciplinary introduction to intelligent systems, covering topics such as: how intelligent systems interact with the physical world through inputs and inputs, algorithms to transform inputs to outputs, handling data in intelligent systems, binary numbers, discrete mathematics, basic logic operations, computer architecture, and problem-solving.
Credit Hours: 4 Prerequisite or Corequisite Courses:
CSC 131 with a C or better
University Studies: ["Building Competencies/Information Literacy", "Approaches and Perspectives/Living in a Global Society"] Course Repeatability: Course may not be repeated.

ISE 211 - Programming for Engineers

Course Description: Introduction to fundamentals of programming using C/C++, with a strong emphasis on object-oriented programming (OOP). Structured programming in C before transitioning to C++ to explore OOP alongside basic to intermediate data structure implementations. Skills in both paradigms with a particular focus on using OOP to solve complex problems effectively. Credit Hours: 4 Prerequisite Courses: CSC 131 with a grade of C or better Course Repeatability: Course may not be repeated.

ISE 221 - Intelligent Systems

Course Description:
Introduction to concepts of intelligent systems, focusing on impact on societal structures and human behavior. Exploration of AI within social institutions, examining the ethical implications and potential for societal change, emphasis on the role of intelligent systems in shaping public policies and the cooperative

strategies necessary for a sustainable future.
Credit Hours: 3 Prerequisite Courses:
ISE 102 or ISE 211
University Studies: ["Approaches and Perspectives/Understanding Human Institutions and Behaviors"] Course Repeatability: Course may not be repeated.

ISE 240 - Circuits and Electronics

Course Description:
Introduction to theory, analysis, and design of electric circuits. Study of voltage, current, power, energy, resistance, capacitance, and inductance. Use of Kirchhoff's laws, node analysis, mesh analysis, Thevenin's theorem, Norton's theorem, steady state, and transient analysis, etc.
Credit Hours: 4 Prerequisite or Corequisite Courses:
PHY 201 , MAT 162
Prerequisite Courses:
ISE 102
Course Repeatability: Course may not be repeated.

ISE 250 - Embedded Systems

Course Description:
Introduction to computer organizations, data representation, CPU organization, I/O memory and communication, implementation of a microcontroller or microprocessor embedded systems, assembly language programming, interfacing to peripherals, interrupt handling and debugging techniques.
Credit Hours: 3 Prerequisite or Corequisite Courses:
PHY 300 .
Course Repeatability: Course may not be repeated.

ISE 251 - Intelligent Systems II

Course Description:
Concepts and practice behind deploying AI applications as cloud services that others can access. Importance of engineered robustness and trustworthiness are covered. Computer system design principles applied to practice, resulting in a rounded practicum experience.
Credit Hours: 3 Prerequisite Courses:
ISE 221 with a minimum grade of C-.
Course Repeatability: Course may not be repeated.

ISE 333 - Signals, Systems, and Control

Course Description:

Study of linear dynamic systems, and methods for examining, evaluating, and autonomously controlling them. Examination of several standard methods for linear system analysis and design using time and frequency domain tools (such as transfer functions, pole placement, stability and performance criteria, etc.). Consideration of analytical and numerical methods to explore signals, dynamics systems, and control systems.

Credit Hours: 3 Prerequisite or Corequisite Courses:

STT 315

Prerequisite Courses:

PHY 202 with a grade of 'C' (2.00) or better, MAT 361 with a grade of 'C' (2.00) or better.

Course Repeatability: Course may not be repeated.

ISE 335 - Digital Signal Processing

Course Description:

Fundamentals of digital signal processing (DSP). Topics include: A/D-D/A conversion and quantization, number representations and finite word length effects; FIR, IIR, and lattice filter structures, block diagram, and equivalent structures; multi-rate DSP and filterbanks; digital filter design methods and verification; and DSP hardware architecture.

Credit Hours: 3 Prerequisite Courses:

ISE 333, STT 315

Course Repeatability: Course may not be repeated.

ISE 340 - Systems Engineering

Course Description:

Introduction to the fundamental principles of systems engineering and their application to developing complex systems. Study of how systems engineering viewpoint can address engineering challenges and the essential role of systems engineering in project management.

Credit Hours: 3 Prerequisite Courses:

ISE 221 with a grade of 'C' (2.00) or better

Course Repeatability: Course may not be repeated.

ISE 350 - Principles of Cyber-Physical Systems

Course Description:

Introduction to the architecture, design, and analysis of cyber-physical systems (CPS), including the principles of design, specification, and modeling. Explanation of core ideas related to CPS design including model-based design, distributed

algorithms, system specification and verification, control theory, and real-time systems.

Credit Hours: 3 Prerequisite Courses:

ISE 250 .

Course Repeatability: Course may not be repeated.

ISE 360 - Introduction to Robotics

Course Description:

Focus on image-guided control of robotic manipulators, including mathematical modeling concepts and implementation via open-source software libraries, robotic manipulators, and RGBD cameras. Analysis of complex 3D motions of robotic systems and integration into a closed-loop vision control strategy via different programming tools.

Credit Hours: 3 Prerequisite Courses:

ISE 211, ISE 333.

Course Repeatability: Course may not be repeated.

ISE 410 - Human-Centered Design and Engineering

Course Description:

Introduction to human-centered design (HCD) and engineering principles and practices. Application of these principles to the area of artificial intelligence and intelligent systems, such as autonomous vehicles, etc. Focus on developing collaborative strategies between human users and autonomous systems for safety and effectively utilizing state-of-the-art autonomous features.

Credit Hours: 3 Prerequisite Courses:

ISE 360

Course Repeatability: Course may not be repeated.

ISE 411 - Fundamentals of Internet of Things

Course Description:

Study of the Internet of Things (IoT) and related technologies, including solving practical programs using IoT, embedded, and edge technologies, as well as IoT device programming, sensing, actuating, communications, networking, and cloud technologies.

Credit Hours: 3 Prerequisite Courses:

ISE 350

Course Repeatability: Course may not be repeated.

ISE 444 - Wireless Sensor Networks

Course Description:

Fundamentals of wireless sensor networks, including hardware and radio architecture through protocols and software to applications. Sensor network architectures, hardware platforms, physical layer techniques, medium access control, routing, topology control, quality of service management, localization, time synchronization, security, storage, and other advanced topics.
Credit Hours: 3 Prerequisite Courses:

ISE 350

Course Repeatability: Course may not be repeated.

ISE 461 - Capstone Project I

Course Description:

First semester of a two-semester capstone course in Intelligent Systems Engineering. Topics include: identifying a suitable project, researching and evaluating existing solutions, proposing a new solution, performing concept definition and requirements analysis, preparing design documents (plans and specifications), and presenting a solution to a review board.
Credit Hours: 3 Prerequisite Courses:

ISE 360 and ISE 411

Additional Restrictions/Requirements:

Senior Standing

University Studies: ["Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated. Additional Course Fees: [""] Equivalent Courses: [""]

ISE 462 - Capstone Project II

Course Description:

Second semester of a two-semester capstone course in Intelligent Systems Engineering. Topics include: implementing the project plan, which includes working with stakeholders, executing the hardware design and implementation, developing system software, testing solutions, and deploying the solution. A functional model of the solution, a final report, and a project presentation are required.
Credit Hours: 3 Prerequisite Courses:

ISE 461.

Additional Restrictions/Requirements:

Senior Standing

University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

ISE 475 - Topics in Intelligent Systems Engineering

Course Description:

Topics of current interest in intelligent systems engineering not covered in existing courses. May be repeated under different subtitles.

Credit Hours: 3 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 9 Repeat Limit: 3

ISE 491 - Directed Individual Study

Course Description:

Investigation under faculty supervision beyond what is offered in existing courses. Written experience report and oral presentation required. For further information, consult the Directed Individual Studies section in this catalogue.

Credit Hours: 1 To 3 Additional Restrictions/Requirements:

Junior or senior standing, overall GPA of at least 2.50, GPA in ISE courses of at least 2.80, and consent of instructor, department chair, and dean.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 9 Repeat Limit: 2

ISE 495 - Seminar in Intelligent Systems Engineering

Course Description:

Presentations on current topics in intelligent engineering education and related subjects. Speakers may come from campus, other universities, or business, industry, or government.

Credit Hours: 1 Additional Restrictions/Requirements:

Senior Status.

Course Repeatability: Course may not be repeated.

ISE 498 - Internship in Intelligent Systems Engineering

Course Description:

Academic training and practical experience through work in a private company or public agency. Faculty supervision and evaluation of all study and on-site activity. Open to students of junior or senior standing who have been approved by the faculty supervisor, department chair, and dean. Written experience report and oral presentation required.

Credit Hours: 3 Additional Restrictions/Requirements:

Open to students of junior or senior standing who have been approved by the faculty supervisor, department chair, and dean.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 9 Repeat Limit: 3

ISE 499 - Honors in Intelligent Systems Engineering

Course Description:

Individual study for honors students.

Credit Hours: 3 Additional Restrictions/Requirements:

Instructor approval.

Course Repeatability: Course may not be repeated.

IDS 200 - Interdisciplinary Studies and Modern Problems

Course Description: Introduction to interdisciplinary studies and its six tracks. In order to understand each track, students study selected topics in six separate modules. Topics include but are not limited to: income inequality, access to healthcare, climate change, the ethics of incarceration, artificial intelligence and genomics, and artificial intelligence and the written word. Credit Hours: 3 Course Repeatability: Course may not be repeated.

IDS 300 - Introduction to Interdisciplinary Studies

Course Description:

Open only to students in the UNCW Seahawk Success Program. This course serves as a gateway for the UNCW Interdisciplinary Degree. Through writing and engagement with a core set of texts, students learn about different approaches to interdisciplinary studies and interdisciplinary research, as well as its applications for personal assessment and career development. Through research, a presentation, and a final project, students will reflect on their academic experiences and articulate a personal pathway through the Interdisciplinary Studies program. By the end of the course they will have established an interdisciplinary studies eportfolio that they will complete in IDS 400 .

Credit Hours: 3 University Studies: ["Building Competencies/Information Literacy", "Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

IDS 400 - Capstone in Interdisiciplinary Studies

Course Description:

Engages in interdisciplinary research, analysis, and writing. Students propose solutions to practical and topic-specific problems and develop a final paper through faculty and peer feedback. Students complete an e-portfolio that demonstrates and reflects on their academic and personal path through the IDS program.

Credit Hours: 3 Prerequisite Courses:

IDS 300

Additional Restrictions/Requirements:

Prerequisite course and open only to students in the UNCW Interdisciplinary Program.

University Studies: ["Building Competencies/Writing Intensive", "Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated. Major Restriction: Interdisciplinary Studies majors only

INB 294 - International Study Abroad

Course Description:

The course must be taken outside the U.S. and may consist of courses offered in the native language or in English that improve and enhance cultural understanding and knowledge of the working environment of a different country. This course cannot be used to meet an IB concentration elective. Approval must be obtained by International Business Program Director.

Credit Hours: 1 To 3 University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

INB 295 - Special Topics in International Business

Course Description:

Seminar in selected topics in international business. This course does not fulfill requirements towards any major or concentration in the Cameron School of Business.

Credit Hours: 1 To 3 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

INB 300 - International Business

Course Description:

Survey course of the importance of global issues as firms attempt to compete across the world. Key topics include: anticipating and preparing for global competition, understanding international trade theory and differences in political economies, reviewing global and regional economic integration, considering international market entry processes, and examining key cross-cultural issues affecting business operations.

Credit Hours: 3 Prerequisite Courses:

ECN 222

Additional Restrictions/Requirements:

Junior or senior standing, prerequisite course, or admission to the Cameron School of Business.

University Studies: ["Approaches and Perspectives/Living in a Global Society", "Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated.

INB 352 - International Management

Course Description:

Study of management practices in the international business arena. Emphasis on the necessity of understanding global business interdependencies. Particular attention to developing sensitivity to other cultures, values, customs, and beliefs and

their effects on business decisions and practices.
Credit Hours: 3 Prerequisite or Corequisite Courses:
MGT 350 .
Prerequisite Courses:
INB 300 .
Additional Restrictions/Requirements:
Prerequisite course and admission to Cameron School of Business.
Crosslisting:
MGT 352
Course Repeatability: Course may not be repeated.

INB 377 - International Operations Management

Course Description:
A study of global operations and logistics in the manufacturing and service sectors. Topics include organization of global operations, global manufacturing, global sourcing and logistics, global technology transfer, global risk management, and cultural and national comparisons of operations management practices. Case studies are used.
Credit Hours: 3 Prerequisite Courses:
INB 300 and SCM 370
Additional Restrictions/Requirements:
Prerequisite courses and admission to Cameron School of Business.
Crosslisting:
SCM 377
Course Repeatability: Course may not be repeated.

INB 394 - International Study Abroad

Course Description:
The course must be taken outside the U.S. and may consist of courses offered in the native language or in English that improve and enhance cultural understanding of the working environment of a different country. Approval must be obtained by International Business Program Director.
Credit Hours: 1 To 3 Additional Restrictions/Requirements:
Junior or senior standing.
University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

INB 426 - International Trade and Finance

Course Description:
A consideration of international trade theory and international financial institutions,

including comparative advantage, exchange rates and balance of payments problems.

Credit Hours: 3 Prerequisite Courses:

ECN 222 and INB 300

Additional Restrictions/Requirements:

Prerequisite courses and admission to Cameron School of Business.

Crosslisting:

ECN 426

Course Repeatability: Course may not be repeated.

INB 439 - Multinational Financial Management

Course Description:

An examination of the issues affecting the financial managers of multinational corporations. Topics include managing foreign exchange risk, international financial decisions, and factors affecting foreign direct investment.

Credit Hours: 3 Prerequisite Courses:

FIN 335 and INB 300

Additional Restrictions/Requirements:

Prerequisite courses and admission to Cameron School of Business.

Crosslisting:

FIN 439

Course Repeatability: Course may not be repeated.

INB 442 - International Marketing

Course Description:

Focus is on the special framework in which international marketing is conducted. Influence of international institutions, culture, stage of economic development, geography and demography are covered. Emphasis on multinational marketing problems and opportunities in an ever-changing world.

Credit Hours: 3 Prerequisite Courses:

INB 300 and MKT 340

Additional Restrictions/Requirements:

Prerequisite courses and admission to Cameron School of Business.

Crosslisting:

MKT 442

Course Repeatability: Course may not be repeated.

INB 491 - Directed Individual Study

Course Description:

Please enter a description.

Credit Hours: 1 To 6 Additional Restrictions/Requirements:

Junior or senior standing, consent of the international program director and admission to Cameron School of Business.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

INB 494 - International Business Study Abroad

Course Description:

This course must be taken outside the U.S. and may consist of courses offered in the native language or in English that improve and enhance cultural understanding and knowledge of the working environment of a different country. Approval must be obtained by the International Business Program Director.

Credit Hours: 1 To 3 Prerequisite Courses: INB 300 Additional Restrictions/Requirements:

Prerequisite course and admission to Cameron School of Business.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

INB 498 - Internship in International Business

Course Description:

Involves the application of international business education in organizations participating in some level of international business activity.

Credit Hours: 1 To 6 Prerequisite Courses: INB 300 Additional Restrictions/Requirements:

Prerequisite course, 3.00 GPA, consent of International Business Concentration Director, and admission to Cameron School of Business.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 9 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:

Additional Course Fee Schedule

INT 105 - Introduction to International Studies

Course Description:

An introductory, interdisciplinary survey of the main concepts and terminology associated with the broad, interdisciplinary field of international studies, including economic, geo-political, and socio-cultural globalization and the effects of these processes on individuals and communities.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in a Global Society"] Course Repeatability: Course may not be repeated.

INT 200 - Global Capitalism and its Discontents

Course Description:

An introduction to the history of capitalism, its alternatives, and its benefits and

drawbacks in the era of globalization.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Historical and Philosophical Approaches", "Approaches and Perspectives/Living in a Global Society", "Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

INT 215 - Interdisciplinary Approaches to the Politics of Globalization

Course Description:
Exploration of interdisciplinary and political dimensions of globalization, including the concept of "globalization", what it means in various contexts, and the way in which it developed through the Cold War and beyond. Introduction to an international political economy perspective, which is foundational to understanding globalization and the way we study the world in International Studies.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Understanding Human Institutions and Behaviors"] Course Repeatability: Course may not be repeated.

INT 220 - Cultural and Social Globalization

Course Description:
Exploration of contemporary cultural and social changes in the context of globalization. The course focuses on the ways in which various global and local cultural arenas reflect and are transformed by late capitalism's societal shift towards a mode of existence where images and consumerist desires have become the driving forces.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in a Global Society", "Critical Reasoning"] Course Repeatability: Course may not be repeated. Major Restriction: None Minor Restriction: None

INT 230 - Sustainability: From Global Goals to Local Action

Course Description:
Historical overview of how sustainability has been understood, and an introduction to the 17 Sustainable Development Goals (SDGs): what they are, how progress can be measured, and how the SDGs are relevant for the management of the global systems supporting humanity.
Credit Hours: 3 University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Repeat Limit: 1

INT 232 - Global Development and its Critics

Course Description: Exploration of the concept and practice of international 'development.' A study of the development's colonial and capitalist foundations as it evolved through phases such as modernization, globalization, neoliberalism, and extractivism. Credit Hours: 3 Course

Repeatability: Course may not be repeated.

INT 294 - International Student Exchange

Course Description:

Sophomore-level designation for UNCW students participating in a semester exchange program in another country.

Credit Hours: 12 University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

INT 300 - Interdisciplinarity and International Studies

Course Description:

An introduction to the rationale and application of interdisciplinarity to International Studies.

Credit Hours: 3 Prerequisite Courses:

INT 105

Additional Restrictions/Requirements:

Restricted to International Studies majors or minors.

University Studies: ["Building Competencies/Writing Intensive", "Information Literacy", "Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated.

INT 310 - Topics in Arts and Literature

Course Description:

Intensive study of a selected topic or theme in art or literature. May be repeated under different subtitles.

Credit Hours: 3 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

INT 311 - Film and the Feminine Ideal in Post Communist Eastern and Central European Cinema

Course Description:

An introduction to gender in transitional societies, politics, and economics through the medium of film with a focus on Post Communist Eastern and Central European women.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in a Global Society"] Course Repeatability: Course may not be repeated.

INT 314 - International NGOs, Globalization, and Development

Course Description:

Interdisciplinary overview of theories on the role international Nongovernmental Organizations play in the development of a country including development of political and economic institutions. Focus on the mounting internal and external challenges that threaten the promise of international Nongovernmental

organizations, particularly in the Global South.
Credit Hours: 3 Prerequisite Courses:
INT 105 or permission of instructor.
Course Repeatability: Course may not be repeated.

INT 315 - Topics in Globalization

Course Description:
Intensive study of a selected topic or theme in globalization. May be repeated under different subtitles.
Credit Hours: 3 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

INT 316 - Global Protest Movements

Course Description:
An examination of global protests and activism for social, political or economic change.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in A Global Society", "Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

INT 317 - Dictators, Despots, and Presidents for Life

Course Description:
An examination of global history and current events through the lens of despotic governments and authoritarian regimes.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

INT 318 - Transitional Justice

Course Description:
An overview of the major theories of transitional justice that considers the range of processes and mechanisms available. Examines the legacies of human rights abuses through the exploration of the field's most emblematic case studies from a number of countries, such as South Africa, Rwanda, Argentina, Chile, and Bosnia Herzegovina.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

INT 319 - Insurgency

Course Description:
Exploration of violent and nonviolent political movements by examining structural causes, mobilization, ideologies related to insurgencies, the global dimensions related to contagion effects, and transnational insurgent movements.
Credit Hours: 3 Course Repeatability: Course may not be repeated. Major Restriction: None Minor Restriction: None

INT 320 - Topics in the Global Environment

Course Description:

Intensive study of a selected topic or theme about the global environment. May be repeated under different subtitles.

Credit Hours: 3 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

INT 322 - Environmental Extractivism and the Anthropocene

Course Description:

Interdisciplinary exploration of environmental and development challenges brought about by climate change and resource extraction. Students engage with key social science approaches and different cultural perspectives on nature, ecology, and anthropogenic environmental change through diverse case studies.

Credit Hours: 3 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Repeat Limit: 1

INT 330 - Topics in Africa

Course Description:

Intensive study of a selected topic or theme about Africa. May be repeated under different subtitles.

Credit Hours: 3 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

INT 331 - The New Scramble for Africa

Course Description:

Interdisciplinary overview of environmental history and development in Africa from the colonial era to the present.

Credit Hours: 3 Course Repeatability: Course may not be repeated. Major Restriction: None Minor Restriction: None

INT 332 - Global Politics of Food: An African Perspective

Course Description:

An examination of the global political economy of food through interdisciplinary examples from Africa with an exploration of the evolution of the human diet and traditional food production systems; the importance of culture in assigning meaning to food and how it is consumed; relationships between population, nutrition, and health; standards in the international trade of foods; the history and politics of food aid; food sovreignity and sustainable development; and the relationship between the environment and food security.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

INT 333 - China in Africa

Course Description:

Examination of the historical and contemporary linkages between Africa and China. This course aims to provide students an opportunity to critically discuss and analyze China-Africa, or Africa-China, socioeconomic relations and their implications for future political relations.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

INT 335 - Topics in Asia

Course Description:
Intensive study of a selected topic or theme about Asia. May be repeated under a different subtitle.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

INT 336 - Modern China through Film

Course Description:
Examination of the social, cultural, economic, and political issues confronting modern China as constructed in feature films produced inside the country and the West including before and after the Communists came to power.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

INT 337 - China Encounters the World

Course Description:
Examination of how China has encountered the world since the 17th century, with emphasis on the late 19th and 20th centuries and how China has emerged as a major power in the 21st century.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

INT 338 - Modern Japan through Film

Course Description:
An exploration of how modern Japan, from the Togugawa period (1600-1867) through the Meiji Restoration (1868), and into the contemporary Showa (1926-1989) and Heisei (1989-) eras, has been constructed and represented in feature films.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

INT 339 - Japan Encounters the World

Course Description:
Focus on the emergence of Japan as a regional economic and political power in Asia, and global actor. Emphasis is given to Japan's historical transformation from isolation in the 17th century to a global power in the 20th and 21st centuries.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

INT 340 - Topics in Europe

Course Description:

Intensive study of a selected topic or theme about Europe. May be repeated under different subtitles.

Credit Hours: 3 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

INT 344 - Russia in the World

Course Description:

Exploration of Russia's internal self perception as a people and state coming to terms with a new existence in the Post-Cold War World. Russia has always perceived itself to be a major global actor, and struggles against Western interpretations of it as an aberrant state, and a regional actor only.

Credit Hours: 3 Course Repeatability: Course may not be repeated. Major Restriction: none Minor Restriction: none

INT 345 - Topics in Latin America

Course Description:

Intensive study of a selected topic or theme about Latin America. May be repeated under different subtitles.

Credit Hours: 3 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

INT 350 - Topics in the Middle East

Course Description:

Intensive study of a selected topic or theme about the Middle East. May be repeated under different subtitles.

Credit Hours: 3 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

INT 351 - The Contemporary Persian Gulf

Course Description:

Examination of the political, social, and economic history and issues of the Persian/Arabian Gulf in the 19th, 20th, and 21st centuries.

Credit Hours: 3 University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

INT 352 - The Contemporary Middle East

Course Description:

Examination of the political, social, and economic history and issues of the modern Middle East.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

INT 353 - Modern Iraq

Course Description:

Examination of the political, social, and economic history and various regional

issues concerning the nation-state of Iraq and how it relates to the Middle East region at-large in the 20th and 21st centuries.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

INT 360 - Global Development: African Perspectives

Course Description:
Examination of recent trends in global development based upon broad agendas designed and implemented under the following United Nations frameworks: the Millennium Development Goals (MDGs) and the Sustainable Development Goals (SDGs).
Credit Hours: 3 Course Repeatability: Course may not be repeated.

INT 361 - Ethnic Conflicts and Territorial Disputes

Course Description:
Examination of modern territorial disputes and ethnic conflicts in Asia, Europe, Africa and the Middle East in the 20th and 21st centuries.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

INT 362 - International Human Rights

Course Description:
Examination of basic human rights principles, instruments and institutions, and an overview of current issues and debates in practical and political dynamics of human rights. Takes a multi-disciplinary approach, drawing together contributions from political and social scientists, philosophers, lawyers, and policy experts and makes extensive use of case studies to illustrate key points.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

INT 363 - Global Political Economy

Course Description:
Explores the dynamic ways in which markets, states, and societies interact with one another, within a context of increasing global economic, political, and cultural interdependence. The course combines a focus on Global Political Economy's main theoretical approaches with the analysis of stringent issues triggered by the expansion and intensification of economic, political, and cultural life at a global level.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

INT 364 - Global Populism

Course Description:
An exploration of old and new populist movements, the causes of their resurgence in the United States and around the world, and their possible long-term

consequences.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

INT 365 - Globalization and Social Change

Course Description:
An examination of the relationship between globalization and the contemporary cultural and social changes, focusing on various global and local cultural arenas transformed by late capitalism's societal shift from a structural reliance on language and prohibition of enjoyment, to a mode of existence where images and consumerist enjoyment have become the driving force.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

INT 366 - Comparative Political Regimes through Film

Course Description:
A comparison of post-cold war films produced in Russia, the USA, and China as representatives of three civilizations: Eastern-Orthodox, Confucian, and Western; as well as of three political regimes; democracy, transitional democracy, and authoritarian.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

INT 367 - America through Foreign Eyes

Course Description:
An examination of how non-Americans view the United States and its citizens. The course will reveal both the positive and negative images of America and Americans, as well as how these images are created and perpetuated and their consequences.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

INT 369 - Edible Culture: Globalization, Food, and Identity

Course Description:
Study of Globalization and its relation to food consumption, health, nutrition, and food supply. Topics include food and cultural traditions, community building, construction of identities, and social relationships.
Course Repeatability: Course may be repeated.

INT 370 - Forced Migration and Refugees

Course Description:
Examines forced migration and the institutional response for resolving large-scale displacement, including the rights and responsibilities of different actors in the contemporary international refugee regime. Considers global and local responses to the challenges of forced migration, investigating the obstacles to providing effective

support for displaced persons.
Course Repeatability: Course may not be repeated.

INT 380 - Education in a Global Context

Course Description:
Examination of the field of comparative and international education, including a focus on exploring complex global educational issues of equity, access, and quality. The course explores comparative case studies of education around the world.
Credit Hours: 3 Crosslisting:
EDN 311 .
Course Repeatability: Course may not be repeated.

INT 394 - International Student Exchange

Course Description:
Junior-level designation for UNCW students participating in a semester exchange in another country.
Credit Hours: 1 To 12 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

INT 400 - The Cinema of Globalization

Course Description:
Study of globalization through the lens of cinema. Film as a popular means of socialization reflects and reinforces cultural characteristics, as well as offers a complex image of political life. This course, in line with the so-called "aesthetic turn" in International Studies helps students get a richer understanding of globalization through the medium of film.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

INT 405 - INT 405 - War in the Global System - Masters

Course Description:
Exploration of warfare in the post-Cold War era. Most wars today are Intrastate in nature, centered on identity, issues, and largely a consequence of decolonization processes. Explores these issues through interdisciplinary research drawn from the fields of peace studies and conflict management.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

INT 415 - Global Politics and Everyday Life in the Age of AI

Course Description: Exploration of the transformative impact of AI and machine learning on global politics and daily life, analyzing social trauma, identity, and shifts in time, space, and authority. This interdisciplinary course engages lived experiences, unfolding events, and multilayered analyses to examine security, social fantasy, and ontological challenges. Credit Hours: 3 Course

Repeatability: Course may not be repeated.

INT 480 - Global Issues

Course Description:

Intensive study of a selected international topic or theme. May be repeated for credit under a different subtitle.

Credit Hours: 3 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

INT 490 - Senior Seminar in International Studies

Course Description:

Advanced, interdiscipline study of topics that address critical developments and debates of contemporary international importance.

Credit Hours: 3 Prerequisite Courses:

INT 300

Additional Restrictions/Requirements:

International Studies major, and second semester junior or senior standing.

University Studies: ["Building Competencies/Writing Intensive and Information Literacy"] Course Repeatability: Course may not be repeated.

INT 491 - Directed Individual Study

Course Description:

Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.

Credit Hours: 1 To 3 Additional Restrictions/Requirements:

Junior or senior standing, overall GPA of at least 2.00, and consent of instructor, program director and dean.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

INT 494 - International Student Exchange

Course Description:

Senior-level designation for UNCW students participating in a semester exchange program in another country.

Credit Hours: 12 University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

INT 495 - Seminar in International Studies

Course Description:

Research of a selected international topic or theme. May be repeated under different subtitles.

Credit Hours: 3 Prerequisite Courses: INT 105 and INT 300 Additional Restrictions/Requirements:
Prerequisite courses or consent of instructor.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

INT 498 - Internship in International Studies

Course Description:
Experiential learning with selected international agencies and/or setting that provides practical experience. Faculty evaluation of all study and on-site activity will be in consultation with sponsoring agency.
Credit Hours: 1 To 6 Prerequisite Courses:
INT 105
Additional Restrictions/Requirements:
Junior or senior standing in International Studies, overall GPA of 3.00 or consent of instructor.
University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 6 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

INT 499 - Honors Work in International Studies

Course Description:
Independent study for honors students.
Credit Hours: 2 To 3 Additional Restrictions/Requirements:
Senior standing and eligibility for honors program.
University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

INT ___294 - Departmental Study Abroad

Course Description:
Sophomore-level designation for non-catalogue courses offered by a department abroad. Department attaches its prefix (in place of INT) to the number and lists the course(s) in the coming semester's schedule of classes. May be repeated under different subtitles.
Credit Hours: 1 To 6

INT ___394 - Departmental Study Abroad

Course Description:
Junior-level designation for non-catalogue courses offered by a department abroad. Department attaches its prefix (in place of INT) to the number and lists the course(s) in the coming semester's schedule of classes. May be repeated under different subtitles.

Credit Hours: 1 To 6

INT ___494 - Departmental Study Abroad

Course Description:

Senior-level designation for non-catalogue courses offered by a department abroad. Department attaches its prefix (in place of INT) to the number and lists the course(s) in the coming semester's schedule of classes. May be repeated under different subtitles.

Credit Hours: 1 To 6

ITN 101 - Introductory Italian I

Course Description:

Emphasis on achievement of an active command of the language. Aural-oral practice; intensive study of the basic patterns of spoken Italian; reading, writing, and basic conversation. For students with one unit or less of high school Italian.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

ITN 102 - Introductory Italian II

Course Description:

Emphasis on achievement of an active command of the language. Aural-oral practice; intensive study of the basic patterns of spoken Italian; reading, writing, and basic conversation.

Credit Hours: 3 Prerequisite Courses:

ITN 101 with a grade of C- or better.

Course Repeatability: Course may not be repeated.

ITN 201 - Intermediate Italian I

Course Description:

A review of the grammatical structure of the language. Application of the language in composition, conversation, and readings.

Credit Hours: 3 Prerequisite Courses:

ITN 102 with a C- or better.

Course Repeatability: Course may not be repeated.

ITN 202 - Intermediate Italian II

Course Description:

A review of the grammatical structure of the language. Application of the language in composition, conversation and readings.

Credit Hours: 3 Prerequisite Courses:

ITN 201 with a grade of C- or better.

Course Repeatability: Course may not be repeated.

JPN 101 - Introductory Japanese I

Course Description:

Emphasis on achievement of an active command of the language. Aural-oral practice; intensive study of the basic pattern of spoken Japanese; reading, writing, and basic conversation. For students with one unit or less of high school Japanese.

Credit Hours: 3 University Studies: ["Foundations/Foreign Language"] Course Repeatability: Course may not be repeated.

JPN 102 - Introductory Japanese II

Course Description:

Acquire basics of Japanese conversation, pronunciation, reading, and written composition with approximately 60 new kanji. Skills include self-introductions, make simple requests to do and not to do things, describe situations and people, and report what others think and say.

Credit Hours: 3 Prerequisite Courses:

JPN 101 with a C or better or sufficient score on placement exam or approved credit hour equivalents.

University Studies: ["Foundations/Foreign Language"] Course Repeatability: Course may not be repeated.

JPN 201 - Intermediate Japanese I

Course Description:

Able to sustain short conversations as well as create and understand short written compositions on familiar topics such as personal interests, preferences, future plans, and past experiences with about 140 kanji, while continuing to explore elements of Japanese material and nonmaterial culture.

Credit Hours: 3 Prerequisite Courses:

JPN 102 with a C or better or sufficient score on placement exam or approved credit hour equivalents.

Additional Restrictions/Requirements:

Sufficient score on placement exam or approved credit hour equivalents.

University Studies: ["Foundations/Foreign Language"] Course Repeatability: Course may not be repeated.

JPN 202 - Intermediate Japanese II

Course Description:

Study of spoken and written Japanese, including expressing abilities and desires, making and responding to requests, offering suggestions, making apologies, conveying second-hand information, and expressing doubt, all the while broadening

knowledge of Japanese culture. Introduces new constructions, including volitional, conditional, and benefactive verbs, as well as about 70 new kanji.
Credit Hours: 3 Prerequisite Courses:
JPN 201 with a C or better or sufficient score on placement exam or approved credit hour equivalents.
University Studies: ["Foundations/Foreign Language"] Course Repeatability: Course may not be repeated.

JPN 294 - Japanese Study Abroad I

Course Description:
Please enter a description.
Credit Hours: 1 To 9 University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

JPN 301 - Japanese Grammar and Composition I

Course Description:
Study of Japanese to include grammatically complex sentences, basic honorific and humble forms to respond to requests, to convey and understand emotion and impact, and to narrate hypothetical situations in speech and writing with approximately 300 kanji. Oral and written projects focus on intercultural exchange and Japanese material and non-material culture.
Prerequisite Courses:
JPN 202 with a C or better or sufficient score on placement exam or approved credit hour equivalents.
Course Repeatability: Course may not be repeated.

JPN 302 - Japanese Writing and Cultural Studies

Course Description:
Continuing review of the grammatical structure of Japanese at the intermediate high level. Emphasis on development of application in composition, conversation, and readings through an oral and written presentation project and extensive use of authentic materials and translation.
Credit Hours: 3 Prerequisite Courses:
JPN 202
Additional Restrictions/Requirements:
Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

JPN 307 - Japanese Phonetics, Phonology, & Pronunciation

Course Description:

Introduction to the sound system of Japanese language varieties from the perspective of applied linguists and language learners. Description and comparison of Japanese vowels, consonants, mora timing, pitch-accent, intonation, and other features. Pronunciation training with a focus on intelligibility, and introduction to sociolinguistic factors in speech patterns.

Credit Hours: 3 Prerequisite Courses:

JPN 102 with C or higher or equivalent on Japanese placement test

Additional Restrictions/Requirements:

Instructor approval for only those students taking the course online through the UNC Exchange, since this requires separate steps to ensure proficiency

University Studies: ["Approaches and Perspectives/Understanding Human Institutions and Behaviors"] Course Repeatability: Course may not be repeated.

JPN 311 - Perspectives on Contemporary Japanese Culture

Course Description:

Social, economic, and political issues in contemporary Japanese culture explored through a variety of sources with particular emphasis on comparing and contrasting Japanese and international perspectives on trends and issues of global significance including national identity, the family unit, rights and responsibilities of individuals, and sustainability. Course taught in English.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in a Global Society"] Course Repeatability: Course may not be repeated.

JPN 394 - Departmental Study Abroad II

Course Description:

Junior-level designation for non-catalogue courses offered by a department abroad. Course may be repeated under different subtitles.

Credit Hours: 1 To 6 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

JPN 491 - Directed Individual Study

Course Description:

Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.

Credit Hours: 1 To 3 Additional Restrictions/Requirements:

Junior or senior standing, overall GPA of at least 2.00, and consent of instuctor, department chair, and dean.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

LAT 101 - Introductory Latin I

Course Description:

Emphasis on achievement of an active knowledge of the Latin language and reading ability in classical Latin. Intensive study of Latin grammar, aural/oral practice; reading from Latin authors, especially Ovid; discussions to introduce the students to the literature, culture and society of ancient Rome.

Credit Hours: 3 University Studies: ["Foundations/Foreign Language"] Course Repeatability: Course may not be repeated.

LAT 102 - Introductory Latin II

Course Description:

The second course in a two-course sequence. Please see LAT 101 for description.

Credit Hours: 3 University Studies: ["Foundations/Foreign Language"] Course Repeatability: Course may not be repeated.

LAT 201 - Intermediate Latin I

Course Description:

A review of the grammatical structure of the language. Emphasis on developing reading skills through readings from various Latin authors.

Credit Hours: 3 Prerequisite Courses:

LAT 102

University Studies: ["Foundations/Foreign Language"] Course Repeatability: Course may not be repeated.

LAT 202 - Intermediate Latin II

Course Description:

The second course in a two-course sequence. Please see LAT 201 for description.

Credit Hours: 3 University Studies: ["Foundations/Foreign Language"] Course Repeatability: Course may not be repeated.

LAT 491 - Directed Individual Study

Course Description:

Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.

Credit Hours: 1 To 3 Additional Restrictions/Requirements:

Junior or senior standing, overall GPA of at least 2.00, and consent of instructor, department chair and dean.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

LED 211 - Principles of Leadership

Course Description:

Introduction to leadership. Study of leadership theories, styles, and strategies. Emphasis on developing leadership skills in a variety of settings.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Understanding Human Institutions and Behaviors"] Course Repeatability: Course may not be repeated.

LED 311 - Communication and Leadership

Course Description:

Theory and practice of leadership. Focuses on issues of cohesiveness, trust, motivation, vision, and goals. Development of conflict management and decision-making goals.

Credit Hours: 3 Prerequisite Courses:

LED 211

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated.

LED 384 - Leadership for Social Justice and Allyship

Course Description:

Students will practice implementing social justice leadership concepts in the classroom to develop an understanding of social systems and structures that reinforce power differentials, privilege, and oppression. This course draws heavily on critical self-reflection to explore how leadership, as an inclusive process, shapes experiences related to multiculturalism and social justice within the university and community.

Credit Hours: 3 Prerequisite Courses:

LED 211 .

Course Repeatability: Course may not be repeated.

LED 385 - Global Applications of Leadership

Course Description:

This course is designed to accompany faculty-led study abroad in the Leadership Studies Minor. The course provides opportunities to learn about leadership in another country, observe and interact with organizational leaders in multiple settings, and apply leadership theory and knowledge in an international context through completion of a leadership project.

Credit Hours: 1 To 3 Course Repeatability: Course may be repeated.

LED 411 - Contemporary Leadership Applications

Course Description:

Concepts related to leadership. Ability to envision and implement change for the common good using diverse perspectives and contexts. Applies leadership and organizational theories through real world experience and contemporary issues.
Credit Hours: 3 Prerequisite Courses: LED 311 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

LED 414 - Leadership and Advocacy in Young Adult Literature and Film

Course Description:

Explore leadership and advocacy through the perspectives of young adult literature and film. A focus on the foundations of leadership theory, with guiding frameworks and approaches to leadership, allows students to start identifying their own strengths and abilities to impact positive change.
Credit Hours: 3 Course Repeatability: No

LED 424 - Evaluation in Support of Organizational Learning

Course Description:

In this course, students develop an understanding of evaluation and its role in learning organizations, with emphasis on evaluating learning, performance, and change initiatives. Major components of the course include program and training evaluation, strategic learning, systems thinking, evaluation principles and guidelines, and organizational learning and change.
Credit Hours: 3 Crosslisting:

EDL 524.

Course Repeatability: Course may not be repeated. Additional Course Fees: ["None"]

LED 491 - Directed Individual Study

Course Description:

For further information, consult the Directed Individual Studies section in this catalogue.
Credit Hours: 1 To 3 Additional Restrictions/Requirements:

Junior or senior standing, overall GPA of at least 2.00, and consent of program coordinator and instructor.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

LED 495 - Selected Topics in Leadership Studies

Course Description:

Selected topics in leadership studies of varying duration and credit.
Credit Hours: 1 To 3 Additional Restrictions/Requirements:

Junior or senior standing.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

LIB 101 - Basic Library and Information Research Skills

Course Description:

Concepts and methodology for locating, selecting, and evaluating information, with an emphasis on electronic resources. Overview of the structure and organization of information.

Credit Hours: 1 Course Repeatability: Course may not be repeated.

LIB 103 - Introduction to Library Research and Technology

Course Description:

Exploration of concepts in library science and information technology. Emphasis on the evolving nature, trends, and issues relating to information. Development of skills in information retrieval and analysis using both print and electronic resources.

Credit Hours: 3 University Studies: ["Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

LIB 104 - Library and Information Research Skills in Business

Course Description:

An introduction to business information resources and research including the evolution of information, trends and issues in using resources such as catalogs and subscription databases. Students learn to construct effective search strategies, to find and retrieve information, critically evaluate resources and use web sites for research.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

LIB 105 - Library and Information Research Skills in the Sciences

Course Description:

Examination of research and information retrieval methods in scientific research. Emphasis on analysis of print and electronic resources, subscription databases, and evolution of information technology in the dissemination and communication of scientific information.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

LIB 203 - Lifelong Library & Information Research Skills

Course Description:

Exploration of research skills and tools needed by library and information-literacy savvy citizens. Emphasis on information retrieval and analysis using freely available sources (such as public libraries and the open web).

Credit Hours: 3 Additional Restrictions/Requirements:

Junior or senior standing.

University Studies: ["Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

MGT 295 - Special Topics in Management

Course Description:

Seminar in selected topics in management. This course does not fulfill requirements towards any major or concentration in the Cameron School of Business.

Credit Hours: 1 To 3 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

MGT 350 - Principles of Management

Course Description:

Study of theories, research and concepts underlying the structure and processes of complex organizations. Emphasis on problem solving issues and applications in organization design, leadership, motivation and interpersonal communications.

Credit Hours: 3 Additional Restrictions/Requirements:

Sophomore standing or admission to the Cameron School of Business.

University Studies: ["Approaches and Perspectives/Living in Our Diverse Nation", "Approaches and Perspectives/Understanding Human Institutions and Behaviors"] Course Repeatability: Course may not be repeated.

MGT 351 - Green Business and Sustainable Enterprise

Course Description:

Examination of green business and sustainable enterprise from multiple perspectives. Emphasis on how organizations create a sustainable focus in their productive activities and successfully compete in the eco-friendly marketplace. Particular attention directed to regulatory trends that impact green enterprises, the development of sustainable technologies, and the management of entrepreneurial efforts in green industries.

Credit Hours: 3 Additional Restrictions/Requirements:

Junior Standing

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

MGT 352 - International Management

Course Description:

Study of management practices in the international business arena. Emphasis on the necessity of understanding global business interdependencies. Particular attention to developing sensitivity to other cultures, values, customs, and beliefs and their effects on business decisions and practices.

Credit Hours: 3 Prerequisite or Corequisite Courses:

MGT 350 .

Prerequisite Courses:

INB 300 .

Additional Restrictions/Requirements:

Prerequisite courses and admission to Cameron School of Business.

University Studies: ["Building Competencies/Writing Intensive"] Crosslisting:

INB 352

Course Repeatability: Course may not be repeated.

MGT 353 - People Analytics

Course Description:

This course will prepare students to create and properly analyze existing scales pertaining to workplace performance, training, engagement, employee satisfaction, turnover intentions and other outcomes from the field of talent acquisition, management, and development.

Credit Hours: 3 Prerequisite or Corequisite Courses:

MGT 356

Prerequisite Courses:

MGT 350

Additional Restrictions/Requirements:

BS Business Administration and Admission to Cameron School of Business

Course Repeatability: Course may not be repeated. Major Restriction: BS Business Administration

MGT 354 - Managing Innovation and Technology

Course Description:

Development and adoption of new technology in corporate operations. Attention directed to creating an environment that fosters continuous improvement through experimentation, innovation, and change. Topics include the nature of technology, its role in business strategy, technological forecasting, the creative process, organization and management of professional personnel, and project management techniques.

Credit Hours: 3 Additional Restrictions/Requirements:

Admission to Cameron School of Business.

Crosslisting:

EBD 354

Course Repeatability: Course may not be repeated.

MGT 355 - Ethics in Management

Course Description:

Every person will face a moral or ethical quandary at some juncture in a career. This course will help prepare today's graduates (future employees and managers) to think in a structured, orderly way about their obligations to their companies and to other people. Ethics experts argue students must develop the skills needed to convincingly present their moral point of view so they may ethically represent their organizations, safeguard their careers, and protect their societies. Students will explore historical and contemporary cases in managerial ethics applying theories of ethical reasoning. Topics will relate to ethical problems in business management, moral analysis and economic outcomes, legal requirements underscoring ethical management, ethical duties of managers and business owners, and practical/legal reasons businesses should be ethical. Students will discuss how to identify unethical conduct and how to appropriately respond to it. The link between ethics and corporate culture will be reinforced.

Credit Hours: 3 Prerequisite Courses:

MGT 350 .

Course Repeatability: Course may not be repeated.

MGT 356 - Human Resource Management

Course Description:

Evaluation of concepts and approaches used in human resource management and development. Study of manpower planning, selection procedures, performance review, compensation and benefits, equal employment/affirmative action factors, and labor relations. Emphasis is on how personnel specialists and operating managers can improve organizational performance.

Credit Hours: 3 Prerequisite Courses:

Prerequisite or Corequisite: MGT 350

Additional Restrictions/Requirements:

Admission to Cameron School of Business.

Course Repeatability: Course may not be repeated.

MGT 357 - Hospitality Management

Course Description:

The course provides a general overview of the hospitality industry and the issues related to successful management of businesses within this industry. In particular, these sectors include food service, lodging, entertainment, medical, and other related industries such as cruise lines and supplier industries. Special attention will be given to the hospitality sector in the Carolinas, and issues related to entrepreneurship within hospitality.

Credit Hours: 3 Additional Restrictions/Requirements:

Admission to Cameron School of Business.

Course Repeatability: Course may not be repeated.

MGT 358 - Organizational Behavior

Course Description:

Application of behavioral science concepts in the management of organizations. Emphasis on increasing productivity on the individual, group, and organizational level. Particular attention directed to analyzing organizations, developing motivational programs, designing enriching jobs, leadership development, and managing organizational change.

Credit Hours: 3 Prerequisite or Corequisite Courses:

MGT 350 .

Additional Restrictions/Requirements:

Admission to Cameron School of Business.

Course Repeatability: Course may not be repeated.

MGT 359 - Talent Acquisition

Course Description:

This is an advanced course designed for management and human resource students. Upon completion, students will be able to develop and execute a recruitment and selection plan that ensures the organization is able to attract and retain top talent in order to meet company objectives. Students will gain expertise in designing and conducting valid employment interviews. Attention is given to the legal environment, planning, and job analyses.

Credit Hours: 3 Prerequisite or Corequisite Courses:

MGT 356

Prerequisite Courses:

MGT 350

Additional Restrictions/Requirements:

BS Business Administration and Admission to Cameron School of Business.

Course Repeatability: Course may not be repeated. Major Restriction: BS Business Administration

MGT 452 - Leadership and Organizational Change

Course Description:

Study the processes associated with transforming organizations in a world of continuous change. Particular attention on leadership skills, ethics, organizational structure, and corporate culture with the shared purpose of fostering innovation, continuous improvement, and organizational performance.

Credit Hours: 3 Prerequisite or Corequisite Courses:

MGT 358 .

Prerequisite Courses:

MGT 356 .

Additional Restrictions/Requirements:

Prerequisite courses and admission to Cameron School of Business.

University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

MGT 453 - Leading Virtual Teams

Course Description:

Modern organizational structures require leaders to be able to design and cultivate effective and efficient collaboration in teams – whether co-located, distributed, virtual, or any combination thereof. This course presents the state-of-the-science of leading collaboration in today's digital workforce. The goal of this course is to develop the capacity to lead collaboratively, regardless of the context in which your team works. Understanding the core actions of leaders and how they shape needed team properties is crucial to success. The course will leverage a variety of tools to promote both skill and knowledge building: exercises, cases, readings, videos, discussions, a self-assessment, and guided self-reflection.

Credit Hours: 3 Prerequisite or Corequisite Courses:

MGT 350

Additional Restrictions/Requirements:

Admission to Cameron School of Business

Course Repeatability: Course may not be repeated. Major Restriction: BS Business Administration

MGT 455 - Competitive Strategy

Course Description:

A senior capstone course integrating the functional business areas of the firm. This course emphasizes strategic planning for competitive advantage, industry and competitor analysis, strategy formulation, globalization, implementation of strategies, and effective communication with various internal and external stakeholders of the firm. This course satisfies the oral competency requirement for the B.S. degree in business administration.

Credit Hours: 3 Prerequisite Courses:

BLA 361 and FIN 335 and INB 300 and MGT 350 and MIS 213 and MKT 340 and SCM 370

Additional Restrictions/Requirements:

Admission to Cameron School of Business, completion of all prerequisite courses, and completion of at least 9 hours in concentration before taking MGT 455. Students should plan on taking this course in their final semester of study.
University Studies: ["Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

MGT 456 - Employee and Labor Relations

Course Description:
Study of the current legislation affecting employee and labor relations, union organizing, collective bargaining, contract administration, union-management relations, and best practices in employee relations in both unionized and non-unionized environments.
Credit Hours: 3 Additional Restrictions/Requirements:
Admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.

MGT 457 - Training & Talent Development

Course Description:
Understanding of the processes involved in developing, administering, and evaluating effective talent development programs that will increase the productivity of employees and organizations. Particular attention on assessing training needs, identifying learning objectives, and using technology in the delivery of talent development programs.
Credit Hours: 3 Prerequisite or Corequisite Courses:
MGT 350 and MGT 356
Additional Restrictions/Requirements:
BS Business Administration and Admission to Cameron School of Business
University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated. Major Restriction: BS Business Administration

MGT 458 - Total Rewards

Course Description:
Examination of how compensation, benefits, motivation and evaluation systems can be used to enhance the satisfaction and performance of organizational talent. Particular attention on job analysis, job evaluation, pay levels and structures, pay for performance plans, performance appraisals, benefits, and general pay administration.
Credit Hours: 3 Prerequisite or Corequisite Courses:
MGT 356

Additional Restrictions/Requirements:

Admission to Cameron School of Business

Course Repeatability: Course may not be repeated.

MGT 459 - Negotiation

Course Description:

Study of theory, research and practice in negotiation. Topics include social dilemmas, distributive bargaining, integrative agreements, multiple-party scenarios, dispute resolution, third-party interventions and ethics. Negotiation exercises provide experience in a variety of contexts.

Credit Hours: 3 Additional Restrictions/Requirements:

Admission to Cameron School of Business.

Course Repeatability: Course may not be repeated.

MGT 491 - Directed Individual Study

Course Description:

Please enter a description.

Credit Hours: 1 To 6 Additional Restrictions/Requirements:

Junior or senior standing and consent of department chairperson and admission to Cameron School of Business.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

MGT 495 - Seminar in Management

Course Description:

This course may be repeated under a different subtitle.

Credit Hours: 1 To 3 Additional Restrictions/Requirements:

Junior or senior standing and consent of the department chairperson and admission to Cameron School of Business.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

MGT 498 - Internship in Management

Course Description:

Involves the application of management in a real world setting.

Credit Hours: 1 To 6 Prerequisite Courses: MGT 350 Additional Restrictions/Requirements:

Junior or senior standing, prerequisite course, 3.00 GPA in Cameron School of Business and admission to Cameron School of Business. For students seeking a HRM internship, MGT 356 must be completed.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:

Additional Course Fee Schedule

MGT 499 - Honors Work in Management

Course Description:

Independent work for honors students.

Credit Hours: 2 To 3 Additional Restrictions/Requirements:

Senior standing and admission to Cameron School of Business.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

MIS 213 - Business Technology and Intelligence

Course Description:

This course is designed to introduce students to the impacts of information systems on the firm, industry, society, and the economy. The management of the information resource and issues related to accessing, processing, and distributing information within a business context are emphasized. Students will analyze the role of information systems in reaching organizational objectives including communication, collaboration, performance improvement and strategy implementation. Skill-based learning will reinforce strategic information systems concepts.

Credit Hours: 3 University Studies: ["Building Competencies/Information Literacy", "Approaches and Perspectives/Understanding Human Institutions and Behaviors"] Course Repeatability: Course may not be repeated.

MIS 216 - Introduction to Business Application Development

Course Description:

An introduction to computer programming in a business context using a modern high-level programming language. Topics include program flow constructs, programming logic, objects, and other basic programming techniques.

Credit Hours: 1 Course Repeatability: Course may not be repeated.

MIS 295 - Special Topics in Information Systems

Course Description:

Seminar in selected topics in information systems. This course does not fulfill requirements towards any major or concentration in the Cameron School of Business.

Credit Hours: 1 To 3 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

MIS 303 - Programming for Analytics

Course Description:

This course introduces the essential general programming concepts and techniques

for data analytics. Students will learn programming foundations, application development, and how to integrate applications with business operations. The course covers hands-on issues in programming for analytics, which includes accessing data, manipulating data objects, analyzing data using common statistical methods, generating reproducible statistical reports, and creating informative visualizations.

Credit Hours: 3 Prerequisite Courses:

MIS 213 or CIT 110

Additional Restrictions/Requirements:

Admission to Cameron School of Business or declared BS Information Technology major.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3 Major Restriction: BS Business Administration or BS Information Technology

MIS 305 - Data Visualization

Course Description:

This course provides design principles for creating displays of quantitative and qualitative data to facilitate managerial decision-making. The use of popular and powerful data visualization and dashboarding software tools is emphasized.

Credit Hours: 3 Prerequisite Courses:

BAN 305

Additional Restrictions/Requirements:

Admission to Cameron School of Business or declared BS Information Technology major.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3 Major Restriction: BS Business Administration or BS Information Technology

MIS 306 - Text Data Analytics

Course Description:

The past decade has witnessed an explosion of digital text-based data produced by social media platforms, websites, emails, and the digitization of historical archives. These new data sources hold enormous potential to address a range of problems in various fields. Quantitative text analytics techniques allow us to derive insights from these data. This course explores methods for pre-processing, analyzing, and visualizing text-based data. Students will use current software tools to perform data analytics.

Credit Hours: 3 Prerequisite Courses:

BAN 280 or STT 215

Additional Restrictions/Requirements:

Admission to Cameron School of Business or declared BS Information Technology major.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3 Major Restriction: BS Business Administration or BS Information Technology

MIS 310 - Web Development Languages

Course Description:

Study of the design and creation of web pages that support traditional screens, tablets, and smart devices. Topics include page structure, human-computer interface design, style sheets, reusability, and design concepts. Best industry practices in web development, such as client-side scripting languages and Search Engine Optimization (SEO) techniques, will also be considered.

Credit Hours: 3 Prerequisite or Corequisite Courses:

or (CSC 112 or CSC 131 or MIS 216)

Prerequisite Courses:

CIT 110 or MIS 213

Additional Restrictions/Requirements:

One prerequisite or corequisite course is required: Choose CIT 110 or MIS 213 as a prerequisite course or one of CSC 112, CSC 131, or MIS 216 as a pre- or corequisite course.

Admission to Cameron School of Business or declared BS Information Technology major or declared BS Cybersecurity major or declared BS Computer Science or declared BA Digital Arts or declared Cybersecurity minor or declared Digital Arts minor.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3 Major Restriction: BS Business Administration or BS Information Technology or BS Cybersecurity or BS Computer Science or BA Digital Arts Minor Restriction: Cybersecurity Minor or Digital Arts Minor

MIS 315 - Management of Database Systems

Course Description:

Study of the design and administration of database systems in a business environment. The relational model is used along with database management software to facilitate the communication and distribution of data and its conversion into information, with an emphasis on sound design principles. Topics include entity-relationship modeling, normalization, and the structured query language (SQL).

Credit Hours: 3 Prerequisite Courses:

MIS 213 or CIT 213

Additional Restrictions/Requirements:

Admission to Cameron School of Business or one of the above declared majors or minors.

Course Repeatability: Course may not be repeated. Major Restriction: BS Business Administration or BS Information Technology Minor Restriction: GIS, Remote Sensing and UAS or Information Technology or Public Administration

MIS 316 - Business Application Development

Course Description:

Intermediate programming in an event driven, rapid application development context. Emphasis is on writing high-quality code that is easy to debug, test, and maintain, culminating in database interaction.

Credit Hours: 3 Prerequisite or Corequisite Courses:

and MIS 216 and MIS 315

Prerequisite Courses:

CSC 112 or CSC 131

Additional Restrictions/Requirements:

Students must take MIS 315 as a prerequisite or corequisite. Students must also take one of the following three courses (CSC 112 or CSC 131 as a prerequisite) or (MIS 216 as a prerequisite/corequisite).

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3 Major Restriction: BS Business Administration or BS Information Technology

MIS 319 - Health Informatics

Course Description:

The course aims to give students a basic proficiency in health informatics. Health informatics encompasses the application of computing to healthcare delivery; population and public health; community-based clinical research; and the potential for big data and analytics to transform the field. The students will complete a variety of exercises and projects designed to provide a hands-on experience with state-of-the-art health informatics tools and systems.

Credit Hours: 3 Prerequisite Courses:

MIS 213

Additional Restrictions/Requirements:

Admission to Cameron School of Business or declared BS Information Technology major.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3 Major Restriction: BS Business Administration or BS Information Technology

MIS 320 - Network Fundamentals

Course Description:

Introduction to the OSI model, network topologies, IP addressing and subnet masks, simple routing techniques, and basic switching terminology. Topics include the basic functions of the seven layers of the OSI model, different classes of IP addressing and subnetting, router login scripts.

Credit Hours: 3 Prerequisite or Corequisite Courses:

CIT 110 or CYBR 201 or MIS 213

Additional Restrictions/Requirements:

Admission to Cameron School of Business or declared BS Cybersecurity major or declared BS Information Technology major or declared Cybersecurity minor

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3 Major Restriction: BS Business Administration or BS Cybersecurity or BS Information Technology Minor Restriction: Cybersecurity Minor

MIS 323 - Business Telecommunications and Enabling Technologies

Course Description:

A study of the role of telecommunications in businesses as well as emerging networking/security technologies that will enable and potentially change how organizations conduct business in a networked economy. The course covers telecommunication topics such as the network layers, architecture, design, and use of telecommunications technologies and systems (with an emphasis on local area networks). The course also focuses on various emerging technologies (e.g., cloud) and the potential business impact of these technologies.

Credit Hours: 3 Prerequisite Courses:

MIS 213

Additional Restrictions/Requirements:

Admission to Cameron School of Business or declared BS Information Technology major or declared BS Cybersecurity major or declared Cybersecurity minor or declared Public Administration minor.

University Studies: "Building Competencies/Writing Intensive" Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3 Major Restriction: BS Business Administration or BS Information Technology or BS Cybersecurity Minor Restriction: Cybersecurity Minor or Public Administration Minor

MIS 326 - Digital Transformation in Business

Course Description:

Introduction to the intersection of digital technologies and the transformation of modern business functions. Focus on cloud computing, the Internet of Things, and artificial intelligence, with consideration of business strategies, models, and operations. Based on real-world case

discussions and hands-on exercises with practice in critical thinking and other soft skills.
Credit Hours: 3 Prerequisite Courses:

MIS 213 or CIT 110

Additional Restrictions/Requirements:

Admission to Cameron School of Business or declared BS Information Technology major

Course Repeatability: Course may not be repeated. Major Restriction: BS Business Administration or BS Information Technology

MIS 327 - Data Management

Course Description:

This course covers modern data management strategies, focusing on design, construction, and administration of data systems. Students will learn to analyze data using AI techniques, covering topics like data organization, automation, security, governance, and optimization. Skills gained will help manage data in complex environments.

Credit Hours: 3 Prerequisite Courses:

MIS 315

Additional Restrictions/Requirements:

Admission to Cameron School of Business or declared BS Information Technology major or declared BS Cybersecurity major

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3 Major Restriction: BS Business Administration or BS Information Technology or BS Cybersecurity

MIS 328 - Application Lifecycle Management

Course Description:

Modern software development processes, practices, and management. Topics include development operations (DevOps) techniques such as configuration management, platform deployment and testing & monitoring of applications. Students will have hands-on experience with an enterprise level application lifecycle management system.

Credit Hours: 3 Prerequisite Courses:

MIS 316

Additional Restrictions/Requirements:

Admission to Cameron School of Business or declared BS Information Technology major.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3 Major Restriction: BS Business Administration or BS Information Technology

MIS 329 - Reporting and Business Intelligence

Course Description:

Modern operational reporting and business intelligence (BI) techniques facilitate enterprise decision making by supporting data manipulation, analysis, and visualization. This class is a study of reporting and BI processes, practices, and management and their role in enterprise decision making. Topics include data manipulation and analysis, data visualization, interactive dashboards, reporting, charting, and graphs generation. The class will consist of hands-on experience with a modern, enterprise-level report writing software.

Credit Hours: 3 Prerequisite Courses:

MIS 213 or CIT 213

Additional Restrictions/Requirements:

Admission to Cameron School of Business or declared BS Information Technology major.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3 Major Restriction: BS Business Administration or BS Information Technology

MIS 330 - Data Storage and Management

Course Description:

Design, construction, and management of hybrid storage. Topics include storage of documents, key-value pairs, objects, files, tables and caches, data and storage area networks. Techniques to be covered include replication, compression, authentication, authorization, load balancing, and data management. The course includes hands-on experience with modern, enterprise-level storage products.

Credit Hours: 3 Prerequisite Courses:

MIS 327

Additional Restrictions/Requirements:

Admission to Cameron School of Business or declared BS Information Technology major.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3 Major Restriction: BS Business Administration or BS Information Technology

MIS 331 - Mobile Applications Development

Course Description:

The course focuses on cross platform development of mobile applications. Topics covered include mobile app development with integration and interface design, working with persistent data, list, hardware/sensors and business issues including app publishing and distribution. Course delivery includes lectures, hands-on exercises, and projects covering app development across various platforms.

Credit Hours: 3 Prerequisite Courses:

MIS 216

Additional Restrictions/Requirements:

Admission to Cameron School of Business or declared BS Information Technology major.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3 Major Restriction: BS Business Administration or BS Information Technology

MIS 352 - Windows Systems Administration

Course Description:

Provides students with skill to perform basic operations involved in system administration of Microsoft Windows based systems. Provides students with the ability to apply methods such as managing applications, services, and network ports to improve the robustness of operating systems.

Credit Hours: 3 Prerequisite Courses:

MIS 320 or MIS 323 or CSC 344 with a minimum grade of C-

Additional Restrictions/Requirements:

Admission to Cameron School of Business or declared BS Information Technology major or declared BS Cybersecurity major or declared BS Intelligent Systems Engineering major or declared Cybersecurity minor.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3 Major Restriction: BS Business Administration or BS Information Technology or BS Cybersecurity or BS Intelligent Systems Engineering Minor Restriction: Cybersecurity Minor

MIS 363 - Advanced Telecommunications

Course Description:

The architecture, components, operations, and security of routers and switches in small networks, introduction to wireless local area networks (WLAN) and to scale for large, complex networks, including wide area network (WAN) technologies are described. The course emphasizes network security concepts and introduces network virtualization and automation. Students learn how to configure, troubleshoot, and secure enterprise network devices and understand how application programming interfaces (API) and configuration management tools enable network automation.

Credit Hours: 3 Prerequisite Courses:

MIS 320

Additional Restrictions/Requirements:

Admission to Cameron School of Business or declared BS Information Technology major or declared BS Cybersecurity major or declared Cybersecurity minor.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3 Major

Restriction: BS Business Administration or BS Information Technology or BS Cybersecurity Minor Restriction: Cybersecurity Minor

MIS 367 - Emerging Network Technologies

Course Description:

This course investigates cloud computing models, techniques, and architectures. Cloud computing has evolved as a very important computing model, which enables information, software, and other shared resources to be provisioned over the network as services in an on-demand manner. Students will be exposed to the current practices in cloud computing. Topics may include distributed computing models and technologies, Infrastructure-as-a-Service (IaaS), Platform-as-a-Service (PaaS), Software-as-a-Service (SaaS), virtualization, security and privacy issues, performance and system issues, capacity planning, disaster recovery, Cloud OS, federated clouds, challenges in implementing clouds, data centers, hypervisor CPU and memory equipment, cloud-hosted applications, and other advanced and research topics in cloud computing. Course work will include homework assisgnments, presentations, and a term project that will provide exposure to scientific research in cloud computing.

Credit Hours: 3 Prerequisite Courses:

MIS 320

Additional Restrictions/Requirements:

Admission to Cameron School of Business or declared BS Information Technology major or declared Cybersecurity minor.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3 Major Restriction: BS Business Administration or BS Information Technology Minor Restriction: Cybersecurity Minor

MIS 370 - Problem-Solving with Artificial Intelligence

Course Description:

Introduction to the technical skills needed to effectively leverage AI within a business context. Exploration of fundamental concepts of AI, including machine learning, deep learning, data science, and data analytics. Implementation of AI solutions through hands-on coding projects to solve complex business problems, enhance decision-making processes, and drive innovation.

Credit Hours: 3 Additional Restrictions/Requirements:

Junior Standing or Senior Standing and Admission to Cameron School of Business or declared BS Information Technology major.

Course Repeatability: Course may not be repeated. Major Restriction: (Junior Standing or Senior

Standing) and (BS Business Administration or BS Information Technology)

MIS 411 - Information Systems Analysis

Course Description:

Processes and methods used for identifying and documenting information systems requirements and developing systems specifications. Topics include the systems development life cycle, analysis tools, development methodologies, and techniques for effective communication.

Credit Hours: 3 Prerequisite or Corequisite Courses:

MIS 315 .

Prerequisite Courses:

Prerequisite: CIT 213 with a minimum grade of C-, or prerequisite/corequisite: MIS 315 .

Additional Restrictions/Requirements:

Admission to Cameron School of Business for students majoring in Business Administration, and students majoring in Information Technology B.S.

University Studies: ["Building Competencies/Information Literacy", "Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated.

MIS 413 - Systems Design/Capstone Project

Course Description:

Involves the analysis, design and implementation of a real world project employing a 3-tier development process. New skills introduced include advanced web development concepts, emerging web tools, and project management. Topics expanded are database design, systems analysis and design, UML, and technical communication.

Credit Hours: 3 Prerequisite Courses:

MIS 316 and MIS 411 .

Additional Restrictions/Requirements:

Admission to Cameron School of Business for students majoring in Business Administration, and students majoring in Information Technology B.S.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated.

MIS 415 - Emerging Information Technologies

Course Description:

A study of current technologies impacting a firm's ability to create and maintain a competitive advantage through the use of information systems technology. Topics may include hardware and software technologies that support the development of interactive Internet applications.

Credit Hours: 3 Prerequisite Courses:

MIS 213

Additional Restrictions/Requirements:

Prerequisite course and admission to Cameron School of Business.

Course Repeatability: Course may not be repeated.

MIS 419 - Information Technology Project Management

Course Description:

This course introduces the fundamentals of project management, beginning with project definition through the post-project review. There will be emphasis placed on applying project management concepts and techniques to information system projects. This includes consideration of project planning, scheduling, budgeting, human resources and the consideration of change management required to implement projects.

Credit Hours: 3 Prerequisite or Corequisite Courses:

MIS 411 .

Additional Restrictions/Requirements:

Admission to Cameron School of Business for students majoring in Business Administration and students majoring in Information Technology B.S.

Course Repeatability: Course may not be repeated.

MIS 480 - IT Resource Planning and Management

Course Description:

This course will explore the management and strategic alignment of IT resources within the organization. Topics include IT strategy, IT alignment, planning and managing technology resources and integration of emerging technology into the organization.

Credit Hours: 3 Prerequisite Courses:

MIS 411 with a minimum grade of C-.

Additional Restrictions/Requirements:

Admission to Cameron School of Business for students majoring in Business Administration, and students majoring in Information Technology B.S.

University Studies: ["Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated.

MIS 491 - Directed Individual Study

Course Description:

Please enter a description.

Credit Hours: 1 To 6 Additional Restrictions/Requirements:

Junior or senior standing and consent of the department chairperson and admission to Cameron School of Business.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

MIS 495 - Seminar in Information Systems

Course Description:

This course may be repeated under a different subtitle.

Credit Hours: 1 To 3 Additional Restrictions/Requirements:

Junior or senior standing and consent of the department chairperson and admission to Cameron School of Business.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

MIS 498 - Internship in Information Systems

Course Description:

The participant will receive practical training and experience under the guidance of the staff of a business or government organization and a faculty supervisor.

Credit Hours: 1 To 6 Additional Restrictions/Requirements:

Consent of faculty supervisor and admission to Cameron School of Business.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 6 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

MIS 499 - Honors Work in Information Systems

Course Description:

Independent work for honors students.

Credit Hours: 2 To 3 Additional Restrictions/Requirements:

Senior standing and admission to Cameron School of Business.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

MKT 241 - Marketing Consultancy

Course Description:

This course focuses on the unique marketing issues of a client company, equipping students with

the skills and knowledge necessary to excel in the dynamic field of marketing consulting. With the application of theoretical frameworks and tactical tools, students will learn to analyze market trends, develop strategic marketing plans, and provide actionable insights to the client company.
Credit Hours: 1 Course Repeatability: Course may not be repeated.

MKT 248 - Sales Essentials

Course Description:

Examination of the theory and practice of sales skills designed to provide a professional foundation to students who will be involved in professional selling careers. Includes fundamentals of professional selling with an emphasis on self-confidence, persuasive presentation of ideas and products, customer orientation, and other selling behaviors. Familiarize students with the role of selling in the promotional mix, practice presentation skills to be successful in professional selling, overcome objections, and close the sale.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

MKT 295 - Special Topics in Marketing

Course Description:

Seminar in selected topics in marketing. This course does not fulfill requirements towards any major or concentration in the Cameron School of Business.
Credit Hours: 1 To 3 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

MKT 331 - Marketing Competition

Course Description:

Students gain real-world experience through engagement in internal and external marketing competitions. Students develop essential creative and analytical skills and business acumen while interacting with business professionals.
Credit Hours: 1 Prerequisite Courses:

MKT 340 with a grade of C- or better
Additional Restrictions/Requirements:

Permission of instructor.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 3 Repeat Limit: 2

MKT 340 - Principles of Marketing

Course Description:

Introduction to the concepts, activities and decisions that relate to the marketing function in domestic and international business. Focus on development and implementation of marketing strategies through the use of marketing mix variables of product, price, distribution, and promotion.
Credit Hours: 3 Additional Restrictions/Requirements:

Sophomore standing or admission to the Cameron School of Business.
Course Repeatability: Course may not be repeated.

MKT 341 - Sales Competition

Course Description:

Students gain real-world experience through engagement in internal and external sales competitions. Role play scenarios involving Sales Center partners and local businesses encourage students to develop essential sales skills and business acumen while interacting with business professionals.
Credit Hours: 1 To 3 Prerequisite Courses:

MKT 348 .
Additional Restrictions/Requirements:

Instructor approval. Note: this course does not count as a Marketing concentration elective. Students may need to travel.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 3 Repeat Limit: 3

MKT 342 - Social Media Marketing

Course Description:

Survey course of the unique aspects of marketing through social media. Focus is on the application of new and emerging social media communication systems and practices that are becoming major elements in integrated marketing communication programs.
Credit Hours: 3 Prerequisite Courses:

MKT 340 with a minimum grade of C-.
Additional Restrictions/Requirements:

Admission to Cameron School of Business
Course Repeatability: Course may not be repeated. Major Restriction: Bachelor of Science in Business Administration Minor Restriction: none

MKT 343 - Content Marketing

Course Description:

Develop various forms of strategic marketing content that resonate with target audiences and help achieve marketing campaign objectives. Emphasis on curating and optimizing marketing content, including how to analyze, measure, track and report results against key performance indicators (KPIs).
Credit Hours: 3 Prerequisite Courses:

MKT 340 with a grade of C- or better
Additional Restrictions/Requirements:

Prerequisite course and admission to Cameron School of Business.

University Studies: ["Building Competencies/Writing Intensive/Information Literacy"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

MKT 344 - Branding

Course Description:

This course focuses in depth on the development, cultivation and evolution (and death) of brands. The goal of this course is to prepare students to understand how build brand assets and create an enduring advantage for brands in the marketplace. Focus is applied with a multi-industry and interdisciplinary perspective.

Credit Hours: 3 Prerequisite Courses:

MKT 340 .

Additional Restrictions/Requirements:

Admission to the Cameron School of Business.

Course Repeatability: Course may not be repeated. Major Restriction: Admission to the Cameron School of Business

MKT 345 - Sports & Sponsorship Marketing

Course Description:

An overview of the marketing of sports at the professional and collegiate levels, as well as the use of sport sponsorships by commercial enterprises to help market products and services. The course will cover topics related to the economics of sports, the creation and management of sports brands, and the use of the marketing mix to increase the participation and consumption of sports products. Students will also learn how to utilize sponsorship activities, such as licensing, endorsements, and venue-naming rights, to create enduring emotional connections between sport properties and consumers.

Credit Hours: 3 Prerequisite Courses:

MKT 340 with a grade of C- or better

Additional Restrictions/Requirements:

Prerequisite course and admission to Cameron School of Business.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

MKT 346 - Retail Management

Course Description:

Examination of the principles and methods of retailing. Study of social, political, ethical, and economic environments. Emphasis on market segmentation, merchandising, and managerial control.

Credit Hours: 3 Prerequisite Courses:

MKT 340

Additional Restrictions/Requirements:

Prerequisite course and admission to Cameron School of Business.

Course Repeatability: Course may not be repeated.

MKT 347 - Promotion Management

Course Description:

Integrated marketing communications with an emphasis on advertising, public relations, direct marketing, and sales promotion, as a component of the marketing mix and overall organizational strategy from the perspective of the marketer, advertiser, agency, consumer and public.

Credit Hours: 3 Prerequisite Courses:

MKT 340

Additional Restrictions/Requirements:

Prerequisite course and admission to Cameron School of Business.

Course Repeatability: Course may not be repeated.

MKT 348 - Professional Selling

Course Description:

Examination of the theory and practice of sales skills designed to provide a professional foundation to students who will be involved in professional selling careers. Includes fundamentals of professional selling with an emphasis on self-confidence, persuasive presentation of ideas and products, customer orientation, and other selling behaviors.

Credit Hours: 3 Prerequisite Courses:

MKT 340

Additional Restrictions/Requirements:

Prerequisite course and admission to Cameron School of Business.

Course Repeatability: Course may not be repeated.

MKT 349 - Consumer Behavior

Course Description:

Behavioral science concepts and principles and how they contribute to effective and efficient marketing activities from the perspective of the consumer, marketer and public policy maker.

Credit Hours: 3 Prerequisite Courses:

MKT 340

Additional Restrictions/Requirements:

Prerequisite course and admission to Cameron School of Business.

Course Repeatability: Course may not be repeated.

MKT 440 - Marketing Analytics

Course Description:

Focuses on the role of evidence-based data in decision-making and how to leverage data as a strategic asset. Emphasis on the predictive potential of data by translating vast amounts of complex data into manageable information in order to make sound decisions. The effective use of marketing metrics offers insights into customer preferences and trends and allows for the detection of patterns, the making of new associations, and the acquisition of a deeper understanding of customers.

Credit Hours: 3 Prerequisite or Corequisite Courses:

MKT 343 with a grade of C- or better

Additional Restrictions/Requirements:

BS Business Administration and Admission to Cameron School of Business

Course Repeatability: Course may not be repeated. Major Restriction: BS Business Administration

MKT 441 - Sales Strategy and Technology

Course Description:

Focus is on key areas of modern sales technologies, changing markets, and specialized sales tactics. This course encompasses the capture and storage of data by sales professionals for assessing sales analytics to better meet customer needs. An examination of effective negotiation techniques, market analysis, the structure of B2B markets and newly emerging sales technologies and tactics is provided.

Credit Hours: 3 Prerequisite Courses:

MKT 348 .

Additional Restrictions/Requirements:

Prerequisite courses and admission to Cameron School of Business.

Course Repeatability: Course may not be repeated.

MKT 442 - International Marketing

Course Description:

Focus is on the special framework in which international marketing is conducted. Influence of international institutions, culture, stage of economic development, geography and demography are covered. Emphasis on multinational marketing problems and opportunities in an ever-changing world.

Credit Hours: 3 Prerequisite Courses:

MKT 340 and INB 300

Additional Restrictions/Requirements:

Prerequisite course and admission to Cameron School of Business.

Crosslisting:

INB 442

Course Repeatability: Course may not be repeated.

MKT 443 - Marketing Research Design

Course Description:

The development and utilization of the marketing research process and the components of a marketing research project for business decisions. Emphasis on the collection of qualitative and quantitative data to solve a specific business problem or identify opportunities used to develop and evaluate courses of marketing action.

Credit Hours: 3 Prerequisite or Corequisite Courses:

MKT 343 with a grade of C- or better

Additional Restrictions/Requirements:

BS Business Administration and Admission to Cameron School of Business

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3 Major Restriction: BS Business Administration

MKT 444 - Digital Marketing Analytics

Course Description:

Focus of the class will be on learning digital marketing skills and applying them to create effective marketing strategies. Emphasis is on project-oriented assignments with an application to real-world scenarios. Offers insight into a variety of digital promotional channels, such as search engine optimization (SEM), search engine marketing (SEM), mobile marketing, and social media marketing, as well as the analytics of their effectiveness.

Credit Hours: 3 Prerequisite or Corequisite Courses:

MKT 343

Additional Restrictions/Requirements:

Prerequisite or co-requisite course and admission to Cameron School of Business.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

MKT 445 - Marketing Strategy

Course Description:

Concepts of Demand Analysis, formulating marketing strategy, establishing policies and procedures, coordinating marketing action, and evaluating performance.

Credit Hours: 3 Prerequisite Courses: MKT 343 Additional Restrictions/Requirements:

Senior standing, prerequisite course, and completion of an additional 9 hours of upper division marketing courses.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

MKT 446 - Health Care Marketing

Course Description:

Survey course providing a comprehensive overview of the unique aspects of medical and health care marketing environments. Emphasis is on quantitative and qualitative data to support strategic and tactical marketing recommendations regarding health care. The course examines various types of health care organizations and offers marketing solutions to providers.

Credit Hours: 3 Prerequisite Courses:

MKT 340 with a minimum grade of C-.

Additional Restrictions/Requirements:

Admission to Cameron School of Business

Course Repeatability: Course may not be repeated. Major Restriction: Bachelor of Science in Business Administration

MKT 447 - Services Marketing

Course Description:

A study of the marketing of services with emphasis on the distinctions that exist between marketing intangibles and tangible products. The managerial implications and strategies available in services marketing are also examined.

Credit Hours: 3 Prerequisite Courses:

MKT 340

Additional Restrictions/Requirements:

Prerequisite course and admission to Cameron School of Business.

Course Repeatability: Course may not be repeated.

MKT 448 - Sales Management

Course Description:

Focus on developing and maintaining an effective sales organization. Emphasis on the role of the salesperson, motivating the sales force, and designing and implementing selling strategies.

Credit Hours: 3 Prerequisite Courses:

MKT 348

Additional Restrictions/Requirements:

Prerequisite course and admission to Cameron School of Business.

Course Repeatability: Course may not be repeated.

MKT 449 - Advanced Sales

Course Description:

The purpose of this class is to prepare students for an entry-level professional

selling position beyond the scope of the introductory Professional Selling class. Students will gain advanced instruction and skill development in interpersonal communication skills, career management, unique value, team selling, personal productivity, negotiation, and other relevant topics.

Credit Hours: 3 Prerequisite Courses:

MKT 348 , MKT 340 , Admission to Cameron School of Business.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Additional Course Fees: ["None"]

MKT 459 - International Consultancy

Course Description:

This course focuses on the application of financial valuation and market strategy of a project for a firm in central Europe.

Credit Hours: 3 Prerequisite Courses:

FIN 335 and MKT 340

Additional Restrictions/Requirements:

BS Business Administration and Admission to Cameron School of Business

Course Repeatability: Course may not be repeated. Major Restriction: BS Business Administration

MKT 491 - Directed Individual Study

Course Description:

Please enter a description.

Credit Hours: 1 To 6 Additional Restrictions/Requirements:

Junior or senior standing and consent of the department chairperson and admission to Cameron School of Business.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

MKT 495 - Seminar in Marketing

Course Description:

Special topics in marketing not addressed in depth in other courses. May be repeated under a different subtitle.

Credit Hours: 1 To 3 Prerequisite Courses: MKT 340 Additional Restrictions/Requirements:

Prerequisite course and admission to Cameron School of Business.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

MKT 498 - Internship in Marketing

Course Description:

Please enter a description.

Credit Hours: 1 To 6 Prerequisite Courses: MKT 340 Additional Restrictions/Requirements:

Senior standing, prerequisite course plus 6 additional hours in marketing, 3.00 overall GPA, and admission to Cameron School of Business.
University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

MKT 499 - Honors Work in Marketing

Course Description:

Independent work for honors students.
Credit Hours: 2 to 3 Additional Restrictions/Requirements:

Senior standing and admission to Cameron School of Business.
University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

MAT 101 - The Art of Mathematics

Course Description:

Exploration of real-life contexts which discuss geometry, rates of growth, consumer statistics, and practical probabilities so students can utilize quantitative information in degree programs and make personal, professional, and civic decisions.
Credit Hours: 3 University Studies: ["Foundations/Mathematics and Statistics", "Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated.

MAT 105 - Mathematical Study Skills and Algebra Review

Course Description:

Designed for students not ready for MAT 111 , this course prepares the student to be successful in college algebra and beyond. Topics include study, note-taking, and time management skills needed to be successful in mathematics and review of algebra.
Credit Hours: 1 Additional Restrictions/Requirements:

Mathematics Placement Test or consent of instructor.
Course Repeatability: Course may not be repeated.

MAT 111 - College Algebra

Course Description:

A preparatory course for further mathematics courses. Equations and inequalities; polynomial, rational, exponential and logarithmic functions; graphs; systems of equations. (No credit granted after the completion, with a grade of "C-" or better, of MAT 151 or higher.)
Credit Hours: 3 Prerequisite Courses:

MAT 105 or satisfactory performance on the UNCW mathematics placement test.

University Studies: ["Foundations/Mathematics and Statistics", "Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated.

MAT 112 - Trigonometry

Course Description:

Topics from trigonometry and algebra review. Includes trigonometric functions, identities and equations. (No credit granted after the completion, with a grade of "C-" or better, of a mathematics course numbered 152 or higher.)

Credit Hours: 3 Prerequisite Courses:

MAT 111 or MAT 150 or satisfactory performance on the UNCW mathematics placement test.

University Studies: ["Foundations/Mathematics and Statistics", "Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated.

MAT 141 - Concepts of Mathematics: Number, Operations, and Problem Solving

Course Description:

A conceptual examination of mathematics content that is aligned with elementary and middle grades curricula. Topics include the real number system and related operations.

Credit Hours: 3 University Studies: ["Common Requirements/Critical Reasoning", "Foundations/Mathematics and Statistics"] Course Repeatability: Course may not be repeated.

MAT 142 - Concepts of Mathematics: Geometry, Measurement, and Problem Solving

Course Description:

A conceptual examination of mathematics content that is aligned with elementary and middle grades curricula. Topics include geometry, measurement, probability, and data analysis.

Credit Hours: 3 University Studies: ["Foundations/Mathematics and Statistics", "Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated.

MAT 150 - Basic Precalculus

Course Description:

Study of fundamental concepts of algebra, functions using graphical and algebraic approaches, and applications that are essential to the study of basic calculus. Covers linear, quadratic, polynomial, rational, radical, piecewise, composite, inverse, exponential, and logarithmic functions. Preparatory course for basic calculus, MAT 151 .

Credit Hours: 3 Additional Restrictions/Requirements:

No credit granted for MAT 150 after the completion of a MAT course numbered 151 or higher with a grade of C- or better.

University Studies: ["Foundations/Mathematics and Statistics", "Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated.

MAT 151 - Basic Calculus with Applications I

Course Description:

Intended for majors that emphasize techniques and applications. Study of linear and nonlinear functions, differentiation with applications, Riemann sums, integration, and the Fundamental Theorem of Calculus.

Credit Hours: 3 Prerequisite Courses:

MAT 111 or MAT 150 or MAT 160 , or satisfactory performance on the UNCW mathematics placement test.

University Studies: ["Foundations/Mathematics and Statistics", "Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated.

MAT 152 - Basic Calculus with Applications II

Course Description:

Intended for majors that emphasize techniques and applications. The second course in a two-course sequence. Topics to include further techniques and applications of integration and multivariable calculus including trigonometric functions, differential equations, probability, and sequences & series.

Credit Hours: 3 Prerequisite Courses:

MAT 151 and (MAT 112 or MAT 160).

University Studies: ["Foundations/Mathematics and Statistics", "Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated.

MAT 160 - Precalculus: Algebra & Trigonometry

Course Description:

Study of fundamental concepts of algebra and trigonometry, functions using graphical and algebraic approaches, and applications that are essential to the study of calculus. Covers linear, quadratic, polynomial, rational, radical, piecewise, composite, inverse, exponential, logarithmic, and trigonometric functions. Preparatory course for MAT 161 .

Credit Hours: 5 Additional Restrictions/Requirements:

No credit granted for MAT 160 after the completion of a MAT course numbered 161 or higher, with a grade of "C-" or better.

University Studies: ["Foundations/Mathematics and Statistics", "Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated.

MAT 161 - Calculus with Analytical Geometry I

Course Description:

Calculus of a single variable intended for students in the mathematical and natural sciences. Functions and limits; differentiation with applications including maxima and minima, related rates, and approximations; theory of integration with applications; and transcendental functions.

Credit Hours: 4 Prerequisite Courses:

MAT 112 or MAT 160, or satisfactory performance on the UNCW mathematics placement test.

University Studies: ["Foundations/Mathematics and Statistics", "Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated.

MAT 162 - Calculus with Analytical Geometry II

Course Description:

The second course in a three-course sequence. Further techniques and applications of integration; infinite sequences and series; conic sections, parametrized curves and polar coordinates; and, elementary differential equations.

Credit Hours: 4 Prerequisite Courses:

MAT 161.

University Studies: ["Foundations/Mathematics and Statistics", "Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated.

MAT 243 - Concepts and Applications of Discrete Mathematics

Course Description:

An in-depth investigation of discrete mathematics topics identified as essential to teaching the elementary and middle grades curriculum. Topics include systematic listing and counting, vertex-edge graphs, and iteration and recursion. Students present written and oral arguments to justify conjectures and generalizations.

Credit Hours: 3 Prerequisite Courses:

MAT 142 or MAT 161

Additional Restrictions/Requirements:

Open only to majors or pre-majors in elementary, middle grades, special, or health and physical education, or consent of instructor.

Course Repeatability: Course may not be repeated.

MAT 245 - Euclidean Geometry

Course Description:

A study of properties and relationships of shape, size, and symmetry in two and three dimensions. Topics include parallelism, transformations, congruence,

similarity, measurement, and constructions. Students present written and oral arguments to justify conjectures and generalizations.
Credit Hours: 3 Prerequisite Courses:
MAT 142 or MAT 161 or consent of instructor.
Additional Restrictions/Requirements:
Open only to majors or pre-majors in elementary, middle school, special or health and physical education
Course Repeatability: Course may not be repeated.

MAT 261 - Multivariate Calculus

Course Description:
Calculus of functions of several variables. Vectors and analytic geometry of three dimensional space; partial derivatives, gradients, directional derivatives, maxima and minima; multiple integrals; line and surface integrals, Green's Theorem, Divergence Theorem, and Stokes' Theorem.
Credit Hours: 4 Prerequisite Courses:
MAT 162
Course Repeatability: Course may not be repeated.

MAT 275 - Axiomatic Systems

Course Description:
Introduction to logic and mathematical proof with a focus on properties of the real number system. Elementary set theory, relations, functions, cardinality, algebraic and completeness properties of the reals and topics from axiomatic systems. Precision in the language of mathematics and rigor in proofs. Student presentations.
Credit Hours: 3 Prerequisite Courses:
MAT 152 or MAT 161
Course Repeatability: Course may not be repeated.

MAT 301 - Introduction to Mathematical Modeling

Course Description:
An introduction to mathematical modeling emphasizing formulation, analysis, interpretation, and application. Selected problems from a variety of fields such as physics, biology, and management science. Students will learn how to develop and use mathematical models of real-world systems.
Credit Hours: 3 Prerequisite Courses: MAT 162 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

MAT 311 - Intermediate Analysis

Course Description:

Thorough treatment of the topology of the real line, functions and limits, convergence, continuity, differentiation and integration of functions of a real variable. Infinite series, uniform convergence.

Credit Hours: 3 Prerequisite Courses:

MAT 261 and MAT 275

Course Repeatability: Course may not be repeated.

MAT 321 - Number Theory and its Applications

Course Description:

Introduction to the theory of numbers motivated by applications. Primes and divisibility; the Euclidean algorithm; linear congruences and the Chinese Remainder Theorem; Fermat's Little Theorem; continued fractions and Farey sequences. Applications to cryptology, computer arithmetic, random number generators and primality testing. Possible additional applications to computer science, physics, communication, music.

Credit Hours: 3 Prerequisite Courses:

MAT 275 or CSC 133

Course Repeatability: Course may not be repeated.

MAT 325 - Computational Mathematics

Course Description:

Introduction to scientific computing and numerical algorithms. Includes scientific and numerical computations, elementary discussion of errors, linear algebraic systems, eigenvalue problems, curve fitting, root-finding, and numerical solution of ordinary differential equations. The algorithmic approach and efficient use of the computer are emphasized using scientific programming software.

Credit Hours: 3 Prerequisite Courses:

MAT 162

Course Repeatability: Course may not be repeated.

MAT 335 - Linear Algebra and Matrices

Course Description:

Systems of linear equations, vector spaces, algebra of matrices and linear transformations, determinants, eigenvalues and eigenvectors, applications.

Credit Hours: 3 Prerequisite Courses:

MAT 161

Course Repeatability: Course may not be repeated.

MAT 336 - Abstract Algebra I

Course Description:

Basic study of algebraic structures, focusing on groups and rings. Examples may include permutation, matrix, and symmetry groups, polynomial rings, and integral domains.

Credit Hours: 3 Prerequisite Courses:

MAT 275 and MAT 335

Course Repeatability: Course may not be repeated.

MAT 345 - Modern College Geometry

Course Description:

Use of elementary methods in advanced study of the triangle and circle, special emphasis on solving original examples, comparison of Euclidean and non-Euclidean and projective geometries.

Credit Hours: 3 Prerequisite Courses:

MAT 275

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated.

MAT 346 - Historical Development of Mathematics

Course Description:

Development of mathematics from earliest systems to present century. Personalities involved with the contributions of each. A problem-study approach to give the student some training in research.

Credit Hours: 3 Corequisite Courses:

MAT 275

Additional Restrictions/Requirements:

Corequisite course or consent of instructor.

University Studies: ["Building Competencies/Writing Intensive", "Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated.

MAT 361 - Differential Equations

Course Description:

Theory, methods of solution, and applications of ordinary differential equations with emphasis on first and second order (linear and nonlinear) equations, and systems of first order equations. Methods used include Laplace transforms, matrices, eigenvalues and eigenvectors. Additional topics from power series solutions and numerical methods.

Credit Hours: 3 Prerequisite Courses:

MAT 162 .

Course Repeatability: Course may not be repeated.

MAT 365 - Vector Calculus

Course Description:

A thorough study of differential and integral calculus of vector-valued functions of a vector variable. Jacobians, inverse and implicit function theorems, change of variables in multiple integrals; theorems of Green, Gauss, and Stokes; applications.

Credit Hours: 3 Prerequisite Courses:

MAT 261 and MAT 335

Course Repeatability: Course may not be repeated.

MAT 367 - Methods of Mathematics for Scientists and Engineers

Course Description:

Applied mathematics topics encountered in the physical sciences and engineering disciplines: Fourier series and orthogonal functions; Fourier and Laplace transforms; elementary applications to differential equations and boundary value problems; introduction to complex variables and residue theory.

Credit Hours: 3 Prerequisite Courses:

MAT 261

Additional Restrictions/Requirements:

Prerequisite course; MAT 335 recommended.

Course Repeatability: Course may not be repeated.

MAT 375 - Combinatorics

Course Description:

Techniques for counting configurations of objects. Recurrence relations; principle of inclusion-exclusion; graphs, trees, and circuits. Additional topics chosen from Polya's Theorem, generating functions, and network flows.

Credit Hours: 3 Prerequisite Courses:

MAT 275 or CSC 133

Course Repeatability: Course may not be repeated.

MAT 381 - Introduction to Financial Mathematics

Course Description:

An introduction to the theory of interest and financial economics. This course is designed to comply with the requirements for actuarial exam FM.

Credit Hours: 3 Prerequisite Courses:

MAT 162

Course Repeatability: Course may not be repeated.

MAT 395 - Problem Solving in Mathematics

Course Description:

Introduction to various mathematical problems and methods. Students present solutions in a public seminar and participation in problem solving competitions is encouraged.

Credit Hours: 1 Prerequisite Courses: MAT 162 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 2 Repeat Limit: 1

MAT 396 - Mathematical Explorations in Technology

Course Description:

Utilizing technology as an integrated tool to explore and visualize mathematical concepts and solve mathematics problems related to the school curriculum. Topics include functions, equations, geometry, data analysis, and mathematical modeling.

Credit Hours: 3 Corequisite Courses:

MAT 275 or permission of instructor.

Additional Restrictions/Requirements:

Open only to students with the major B.A. in Mathematics, Option 2 - Teacher Licensure in Mathematics, or B.A. in Middle Grades Education.

Course Repeatability: Course may not be repeated.

MAT 411 - Real Analysis I

Course Description:

Advanced study of convergence, continuity, differentiation, and integration in Euclidean space. The real number system, basic topology of Euclidean spaces; sequences and series; continuity, differentiation of vector-valued functions, uniform continuity; theory of integration; implicit and inverse function theorems, Stokes' Theorem.

Credit Hours: 3 Prerequisite Courses:

MAT 311 and MAT 335

Crosslisting:

MAT 511

Course Repeatability: Course may not be repeated.

MAT 412 - Real Analysis II

Course Description:

The second course in a two-course sequence. Please see MAT 411 for description.

Credit Hours: 3 Crosslisting:

MAT 512

Course Repeatability: Course may not be repeated.

MAT 415 - Introduction to Complex Variables

Course Description:

First study of functions of a complex variable. Algebra of complex numbers, elementary functions with their mapping properties; analytic functions; power series; integration, Cauchy's Theorem, Laurent series and residue calculus; elementary conformal mappings and boundary value problems.

Credit Hours: 3 Prerequisite Courses:

(MAT 311 and MAT 367) or MAT 411

Crosslisting:

MAT 515

Course Repeatability: Course may not be repeated.

MAT 418 - Partial Differential Equations I

Course Description:

A thorough treatment of the solution of initial and boundary value problems of partial differential equations in one, two, and three dimensions. Topics include classification of partial differential equations, the method of characteristics, separation of variables, Fourier analysis, special functions, Sturm-Liouville theory, and some numerical methods.

Credit Hours: 3 Prerequisite Courses:

MAT 361

Crosslisting:

MAT 518

Course Repeatability: Course may not be repeated.

MAT 421 - Number Theory I

Course Description:

Use of algebraic techniques to study arithmetic properties of the integers and their generalizations. Primes, divisibility and unique factorization in integral domains; congruences, residues and quadratic reciprocity; diophantine equations and additional topics in algebraic number theory.

Credit Hours: 3 Prerequisite Courses: MAT 336 Crosslisting:

MAT 521

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

MAT 425 - Numerical Analysis

Course Description:

Introduction to the theoretical foundations of numerical algorithms. Solution of linear systems by direct methods; least squares, minimax, and spline approximation;

polynomial interpolation; numerical integration and differentiation; solution of nonlinear equations; initial value problems in ordinary differential equations. Error analysis. Certain algorithms are selected for programming.

Credit Hours: 3 Prerequisite Courses:

MAT 325 and MAT 335 and MAT 361

Crosslisting:

MAT 525

Course Repeatability: Course may not be repeated.

MAT 430 - Mathematical Theory of Data Science

Course Description:

Mathematical formulation and derivation of established machine learning and data analysis methods, as well as applications. Topics include singular value decomposition, dimension reduction such as low-rank approximation, k-means, support vector machine, clustering and kernel methods, nonnegative matrix factorization and topic models, neural network and image classification.

Credit Hours: 3 Prerequisite Courses:

MAT 261 and MAT 335

Course Repeatability: Course may not be repeated.

MAT 436 - Abstract Algebra II

Course Description:

Advanced study of algebraic structures including rings, modules, and fields. Topics may include Sylow theory, Galois theory, coding theory, and representation theory.

Credit Hours: 3 Prerequisite Courses:

MAT 336

Course Repeatability: Course may not be repeated.

MAT 451 - Topology

Course Description:

A study of the basic concepts of general topology. Metric spaces, continuity, completeness, compactness, connectedness, separation axioms, product and quotient spaces; additional topics in point-set topology.

Credit Hours: 3 Prerequisite Courses:

MAT 275 and MAT 336

Crosslisting:

MAT 551

Course Repeatability: Course may not be repeated

MAT 457 - Differential Geometry

Course Description:

Theory of curves and surfaces in Euclidean space. Frenet formulas, curvature and torsion, arc length; first and second fundamental forms, Gaussian curvature, equations of Gauss and Codazzi, differential forms, Cartan's equations; global theorems.

Credit Hours: 3 Prerequisite Courses:

MAT 365 or MAT 411

Crosslisting:

MAT 557

Course Repeatability: Course may not be repeated.

MAT 463 - Ordinary Differential Equations

Course Description:

Advanced study of ordinary differential equations. Existence and uniqueness; systems of linear equations, fundamental matrices, matrix exponential; series solutions, regular singular points; plane autonomous systems, stability and perturbation theory; Sturm-Liouville theory and expansion in eigenfunctions.

Credit Hours: 3 Prerequisite Courses:

MAT 335 and MAT 361

Crosslisting:

MAT 563

Course Repeatability: Course may not be repeated.

MAT 465 - Applied Probability

Course Description:

The formulation, analysis and interpretation of probabilistic models. Selected topics in probability theory. Conditioning, Markov chains, and Poisson processes. Additional topics chosen from renewal theory, queuing theory, Gaussian processes, Brownian motion, and elementary stochastic differential equations.

Credit Hours: 3 Prerequisite Courses:

MAT 261 and STT 315

Crosslisting:

MAT 565 , STT 465 , STT 565

Course Repeatability: Course may not be repeated.

MAT 467 - Introduction to Mathematical Biology

Course Description:

An introduction to applications of mathematical concepts in developing, analyzing and simulating deterministic biological models. Mathematical methods may include

discrete and continuous modeling, non-linear difference equations, as well as ordinary and partial differential equations. Biological applications may include population dynamics, ecology, epidemiology, evolution, molecular biology, and physiology.

Credit Hours: 3 Prerequisite Courses:

MAT 335 and MAT 361

Additional Restrictions/Requirements:

Prerequisite courses or consent of instructor.

Course Repeatability: Course may not be repeated.

MAT 468 - Probability Models with Actuarial Applications

Course Description:

A review of fundamental probability tools for quantitative risk assessment. An introduction to the knowledge of insurance and risk management. Students learn to apply basic probability modeling techniques in a risk management context. This course is designed to comply with the requirements for actuarial exam P.

Credit Hours: 3 Prerequisite Courses:

STT 315

Course Repeatability: Course may not be repeated.

MAT 471 - Projects in Mathematical Modeling

Course Description:

Techniques of problem recognition and formulation, and mathematical solution and interpretation of results. Each student will construct a mathematical model and report on the investigation in written and oral form.

Credit Hours: 3 Prerequisite Courses:

MAT 361 and MAT 335 .

Course Repeatability: Course may not be repeated.

MAT 475 - Topics in Mathematics

Course Description:

Topics of current interest in mathematics not covered in existing courses.

Credit Hours: 3 Additional Restrictions/Requirements:

Junior or senior standing and consent of instructor.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

MAT 476 - Optimization

Course Description:

Examination of the mathematics underlying optimization problems, emphasizing the underlying geometric, algebraic and analytical ideas. Topics covered may include:

convex analysis, least-squares, linear programming, semidefinite programming, optimality conditions, duality theory, numerical methods including gradient descent and Lagrange multipliers.

Credit Hours: 3 Prerequisite Courses:

MAT 261 and MAT 335

Course Repeatability: Course may not be repeated.

MAT 481 - Introduction to Mathematical Logic

Course Description:

The formal study of truth and provability. Propositional calculus; predicate calculus. Godel's completeness theorem, applications to formal number theory and incompleteness. Additional topics chosen from areas such as undecidability or nonstandard analysis.

Credit Hours: 3 Prerequisite Courses:

MAT 275 and MAT 336

Crosslisting:

MAT 581

Course Repeatability: Course may not be repeated.

MAT 491 - Directed Individual Study

Course Description:

Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.

Credit Hours: 1 To 3 Additional Restrictions/Requirements:

Junior or senior standing, overall GPA of at least 2.00, at least a 3.00 average on all mathematics courses taken, and consent of instructor, department chair, and dean.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

MAT 495 - Seminar in Mathematics

Course Description:

Reading, discussion, investigation, and preparation and presentation of reports on selected mathematical topics, under faculty supervision beyond the students' courses of study.

Credit Hours: 3 Additional Restrictions/Requirements:

9 semester hours of mathematics courses at the 300-400 level.

University Studies: ["Building Competencies/Writing Intensive", "Building Competencies/Information Literacy", "Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated.

MAT 496 - Advanced Perspectives in Secondary Mathematics

Course Description:

Students examine key ideas in high school mathematics from an advanced perspective. Under faculty supervision, students read, discuss, investigate, and present reports on mathematical topics beyond the students' courses of study.

Credit Hours: 3 Corequisite Courses:

Corequisite: 6 semester hours of mathematics courses at the 300-400 level.

Additional Restrictions/Requirements:

Open only to majors in mathematics with teaching licensure.

Course Repeatability: Course may not be repeated.

MAT 498 - Internship in Mathematics

Course Description:

Academic training and practical experience through work in a private company or public agency. Supervision and evaluation of all study and on-site activity by a faculty member and an on-site mentor.

Credit Hours: 1 To 3 Additional Restrictions/Requirements:

Junior or senior standing. Overall GPA of at least 2.50, a GPA in MAT courses of at least 2.80, and at least 9 hours of MAT courses numbered 300 or higher. Students must have been approved by the faculty supervisor, department chair, and dean.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 3 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:

Additional Course Fee Schedule

MAT 499 - Honors Work in Mathematics

Course Description:

Individual study for honor students.

Credit Hours: 2 To 3 Additional Restrictions/Requirements:

Eligibility for honors program.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

MUS 105 - Rudiments of Music

Course Description:

A general survey of the basic materials of music, listening experiences, sight singing, ear-training, keyboard, and other related activities. The course is designed for music majors, pre-majors, and music minors preparing for MUS 111 . Prior experience in reading music and performance on an instrument or as a singer is

assumed.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

MUS 106 - Exploring Music

Course Description:

Explores the creative process of making music while developing an understanding of basic musical concepts. Designed for students with no musical background who wish to increase their understanding of music. Emphasis on music listening, playing classroom instruments, group singing, improvisation, and music literacy.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive and Literary Perspectives and Living in a Global Society"] Course Repeatability: Course may not be repeated.

MUS 110 - Introduction to Music Technology

Course Description:

Overview of music technology for the music major. Introduction to Digital Audio Workstation environments, basic MIDI sequencing, and traditional notation software.
Credit Hours: 1 Course Repeatability: Course may not be repeated.

MUS 111 - Theory I

Course Description:

An in-depth study of the basic material of music, including notation of pitch and rhythm, intervals, scales and modes, key signatures, and triads.
Lab:

The lab for this course is MUSL 111 .
Credit Hours: 2 Corequisite Courses:

["MUSL 111 "]
Additional Restrictions/Requirements:

Corerequisite course; Theory Placement test required.
University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives"] Course Repeatability: Course may not be repeated.

MUS 112 - Theory II

Course Description:

A study of tonality, triads in inversion, phrase structure and cadences, harmonic progression, the technique of harmonization, and non-harmonic tones.
Lab:

The lab for this course is MUSL 112 .
Credit Hours: 2 Corequisite Courses:

["MUSL 112 "]
Prerequisite Courses:

MUS 111 with a minimum grade of C-
Course Repeatability: Course may not be repeated.

MUS 115 - Music in Society

Course Description:

Comparative study of representative works and aesthetic movements in classical, jazz, popular, and global music traditions from varied historical periods and geographic regions. Focus on how music reflects sociocultural influences, identities, and perspectives in the United States, while also revealing the interconnectedness of peoples and cultures from past centuries to the present day.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives", "Approaches and Perspectives/Living in Our Diverse Nation"] Course Repeatability: Course may not be repeated.

MUS 116 - History of Jazz

Course Description:

A survey of the evolution of this American art form from its African roots and European influences to the present. Technical knowledge of music not required.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives", "Approaches and Perspectives/Living in Our Diverse Nation"] Course Repeatability: Course may not be repeated.

MUS 117 - American Music

Course Description:

A survey of American composers, musicians, and music making from the earliest days of European settlement to the present. Includes a variety of styles: folk, religious, concert, rock, and more. Technical knowledge of music helpful, but not required.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives", "Approaches and Perspectives/Living in Our Diverse Nation"] Course Repeatability: Course may not be repeated.

MUS 118 - History of Rock

Course Description:

A study of the musicians styles and movements that were central to the development of rock music from the early 1950s to the present. No previous musical knowledge is required.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives"] Course Repeatability: Course may not be repeated.

MUS 120 - Latin American Music

Course Description:

Introduction to the History of Latin American Music and examination of the history of Latin American music. The course aims to broaden the student's appreciation and understanding of Latin American music and society. Throughout the semester we will discuss some of the region's most significant composers, genres, and styles.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

MUS 130 - Chamber Music Workshop

Course Description:

Small instrumental and vocal ensembles. Type of group depends on the availability of personnel. Meets one to two hours weekly with instructor for coaching plus individual practice and weekly rehearsal with partner(s). Previous training required. May be repeated for credit.

Credit Hours: 1 Additional Restrictions/Requirements:

Consent of instructor and department chair.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

MUS 136 - Jazz Theory and Keyboard

Course Description:

Theoretical concepts, aural skill, and basic keyboard skills associated with jazz styles.

Credit Hours: 2 Prerequisite Courses:

MUS 111 and MUSL 111

Course Repeatability: Course may not be repeated.

MUS 140 - Basic Piano for Non-Majors

Course Description:

Note reading, rhythm, technique, other elements of elementary piano playing. Basic repertoire. No previous music study required. Two hours per week. May be repeated for credit.

Credit Hours: 1 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 4

MUS 141 - Class Piano I

Course Description:

Basic piano skills development, including sight-reading, repertoire, major scales and arpeggios, accompanying, and harmonization. Preparation for the piano proficiency exam required of music majors.

Credit Hours: 1 Additional Restrictions/Requirements:

Placement test or consent of department chair.

Course Repeatability: Course may not be repeated.

MUS 142 - Class Piano II

Course Description:

Continued piano skills development of MUS 141 , with the addition of minor scales and arpeggios. Preparation for the piano proficiency exam required of music majors.

Credit Hours: 1 Prerequisite Courses:

MUS 141 with a minimum grade of C-

Course Repeatability: Course may not be repeated.

MUS 143 - Class Guitar I

Course Description:

Intended for beginning guitarists and non-majors. Covers topics such as reading music on the first five frets of the guitar, basic chord fingerings, technique for beginners, and simple accompaniment methods.

Credit Hours: 1 Course Repeatability: Course may not be repeated.

MUS 144 - Class Guitar II

Course Description:

A continuation of MUS 143 . Intended for intermediate guitarists and non-majors. Covers topics such as reading music in the second position or higher, advanced chord fingerings, studies in picking technique, and harmony as it applies to the fingerboard.

Credit Hours: 1 Prerequisite Courses:

MUS 143 with a minimum grade of C-

Course Repeatability: Course may not be repeated.

MUS 145 - Musicianship for Musical Theatre

Course Description:

Note-reading and basic keyboard skills for non-music majors in the Musical Theatre minor, with a focus on improving students' ability to efficiently learn and prepare musical theatre scores. Other topics include improvement of the singing voice through the study of vocal technique, repertoire, diction, and performance skills.

Credit Hours: 2 Course Repeatability: Course may not be repeated. Minor Restriction: Musical Theatre

MUS 146 - Class Voice I

Course Description:

Intended for beginning singers and non-majors. Singing techniques learned through vocal exercises and study of song literature.

Credit Hours: 1 Course Repeatability: Course may be repeated. Repeat Limit: 2

MUS 150 - Introduction to Music Listening

Course Description:

Guided listening to representative works from Western classical, jazz, popular, and global music traditions. Development of ability to describe elements of compositions and style using basic musical vocabulary. Concert attendance required in addition to the regular class meeting time.

Credit Hours: 1 University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives"] Course Repeatability: Course may not be repeated.

MUS 180 - Wind Ensemble

Course Description:

The Wind Ensemble is UNCW's premiere wind band comprised of the finest woodwind, brass and percussion players at the university. Membership is by audition and is open to all university students regardless of major. Typically two concerts each semester. May be repeated for credit.

Credit Hours: 1 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 3

MUS 182 - Accompanying

Course Description:

Accumulative credit limited to eight semester hours. Students will be assigned an instrumentalist or vocalist with whom to work. One hourly class meeting per week, plus half hour rehearsal time with soloist per week, and half hour accompanying for the applied lesson of soloist.

Credit Hours: 1 Additional Restrictions/Requirements:

Consent of instructor and department chair.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 8

MUS 183 - Chamber Singers

Course Description:

Select group chosen by audition. The singers study and perform a variety of repertoire written for a smaller choir or chamber group. Three rehearsal hours per week. May be repeated for credit.

Credit Hours: 1 Additional Restrictions/Requirements:

Audition and consent of director.

University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12 Repeat Limit: 11

MUS 184 - Jazz Ensemble

Course Description:

The development of idiomatic performance techniques of jazz music in a variety of styles and mediums through the study of its musicians, as well as performance practices throughout its history. (Intended for students who have had instrumental experience.) May be repeated for credit.

Credit Hours: 1 Additional Restrictions/Requirements:

Audition and consent of instructor.

University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives", "Approaches and Perspectives/Living in Our Diverse Nation"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

MUS 185 - Symphonic Band

Course Description:

The Symphonic Band is an outstanding ensemble consisting of highly talented woodwind, brass and percussion players, including both music majors and non-music majors. Enrollment is open to all UNCW students with previous instrumental experience and the necessary skills to perform on a wind or percussion instrument. Three rehearsal hours per week and typically two concerts each semester. May be repeated for credit.

Credit Hours: 1 University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

MUS 186 - University Chorale

Course Description:

Singers study and perform repertoire of various historical periods and styles appropriate for large chorus. May be repeated for credit.

Credit Hours: 1 Additional Restrictions/Requirements:

Auditions and consent of director.

University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12 Repeat Limit: 11

MUS 187 - Orchestra

Course Description:

Study and performance of the orchestral literature; meets a minimum of two hours per week and gives two or three performances per semester. Section 001 is the Wilmington Symphony Orchestra, membership by audition only; Section 002 is the UNCW String Ensemble, open to UNCW students without audition. May be repeated for credit.

Credit Hours: 1 Additional Restrictions/Requirements:

Audition and consent of director.
University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

MUS 188 - Pep Band

Course Description:
Study and performance of contemporary music written for athletic bands. The Pep Band provides music at men's and women's basketball home games and other university events. Rehearsal and performances as dictated by the schedule of events. May be repeated for credit.
Credit Hours: 1 Additional Restrictions/Requirements:
The ability to read music and perform at a basic level on a standard pep band instrument and consent of director.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

MUS 189 - Jazz Combo

Course Description:
By audition only. Small group rehearsal and performance of jazz standards, original jazz compositions and arrangements.
Credit Hours: 1 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

MUS 195 - Lower Level Applied Music, Private Lessons

Course Description:
Includes one half-hour private lesson per week and a minimum of one MUS LAB/seminar hour each week. Requires a minimum of five practice hours per week. Intended for BA music majors or music minors. May be repeated for credit.
Credit Hours: 1 Corequisite Courses:
["MUS LAB [Inactive]"]
Additional Restrictions/Requirements:
Corequisite course, audition, consent of Music Department chair and instructor.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

MUS 196 - Lower Level Applied Music, Private Lessons

Course Description:
Corequisite: MUS LAB (appropriate section). Includes one-hour private lesson per week (TBA) and a minimum of one MUS LAB/seminar hours each week. May be repeated for credit.
Credit Hours: 1 Additional Restrictions/Requirements:
Audition; consent of music department chair and instructor. This course is intended for music majors only.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

MUS 203 - Composition

Course Description:

A beginning study of compositional techniques though direct application in original compositions. One hour seminar each week plus a half or full hour private lesson. May be repeated.

Credit Hours: 1 To 2 Prerequisite Courses:

MUS 112 and MUSL 112

Additional Restrictions/Requirements:

Consent of instructor.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

MUS 210 - Digital Music Production

Course Description:

Applications of music technology software for digital music production in Digital Audio Workstation environments, including non-traditional notation systems, intermediate-level work with MIDI sequencing, DAW signal flow, stereo mixing techniques, software-based virtual instruments, and intermediate sampling techniques.

Credit Hours: 2 Prerequisite Courses:

MUS 110 .

Course Repeatability: Course may not be repeated.

MUS 211 - Theory III

Course Description:

A study of the musical process as observed in the literature of the common practice period. Based upon both structural and functional analyses as well as problem solving and controlled composition exercises. Includes secondary dominants, chromatic approach to chords and the concept of modulation.

Lab:

The lab for this course is MUSL 211 .

Credit Hours: 2 Corequisite Courses:

["MUSL 211 "]

Prerequisite Courses:

MUS 112

Course Repeatability: Course may not be repeated.

MUS 214 - Recording Technology I

Course Description:

Introduction to the fundamentals of audio engineering. Technical basics in the "language of audio." Emphasis is on Pro Tools recording software, audio interfaces, project workflow, the principles behind the five main stages of a recording project, and mastering music. Theoretical and practical application of microphones, mic pre-amps, equalizers, compressors, noise gates, effects, room acoustics, gain structure, and signal path.

Credit Hours: 3 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

MUS 215 - Recording Technology II

Course Description:

An in-depth look at Pro Tools recording software including a review of music recording basics, editing, and automation principles while mixing multi-track projects. Students will learn the art of the "creative ear," and final project will utilize the UNCW recording studio to create and complete a multi-track recording project.

Credit Hours: 3 Prerequisite Courses: MUS 214 Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

MUS 220 - African American Music

Course Description:

A survey of the eveolution of African American music from its African roots to current trends in jazz, gospel, R & B, and hip-hop. Technical knowledge of music not required.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Aesthestic, Interpretive and Literary Perspectives", "Approaches and Perspectives/Living in Our Diverse Nation"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

MUS 241 - Class Piano III

Course Description:

Continued piano skills development with an emphasis on fluency, accuracy, and level in major and minor scales and arpeggios, major and minor chord progressions, sight-reading, repertoire, accompanying, and harmonization. Preparation for the piano proficiency exam required of music majors.

Credit Hours: 1 Prerequisite Courses: MUS 142 with a minimum grade of C- Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 1

MUS 242 - Class Piano IV

Course Description:

Continued piano skills development of MUS 241 , with an emphasis on speed,

fluency, and accuracy. Piano proficiency exam is the final exam in this course and must be passed in order to pass the course.
Credit Hours: 1 Prerequisite Courses: MUS 241 with a minimum grade of C- Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 1

MUS 243 - String Class

Course Description:

Basic technique on violin, viola, cello, and string bass.
Credit Hours: 1 Additional Restrictions/Requirements:

Consent of instructor.
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 1

MUS 244 - Instrumental Techniques I

Course Description:

Basic playing technique on woodwind, brass, and percussion instruments.
Credit Hours: 1 Additional Restrictions/Requirements:

Two semesters of applied music study.
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 1

MUS 245 - Instrumental Techniques II

Course Description:

Basic playing technique on woodwind, brass, and percussion instruments.
Credit Hours: 1 Additional Restrictions/Requirements:

Two semesters of applied music study.
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 1

MUS 246 - Instrumental Techniques III

Course Description:

Basic playing technique on ukulele, electric bass, and drum set. Students learn beginner and intermediate skills in the popular music idiom, including tablature, lead sheets, and ear-based approaches for learning and performing music.
Credit Hours: 1 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 4 Repeat Limit: 3

MUS 272 - Italian and German Diction for Singers

Course Description:

Italian and German phonetics, principles of lyric diction and sound production, and the international phonetic alphabet as it applies to Italian and German. General principles applicable to diverse periods, styles, and genres of "classical" vocal music set with Italian or German texts.
Credit Hours: 2 Additional Restrictions/Requirements:

Consent of instructor.
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 2

MUS 273 - French and English Diction for Singers

Course Description:
French and English phonetics, principles of lyric diction and sound production, and the international phonetic alphabet as it applies to French and English. General principles applicable to diverse periods, styles, and genres of "classical" vocal music set with French or English texts.
Credit Hours: 2 Additional Restrictions/Requirements:
Consent of instructor.
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 2

MUS 275 - Keyboard Literature I

Course Description:
A survey of intermediate and advanced keyboard literature of the Renaissance, Baroque, and Classical Periods in relation to contemporary pedagogical use. Historical evolution of instrument design included.
Credit Hours: 3 Additional Restrictions/Requirements:
Minimum of two semesters of MUS 196 or higher and consent of instructor.
Course Repeatability: Course may not be repeated.

MUS 276 - Keyboard Literature II

Course Description:
A survey of intermediate and advanced keyboard literature of the Romantic Period to the present in relation to contemporary pedagogical use.
Credit Hours: 3 Prerequisite Courses:
MUS 275
Additional Restrictions/Requirements:
Prerequisite course and minimum of two semesters of MUS 196 or higher, or consent of instructor.
Course Repeatability: Course may not be repeated.

MUS 284 - Foundations of Music Education

Course Description:
Study of the foundations of teaching music in grades K through 12. Topics include musical skill development, teaching techniques, methods, and materials. Exploration of the artistic processes: performing, creating, responding to, and connecting music with other curricula. Classroom observations and field experiences in K-12 school settings.

Credit Hours: 3 Prerequisite Courses:

EDN 200 and EDNL 200 [Inactive], or permission of instructor.

Course Repeatability: Course may not be repeated. Major Restriction: Music Education

MUS 285 - Conducting I

Course Description:

Conducting techniques, score-reading skills, issues of interpretation, rehearsal techniques, and associated terminology.

Credit Hours: 2 Prerequisite Courses:

MUS 300 and MUSL 300

Additional Restrictions/Requirements:

Prerequisite courses and passing the appropriate piano proficiency examination.

Course Repeatability: Course may not be repeated.

MUS 286 - Conducting II

Course Description:

More advanced conducting techniques, score-reading skills, issues of interpretation, rehearsal techniques, and associated terminology.

Credit Hours: 2 Prerequisite Courses:

MUS 285

Course Repeatability: Course may not be repeated.

MUS 300 - Theory IV

Course Description:

A survey of post-tonal music and techniques of the 20th and 21st centuries.

Lab:

The lab for this course is MUSL 300 .

Credit Hours: 2 Corequisite Courses:

["MUSL 300"]

Prerequisite Courses:

MUS 211

Course Repeatability: Course may not be repeated.

MUS 301 - Form/Analysis

Course Description:

A study of forms common in Western music from 1600 to the present and the development of skills in analysis.

Credit Hours: 3 Prerequisite Courses:

MUS 300

Course Repeatability: Course may not be repeated.

MUS 302 - Modal Counterpoint

Course Description:

A study of strict contrapuntal practice as observed in the church music of Palestrina, Lassus and other 16th-century composers. Includes writing in 2, 3, and 4 voices in imitative and non-imitative styles.

Credit Hours: 2 Prerequisite Courses: MUS 301 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 2

MUS 305 - Beat Making

Course Description:

Comprehensive overview of Hip Hop beat making. Fosters each student development as a beat maker, in in EDM, house, dance/club, top 40, drum and bass, boom bap or any other subgenre of interest. No prerequisite. 2 credits hours.

Credit Hours: 2 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

MUS 306 - Orchestration and Arranging

Course Description:

Techniques of transcribing, arranging, and scoring music for various vocal and instrumental combinations.

Credit Hours: 2 Prerequisite Courses:

MUS 300 and MUSL 300

Course Repeatability: Course may not be repeated.

MUS 307 - Songwriting

Course Description:

Study of basic songwriting styles and techniques, including methods for developing the skills and knowledge to construct well-crafted lyrics, melodies, and chords. Students develop their musical identity and critical listening skills through analysis, discussion, synthesis, and songwriting activities.

Credit Hours: 2 Prerequisite or Corequisite Courses:

MUS 110 .

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 4 Repeat Limit: 1

MUS 308 - Jazz Arranging

Course Description:

Arranging and scoring the jazz combo, with emphasis on contemporary styles. Presentation in both lecture and performance format.

Credit Hours: 2 Prerequisite Courses:

MUS 300 and MUS 315

Course Repeatability: Course may not be repeated.

MUS 309 - Jazz Arranging II

Course Description:

Arranging and scoring the large jazz ensemble with emphasis on contemporary styles. Lecture and performance format.

Credit Hours: 2 Prerequisite Courses:

MUS 308

Course Repeatability: Course may not be repeated.

MUS 310 - Film Scoring and Video Game Music

Course Description:

Intermediate study of digital sound synthesis, sampling, and MIDI sequencing, with an emphasis on scoring for film and video games.

Credit Hours: 3 Prerequisite Courses:

MUS 214 .

Course Repeatability: Course may not be repeated.

MUS 311 - Live Sound Production

Course Description:

Introduction to the essentials of live sound production. Overview of sound system designs, operation, mixing live events, equipment, software, acoustics, stage management, and safety protocols. Study and application of common techniques used for amplifying and mixing sound sources in various event environments.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

MUS 315 - Jazz Improvisation I

Course Description: Development of materials and practice for basic improvisational skills in the jazz idiom. Performance-oriented course exploring a variety of methods to gain a better understanding of the art of improvisation. Credit Hours: 2 Prerequisite Courses: MUS 111 and MUS 112 Course Repeatability: Course may not be repeated. Major Restriction: Music, B.A. Minor Restriction: Jazz Studies Minor

MUS 316 - Jazz Improvisation II

Course Description:

Development of materials and practice for advanced improvisational skills in the jazz idiom. A performance-oriented course that explores a variety of methods to gain a better understanding of the art of improvisation.

Credit Hours: 2 Prerequisite Courses:

MUS 315

Course Repeatability: Course may not be repeated. Major Restriction: Music, B.A. Minor Restriction: Jazz Studies Minor

MUS 320 - Pedagogy for Beginning Band Instruments

Course Description:

Principles for teaching woodwind, brass, and percussion instruments to beginners. Field experience required.

Credit Hours: 2 Prerequisite Courses:

MUS 244 and MUS 245

Course Repeatability: Course may not be repeated. Additional Fees Link:
Additional Course Fee Schedule

MUS 325 - Jazz Ensemble Techniques

Course Description:

Basic rehearsal techniques and methods for developing and directing a high school jazz ensemble. Lecture format and practical conducting experience with one of the university's jazz ensembles.

Credit Hours: 1 Prerequisite Courses:

MUS 285

Course Repeatability: Course may not be repeated.

MUS 326 - General Music Methods

Course Description:

Methodology for teaching music in the classroom; lesson planning; computer applications; music textbooks and materials for K-12.

Lab:

The lab for this course is MUSL 326 .

Credit Hours: 3 Corequisite Courses:

MUSL 326 .

Prerequisite Courses:

MUS 284

Additional Restrictions/Requirements:

Admission to the Watson College of Education or permission of instructor.

Course Repeatability: Course may not be repeated. Major Restriction: Bachelor of Music Education

MUS 331 - Measurement and Evaluation in Music Education

Course Description:

Development of learning outcomes. Measurements of musical behaviors, test construction, interpretation of data and results.

Credit Hours: 1 Prerequisite Courses:

MUS 326 and (MUS 373 or MUS 377)

Course Repeatability: Course may not be repeated.

MUS 333 - Opera Workshop

Course Description:

The musical preparation and staging of operatic scenes through dramatic interpretation and body movement. Three rehearsal hours per week. May be repeated for credit.

Credit Hours: 1 Additional Restrictions/Requirements:

Four semesters of applied voice or consent of instructor.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 4

MUS 334 - Musical Theatre Performance Techniques

Course Description:

Overview of the musical basic skills and performance techniques necessary to successfully perform musical theatre.

Credit Hours: 1 Course Repeatability: Course may not be repeated. Minor Restriction: Musical Theatre

MUS 335 - Musical Theatre Workshop

Course Description:

Musical preparation and staging of musical theatre scenes through dramatic interpretation and body movement. Three rehearsal hours per week. May be repeated for credit.

Credit Hours: 1 Prerequisite Courses:

MUS 334 .

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 4 Repeat Limit: 3 Minor Restriction: Musical Theatre

MUS 340 - Film Music

Course Description:

Introduction to the history and critical interpretation of film music, with a focus on feature-length narrative films. Survey of film scoring styles and evolving sound technologies from the late nineteenth century to the present day.

Credit Hours: 3 University Studies: ["Building Competencies/Writing Intensive", "Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives"] Course Repeatability: Course may not be repeated.

MUS 341 - American Musical Theatre

Course Description:

History and interpretation of American musical theatre from a variety of perspectives, including musical style, the role of dance, film realizations, cultural critique, racial and ethnic identity, and politics.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives", "Approaches and Perspectives/Living in Our Diverse Nation"] Course Repeatability: Course may not be repeated.

MUS 342 - Women in Music

Course Description:

Analysis of music literature composed, performed, and/or produced by women, as well as examination of roles and representations of women in music, from the Middle Ages to the present day. Case studies drawn from Western classical, jazz, global, and popular music traditions. Selected topics may vary by semester.

University Studies: ["Approaches and Perspectives/Living in Our Diverse Nation", "Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives"] Course Repeatability: Course may not be repeated.

MUS 344 - Class, Gender, and Sexuality in African American Music

Course Description:

Application of musical analysis and cultural studies to examine the intersections of race, class, gender and sexuality in African American musical traditions and among African American musicians. Technical knowledge of music not required.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

MUS 345 - Latin American Popular Music

Course Description:

Survey of popular music genres in Latin America, focusing on musical characteristics and components, instruments and performance techniques, and historical developments in their evolving musical forms. Music will be presented with contextual information on the social, religious, and economic history of each region.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in a Global Society"] Course Repeatability: Course may not be repeated.

MUS 351 - Introduction to Music History I: Middle ages - Classical Periods

Course Description:

Overview of music history and literature, stressing the stylistic developments of music and related social and historical events of the Middle Ages, Renaissance, Baroque and Classical periods.

Credit Hours: 3 Prerequisite Courses:

MUS 150

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.
University Studies: ["Approaches and Perspectives/Historical and Philosophical Approaches", "Building Competencies/Writing Intensive", "Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

MUS 352 - Introduction to Music History II: Romantic-Contemporary Periods

Course Description:
Overview of music history and literature, stressing the stylistic developments of music and related social and historical events of the Romantic and Contemporary periods.
Credit Hours: 3 Prerequisite Courses: MUS 150 Additional Restrictions/Requirements:
Prerequisite course or consent of instructor.
University Studies: ["Approaches and Perspectives/Historical and Philosophical Approaches", "Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

MUS 364 - History of Music IV: 20th and 21st Centuries

Course Description:
Music history and literature of the 20th and 21st centuries (contemporary period).
Credit Hours: 2 Prerequisite Courses:
MUS 352
Additional Restrictions/Requirements:
Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

MUS 365 - Advanced Jazz History

Course Description:
Examination of jazz history, from the early twentieth century to today, with emphasis on the music's origins, development, and main contributors. Analysis of harmony, form, and style features while improving listening skills. By the end, students engage in a more profound intellectual discussion about jazz.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

MUS 370 - Pedagogy and Literature I

Course Description:
Materials, methods, literature, and skills for teaching the beginning through early intermediate-level private student, particularly in the individual studio setting. Business aspects of setting up a teaching studio. Faculty supervision of required practical field experience.

Credit Hours: 3 Additional Restrictions/Requirements:

Consent of instructor.

Course Repeatability: Course may not be repeated.

MUS 373 - Instrumental Methods

Course Description:

Methodology for teaching instrumentalists in an ensemble setting from upper elementary through high school level. Rehearsal planning and procedure, materials, computer applications, and basic marching band techniques.

Lab:

The lab for this course is MUSL 373 .

Credit Hours: 3 Corequisite Courses:

MUSL 373 .

Prerequisite Courses:

MUS 284 .

Additional Restrictions/Requirements:

Admission to the Watson College of Education or permission of instructor.

Course Repeatability: Course may not be repeated. Major Restriction: Bachelor of Music Education

MUS 374 - Pedagogy and Literature II

Course Description:

Materials, methods, and skills for teaching the advanced-level private student, particularly in the individual studio setting. A survey of intermediate and advanced literature from the 17th century to the present.

Credit Hours: 3 Prerequisite Courses:

MUS 370

Additional Restrictions/Requirements:

Prerequisite course and consent of instructor.

Course Repeatability: Course may not be repeated.

MUS 377 - Choral Methods

Course Description:

Goals, objectives, methodology, and assessment procedures for teaching choral music. Topics may include repertoire and programming, learning theory applied to choral rehearsal, group vocal training techniques, rehearsal procedures, and program management strategies.

Lab:

The lab for this course is MUSL 377 .

Credit Hours: 3 Corequisite Courses:

MUSL 377 .

Prerequisite Courses:

MUS 284 .

Additional Restrictions/Requirements:

Admission to the Watson College of Education or permission of instructor.

Course Repeatability: Course may not be repeated. Major Restriction: Bachelor of Music Education

MUS 381 - Music Entrepreneurship

Course Description:

A survey of the history and practices of the music industry, with an emphasis on evolving practices, emerging opportunities, and innovation in career planning, as well as methods and practices of artist representation and self-promotion.

Credit Hours: 3 Additional Restrictions/Requirements:

Consent of instructor.

Course Repeatability: Course may not be repeated.

MUS 382 - Music Industry

Course Description:

A survey of the structures, economics, and operations of the recording industry; music publishing and distribution systems; intellectual property; and issues related to live music performance, with an emphasis on copyright law, contracts, and licensing, as well as marketing and promotional strategies of major and independent record labels, music publishers, and various media.

Credit Hours: 3 Prerequisite Courses:

MUS 381

Course Repeatability: Course may not be repeated.

MUS 393 - Junior Recital

Course Description:

A performance of at least 20 minutes of repertoire selected from the appropriate levels of difficulty.

Credit Hours: 1 Additional Restrictions/Requirements:

Consent of faculty.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 2 Repeat Limit: 1

MUS 396 - Upper Level Applied Music, Private Lessons

Course Description:

Corequisite: MUS LAB (appropriate section). Includes one-hour private lesson per week (TBA) and a minimum of one MUS LAB/seminar hour each week. This course

is restricted to music majors who have passed the upper level qualifying jury. May be repeated for credit.

Credit Hours: 1 Additional Restrictions/Requirements:

Audition; consent of Music Department Chair and instructor.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 12

MUS 401 - Introduction to Orff-Schulwerk

Course Description:

Two-week, interactive course provides an introductory study of the Orff-Schulwerk approach to music and movement education. Intended for pre-service music educators, emphasizes the Orff process as demonstrated and experienced through a range of creative activities and assignments during 60 contact hours. Specific applications for general music in grades K-8, topics include movement and musical skill development.

Credit Hours: 3 Prerequisite Courses:

MUS 326 with a "B" or better and MUSL 326 with a "B" or better

Course Repeatability: Course may not be repeated. Major Restriction: BM Music Education

MUS 402 - Marching Band Pedagogy

Course Description:

Field experience in a high school marching band program. Marching basics, show planning fundamentals, rehearsal techniques, program philosophy and management.

Credit Hours: 2 Prerequisite Courses:

MUS 373

Additional Restrictions/Requirements:

Prerequisite course and consent of the instructor.

Course Repeatability: Course may not be repeated. Additional Fees Link:
Additional Course Fee Schedule

MUS 403 - Advanced Composition

Course Description:

Advanced study of compositional techniques through direct application in original compositions. One hour seminar each week plus a full hour private lesson. May be repeated.

Credit Hours: 3 Prerequisite Courses:

MUS 203

Additional Restrictions/Requirements:

Prerequisite course and consent of instructor. Music majors only.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

MUS 485 - Advanced Conducting

Course Description:

Choral or instrumental conducting techniques. Students work with the appropriate ensemble using selected literature, e.g. orchestral, wind ensemble, jazz ensemble, choral ensemble, for the various media. (Enrollment restricted to availability of laboratory ensembles and to students of exceptional background and aptitude in the field of conducting.)

Credit Hours: 2 Prerequisite Courses:

MUS 285 and MUS 286

Additional Restrictions/Requirements:

Prerequisite course and consent of instructor.

Course Repeatability: Course may not be repeated.

MUS 490 - Thesis

Course Description:

A research thesis in a subject to be determined in consultation with the music faculty during the semester preceding the taking of this course.

Credit Hours: 1 Course Repeatability: Course may not be repeated.

MUS 491 - Directed Individual Study

Course Description:

Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.

Credit Hours: 1 To 3 Additional Restrictions/Requirements:

Junior or senior standing, overall GPA of at least 2.00, and consent of instructor, department chair and dean.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

MUS 493 - Senior Recital

Course Description:

A performance of at least 40 minutes of repertoire selected from the appropriate levels of difficultly.

Credit Hours: 1 Additional Restrictions/Requirements:

Consent of the music faculty.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 2 Repeat Limit: 1

MUS 495 - Seminar in Music

Course Description:

Consideration of special subjects not covered in detail in regular course offerings. More than one topic may be taken for credit.
Credit Hours: 1 To 3 Additional Restrictions/Requirements:
Junior or senior standing.
University Studies: ["Common Requirements/Critical Reasoning"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

MUS 496 - Senior Seminar in Music

Course Description:
Synthesis and application to a specific topic in the student's principal area of interest, chosen, in consultation with the instructor, from previous musical study or from areas beyond what is offered in regular course offerings. Students meet together one hour per week to discuss their work; in addition, each student meets individually with a specialist who supervises project. May be repeated under a different subtitle.
Credit Hours: 3 Additional Restrictions/Requirements:
Senior standing.
University Studies: ["Explorations Beyond the Classroom", "Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 6

MUS 498 - MUS 498 - Internship in Music - Hoke

Course Description:
Academic training and practical field experience through a program of work and study within an agency and/or setting related to the student's principal area of interest. Faculty supervision and evaluation of all study and on-site activity. A maximum of six credit hours may be applied toward the degree.
Credit Hours: 3 Additional Restrictions/Requirements:
Junior or senior standing and consent of Music department chair and instructor.
University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12 Repeat Limit: 3 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

MUS 499 - Honors Work in Music

Course Description:
Independent study for honor students.
Credit Hours: 2 To 3 Additional Restrictions/Requirements:
Junior or senior standing, eligibility for honors program, and consent of Music department chair and instructor.
University Studies: ["Explorations Beyond the Classroom", "Critical Reasoning"] Course

Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

MUSL 111 - Aural Skills and Sight-Singing I

Course Description:

Includes melodic, harmonic and rhythmic dictation and sight-singing using the materials introduced in MUS 111 .

Lab:

This course is the lab for MUS 111 .

Credit Hours: 1 Corequisite Courses:

["MUS 111 "]

Course Repeatability: Course may not be repeated.

MUSL 112 - Aural Skills and Sight-Singing II

Course Description:

Includes melodic, harmonic, and rhythmic dictation, and sight-singing using the materials introduced in MUS 112 .

Lab:

This course is the lab for MUS 112 .

Credit Hours: 1 Corequisite Courses:

["MUS 112 "]

Prerequisite Courses:

MUSL 111

Course Repeatability: Course may not be repeated.

MUSL 211 - Aural Skills and Sight-Singing III

Course Description:

Includes melodic, harmonic, and rhythm dictation, and sight-singing using the materials introduced in MUS 211 .

Lab:

This course is the lab for MUS 211 .

Credit Hours: 1 Corequisite Courses:

["MUS 211 "]

Prerequisite Courses:

MUSL 112

Course Repeatability: Course may not be repeated.

MUSL 300 - Aural Skills and Sight-Singing IV

Course Description:

Dictation and transcription problems, sight-singing of choral and instrumental works.

Lab:

This course is the lab for MUS 300 .

Credit Hours: 1 Corequisite Courses:

["MUS 300 "]

Prerequisite Courses:

MUSL 211

Course Repeatability: Course may not be repeated.

MUSL 326 - Field Experience in General Music

Course Description:

Lab course designed to provide supervised field experiences in general music with public school students. Observation and reflection; application of pedagogy.

Lab:

This course is the lab for MUS 326 .

Credit Hours: 1 Corequisite Courses:

["MUS 326 "]

Course Repeatability: Course may not be repeated. Additional Fees Link:

Additional Course Fee Schedule

MUSL 373 - Field Experience in Instrumental Music

Course Description:

Supervised instrumental music field experiences with public school students. Observation and reflection; application of pedagogy.

Lab:

This course is the lab for MUS 373 .

Credit Hours: 1 Corequisite Courses:

["MUS 373 "]

Course Repeatability: Course may not be repeated. Additional Fees Link:

Additional Course Fee Schedule

MUSL 377 - Field Experience in Choral Music

Course Description:

Supervised choral music field experiences with public school students. Observation and reflection; application of pedagogy.

Lab:

This course is the lab for MUS 377 .

Credit Hours: 1 Corequisite Courses:

["MUS 377 "]

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 1 Additional Fees Link:

Additional Course Fee Schedule

NSG 294 - Undergraduate Nursing Study Abroad I

Course Description:

This course provides School of Nursing undergraduate study abroad opportunities.

Credit Hours: 1 To 6 University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated.

NSG 300 - Health Assessment and Core Nursing Concepts

Course Description:

This course introduces the student to the core concepts of nursing that are essential to the role of the professional nurse in caring for individuals, families, and communities. The course will focus onnormalassessmentskills across the lifespan as a component ofcore nursing care.Didactic concepts will be applied in the laboratory setting for demonstration of assessment skills using varying degrees of technology.

Credit Hours: 4 (3 lecture/1 lab) Additional Restrictions/Requirements:

Admission to the Undergraduate Nursing Program

Course Repeatability: Course may not be repeated. Major Restriction: Nursing

NSG 302 - Foundational Nursing Care of Adults

Course Description:

This course introduces the student to the core concepts of nursing essential to the role of the professional nurse when caring for adult patients, their families, and communities in a variety of clinical settings. Course content will emphasize foundational, evidenced-based skills using the nursing process, and techniques of safe nursing practice for health promotion.

Credit Hours: 1 To 5 Additional Restrictions/Requirements:

Admission to the Undergraduate Nursing Program.

Course Repeatability: Course may not be repeated. Additional Course Fees: ["F003 Student Blanket Professional Liability Insurance, F012 Nursing Simulation Fee"] Additional Fees Link:

Additional Student Fee Link

Major Restriction: Nursing

NSG 304 - Introduction to Professional Nursing

Course Description:

This course introduces the student to the core concepts of professional nursing. Course content includes nursing history, theory and an introduction to American Nurses Association Code of Ethics, legal standards of the nursing scope of practice through regulatory bodies and evolving issues in the profession. Students will learn the quality safety standards education for nurses and the standards for interprofessional collaboration.

Credit Hours: 3 Additional Restrictions/Requirements:

Admission to the Undergraduate Nursing Program.

University Studies: ["Writing Intensive"] Course Repeatability: Course may not be repeated. Major Restriction: Nursing

NSG 306 - Pathopharmacology I

Course Description:

Introduces basic concepts of pathophysiology and pharmacotherapeutics, building on basic anatomy and physiology, microbiology, and chemistry content obtained from earlier courses. The pathophysiology of common disease conditions affecting human beings across the lifespan are explored. This course also examines basic drug classifications, concepts and principles of pharmacology with special consideration for the nursing role in developing a comprehensive approach to the clinical application of drug therapy.

Credit Hours: 3 Additional Restrictions/Requirements:

Admission to the Undergraduate Nursing Program.

Course Repeatability: Course may not be repeated. Major Restriction: Nursing

NSG 311 - Focused Care for Adults Across the Lifespan

Course Description:

This course will build on previous concepts of adult nursing and special populations across the life span (including women's health and geriatrics) that are essential to the role of the professional nurse in caring for individuals, families, and communities. The course will focus oncomplex adultassessmentskills as a component ofcore nursing care, andthenursing process.Didactic concepts will be applied in the laboratory setting for demonstration of assessment skills using varying degrees of technology.

Credit Hours: 3 (2 lecture/1 lab) Prerequisite Courses:

NSG 300 , NSG 302 (C or better).

Course Repeatability: Course may not be repeated. Additional Course Fees: ["F003 Student Blanket Professional Liability Insurance, F012 Nursing Simulation Fee"] Additional Fees Link: Additional Student Fees Link

NSG 313 - Nursing Care of Women's Health Across the Lifespan

Course Description:

This course introduces core concepts of nursing essential to the role of the professional nurse caring for women across the lifespan. The course content will assist the learner in improving health promotion and restoration for women through all phases of life, including the care of women in the prenatal, perinatal, and

postnatal periods. Professional nursing values of patient centered care, lifelong learning and quality improvement are components of classroom and clinical learning. Newborn nursing assessment will be included as part of the complete postpartum (includes mother/baby/family) phase. Applications of concepts and essential psychomotor skills are demonstrated in clinical experiences working with culturally diverse families.

Credit Hours: 3 (2 lecture/1 clinical) Prerequisite Courses:

NSG 300 , NSG 302 , NSG 306 (C or better).

Course Repeatability: Course may not be repeated. Major Restriction: Nursing

NSG 314 - Nursing Care of Children

Course Description:

This course introduces core concepts of nursing essential to the role of the professional nurse caring for children and their families, in the child's natural environments (i.e. home or school) within the community and in acute care settings. Content will include strategies for improving child health status based on diverse needs of the child and their family, in the context of the child's situational environment. Professional values of patient and family centered care, life-long learning, and quality improvement will be emphasized. Essential psychomotor skills will be applied via experiences caring for children in a variety of clinical agencies.

Credit Hours: 4 (2 lecture/2 clinical) Prerequisite Courses:

NSG 300 , NSG 302, NSG 306 (C or better)

Course Repeatability: Course may not be repeated. Major Restriction: Nursing

NSG 315 - Research in Nursing for the Professional Nurse

Course Description:

This course is intended for those students enrolled in the Prelicensure program. Introduces research design and analysis necessary to examine, apply, and utilize nursing science. Course content includes an overview of current issues in knowledge development in nursing including the process of research utilization and evidence based practice. The student will conduct analytic critiques of the research literature for scientific merit, synthesize these critiques for application to practice, and develop strategies for providing leadership to make evidence based practice a reality in current and future work settings.

Credit Hours: 3 Prerequisite Courses:

STT 210 or STT 215 or PSY 225 or BAN 280.

Additional Restrictions/Requirements:

Intended for students enrolled in the Prelicensure program.

University Studies: ["Building Competencies/Writing Intensive", "Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

NSG 316 - Professional Nursing Practice for the Baccalaureate Nurse

Course Description:

This is a seminar course for registered nurses. Students will examine foundations and contemporary issues of professional nursing practice and will explore critical abilities and roles for the baccalaureate nurse in the management of quality, patient care. This course will introduce students to online learning and provide strategies for success.

Credit Hours: 3 Additional Restrictions/Requirements:

Open only to students in the RNBSN program.

University Studies: ["Building Competencies/Writing Intensive", "Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

NSG 317 - Introduction to Evidence Based Practice and Research

Course Description:

Course content includes an overview of current issues in knowledge development in nursing including the process of research utilization and evidence-based practice. Student will conduct analytic critiques of the research literature for scientific merit, synthesize these critiques for application to practice, and develop strategies for providing leadership to make evidence-based practice a reality in current and future work settings.

Credit Hours: 3 Prerequisite Courses:

NSG 304 (C or better).

Additional Restrictions/Requirements:

Minimum grade of C or better.

University Studies: ["Building Competencies/Writing Intensive", "Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated. Major Restriction: Nursing

NSG 319 - Pathopharmacology II

Course Description:

This course builds on basic concepts of pathophysiology and pharmacotherapeutics from earlier courses. The pathophysiology of disease conditions affecting human beings across the lifespan are explored, along with pharmacotherapeutics related to

these disease conditions. Nursing implications relative to the utilization of drug therapy are examined.

Credit Hours: 3 Prerequisite Courses:

NSG 306 (C or better).

Additional Restrictions/Requirements:

Minimum grade of C or better.

Course Repeatability: Course may not be repeated. Major Restriction: Nursing

NSG 320 - Patho/Pharm I

Course Description:

This course focuses on general concepts along with specific disease processes of physiological systems and the use of drugs to prevent or ameliorate those processes. Discussion topics focus on adaptation of the physiologic processes across the life span along with the basic concepts of pharmacology and pharmacotherapy.

Credit Hours: 3 Corequisite Courses:

NSG 326

Prerequisite Courses:

BIO 240 and BIO 241 and BIO 246.

Course Repeatability: Course may not be repeated.

NSG 321 - Gerontological Nursing and the End of Life Care

Course Description:

This course covers optimum health care for the aging client using the demographic, physiological, psychosocial and economic aspects of aging. Emphasis is placed on understanding the unique needs of the aging population, and to provide evidence-based care using interprofessional collaboration to improve care transitions, and health outcomes for older adults that promotes quality of life.

Credit Hours: 3 Prerequisite or Corequisite Courses:

NSG 316 with a C or better.

Additional Restrictions/Requirements:

Open only to students in the RNBSN program.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

NSG 322 - Issues, Trends and Health Policy in Nursing

Course Description:

This course is designed to provide students as present and future leaders with a political, economic, and financial understanding of nursing's role in the health care system. Students learn professional values and ethical behaviors that guide nursing

practice and the impact of research used to improve the care of individuals, families, groups and communities. In addition, fundamentals of health policy creation are introduced to facilitate the merging of the policy and financial side with the clinical dimension.

Credit Hours: 3 Prerequisite Courses:

NSG 315.

University Studies: ["Building Competencies/Information Literacy", "Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

NSG 323 - Health Assessment for Registered Nurses

Course Description:

This course enhances students' assessment and clinical reasoning skills. Emphasis is placed on analyzing nursing assessment findings, setting priorities, and developing a plan of care that promotes or restores health. This course explores the impact of the environment, life choices, literacy, and genomics on holistic health.

Credit Hours: 3 Prerequisite or Corequisite Courses:

NSG 316 with a C or better.

Additional Restrictions/Requirements:

Open only to students in the RNBSN program.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

NSG 324 - Clinical Application of Therapeutic Nutrition

Course Description:

A course for nursing students which emphasizes foundations of nutrition and diet therapy that can be applied to patients of all ages and in various stages on the health and illness continuum. The nursing process is used to examine the clinical interrelationships among nutrients and other variables such as: foods, cultures, health, education, and behaviors of individuals, families, and communities. Emphasis is placed on developing the role of the nurse in meeting the nutritional needs of patients in a variety of practice settings.

Credit Hours: 2 Course Repeatability: Course may not be repeated.

NSG 326 - Clinical Nursing II: Adult Health I

Course Description:

Introduces the core concepts of nursing essential to the role of the professional nurse when caring for individual clients with medical/surgical conditions. Course content will emphasize the relationship between the nursing process and patient centered care, clinical reasoning, and integrity of practice applied to problems of oxygenation/ventilation, problems of movement and coordination, and problems of

perception and sensory input in vulnerable populations. Adopted theories from physiology, psychology, sociology and nursing will be related to patient centered care and quality improvement. Application of concepts and essential psychomotor skills are demonstrated in clinical experiences and using advanced technology working with clients in selected clinical agencies.

Credit Hours: 6 (3 Theory/3 Clinical) Corequisite Courses:

NSG 320

Course Repeatability: Course may be repeated. Additional Fees Link:
Additional Course Fee Schedule

NSG 329 - Mental Health Nursing

Course Description:

Introduces the core concepts of nursing essential to the role of the professional nurse caring for clients with mental health disorders across the life span and to their families. Course content will include factors currently shaping professional nursing roles and on interpersonal skills required for improving health status and diverse client needs. Adopted theories will be related to legal and ethical considerations in client-centered care, quality improvement, and life long learning. Application of concepts is demonstrated in clinical experiences working with clients in selected clinical agencies.

Credit Hours: 4 Corequisite Courses:

NSG 330

Prerequisite Courses:

NSG 326

Course Repeatability: Course may not be repeated. Additional Fees Link:
Additional Course Fee Schedule

NSG 330 - Maternal-Infant Nursing

Course Description:

Introduces core concepts of nursing essential to the role of the professional nurse caring for families. The course content will include health promotion and restoration for the childbearing family during the prenatal, perinatal and postnatal periods, along with professional values of client-centered care, life-long learning and quality improvement. Applications of concepts and essential psychomotor skills are demonstrated in clinical experiences working with clients in culturally diverse agencies.

Credit Hours: 4 Corequisite Courses:

NSG 329

Prerequisite Courses:

NSG 326
Course Repeatability: Course may not be repeated.

NSG 334 - Gerontology Nursing

Course Description:
Introduces the student to the demographic, physiological, psychosocial and economic aspects of aging. Critical assessment parameters will be used as a framework for identifying both normal and pathological with emphasis on nursing assessment and management of care. Course content will include primary care, secondary care, tertiary care and prevention, care giving roles, ethical issues, legal issues and resource allocation.
Credit Hours: 3 Prerequisite Courses:
NSG 326 .
Course Repeatability: Course may not be repeated.

NSG 335 - Patho/Pharm II

Course Description:
This course is a continuation of Patho/Pharm I which focuses on general concepts along with specific disease processes of physiological systems and the use of drugs to prevent or ameliorate those processes. Discussion topics focus on adaptation of the physiologic processes across the life span along with the basic concepts of pharmacology and pharmacotheraphy.
Credit Hours: 3 Prerequisite Courses:
NSG 320 .
Course Repeatability: Course may not be repeated.

NSG 346 - Evolution of Professional Nursing

Course Description:
Students will examine the evolution of professional nursing in America through the study of select critical historical analyses of a significant influential event, time, concept, or person. Exposure to critical historical works will provide students a contextual perspective and enlightenment to evaluate the contemporary professional identity and practice role of the nurse.
Credit Hours: 1 Additional Restrictions/Requirements:
Open only to students in RNBSN program.
Course Repeatability: Course may not be repeated.

NSG 361 - Building a Professional Nursing Career

Course Description:
This course focuses on building a career path in professional nursing that includes

continuous engagement and lifelong learning. Engagement in professional nursing organizations, sharing best practices through presentations and use of the principles of scholarly writing, and planning for lifelong learning are presented as strategies to advance professionalism in nursing.

Credit Hours: 1 Additional Restrictions/Requirements:

Open only to students in the RNBSN program.

Course Repeatability: Course may not be repeated.

NSG 385 - Palliative & End-of-Life Care Across the Lifespan

Course Description:

This course introduces the student to the field of palliative and end-of-life care. It will focus on a holistic approach to nursing care for the physical, psychological and spiritual needs of patients across the lifespan experiencing a wide range of illnesses. Illnesses will include progressive, chronic or debilitating disorders. An emphasis will be placed on maintaining quality of life through palliative and end-of-life care with an understanding that patients and families have diverse values, beliefs, needs, and expectations.

Credit Hours: 3 Additional Restrictions/Requirements:

Open only to students in the RNBSN program.

Course Repeatability: Course may not be repeated.

NSG 398 - NSG 398 - Health Policy - Thompson

Course Description:

This course focuses on social, psychological, economic, political, legal, ethical, and diverse environments which shape health care delivery systems. Nursing practice is studied relative to inter-professional collaboration, advocacy, and leadership. Emphasis is placed on critical analyses related to health policy, health care reform, health care systems, and social determinants of health.

Credit Hours: 3 Prerequisite Courses:

NSG 316 with a C or better.

Additional Restrictions/Requirements:

Open only to students in the RNBSN program.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

NSG 401 - Pediatric Nursing

Course Description:

Introduces the core concepts of nursing essential to the role of the professional nurse caring for children and their families. Course content includes strategies for improving the child's health status based on diverse needs dictated by the

environment and the professional values of client-centered care, life-long learning, and quality improvement. Application of essential psychomotor skills is demonstrated in experiences working with children in culturally diverse clinical agencies.

Credit Hours: 4 Corequisite Courses:

NSG 405

Prerequisite Courses:

NSG 329 and NSG 330 and NSG 335 .

Course Repeatability: Course may not be repeated.

NSG 403 - Adult Health II

Course Description:

Introduces advanced concepts of nursing essential to the role of the professional nurse when caring for adult clients with complex health problems. Course content will include measures to maintain and support the health status related to the pathophysiology of selected diseases and changes in function. Emphasis will be placed on the relationship between the nursing process and client centered care, clinical reasoning, and integrity of practice applied to acute and chronic conditions. Adopted theories from physiology, psychology, sociology and nursing will be related to client centered care and quality improvement. Application of concepts and essential psychomotor skills are demonstrated in clinical experiences using advanced technology and working with clients in selected clinical agencies.

Credit Hours: 7 Corequisite Courses:

NSG 407 and NSG 409 .

Prerequisite Courses:

NSG 401 and NSG 405 and NSG 315 ..

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 8

NSG 405 - Community Health Nursing

Course Description:

Introduces the core concepts of professional nursing essential to the role of the professional nurse when caring for aggregates of clients in the community. Course contents emphasize the relationships between the community nursing process and client centered care, clinical reasoning, and integrity of practice applied risk reduction, health prevention and promotion of individuals, families, and aggregates in diverse community settings. Adopted theories from epidemiology, sociology, nursing, and environmental management are related to the aggregate client centered care and quality improvement. Application of concepts and essential

psychomotor skills are demonstrated in a clinical experience using advanced technology and working with clients in selected clinical agencies.
Credit Hours: 4 (2 Theory/2 Clinical) Corequisite Courses:
NSG 401
Prerequisite Courses:
NSG 329 and NSG 330 and NSG 335
University Studies: ["Approaches and Perspectives/Living in Our Diverse Nation", "Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 5

NSG 406 - Leadership and Management in Nursing

Course Description:
This course introduces core concepts of leadership and management for the professional nurse. Emphasis is placed on leadership and management theories, health systems organization, role development, and the legal and ethical considerations that impact care delivery and quality.
Credit Hours: 3 Prerequisite Courses:
NSG 316 with a C or better.
Additional Restrictions/Requirements:
Only open to students in the RN-BSN option.
Course Repeatability: Course may not be repeated.

NSG 407 - Leadership and Management in Nursing for the Professional Nurse

Course Description:
Introduces the core concepts of leadership and management for the professional nurse. Course content includes discussion of theories of management and leadership; health systems organizations; change, power, authority; role development; models of nursing care delivery; legal ramifications of delegation, models of quality management; nursing and the political process.

Credit Hours: 3 Corequisite Courses:
NSG 403, NSG 409
Additional Restrictions/Requirements:
This course is intended for those students enrolled in the Prelicensure program.
Course Repeatability: Course may not be repeated.

NSG 408 - Population and Community Health Nursing

Course Description:

This course addresses the community nursing process and its relationship with client-centered care, clinical reasoning, and integrity of practice applicable to health prevention, promotion, and risk reduction in diverse settings. Content addresses social and ecological determinants of health through health education, epidemiology, case management, partnerships, and technology, examining outcomes for an evidence-based, culturally sensitive practice.
Credit Hours: 3 Prerequisite Courses:
NSG 316 with a C or better.
Additional Restrictions/Requirements:
Open only to students in the RNBS Program.
University Studies: ["Approaches and Perspectives/Living in Our Diverse Nation", "Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

NSG 409 - Clinical Nursing VIII: Capstone, Transition to Professional Practice

Course Description:
This end of program capstone focuses on integrating concepts, principles, knowledge, and theories from nursing, other disciplines, and the arts and sciences. The course is designed to foster an intense one to one learning experience between the student and an experienced preceptor while under the guidance of the UNCW SON clinical faculty. This relationship is designed to facilitate the transition to the professional practice setting, to enhance the development and demonstration of sound clinical judgment, and to promote confidence functioning as a generalist professional nurse.
Credit Hours: 4 Corequisite Courses:
NSG 403 and NSG 407
Prerequisite Courses:
NSG 401 and NSG 405 and NSG 415
University Studies: ["Common Requirements/Critical Reasoning"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 4

NSG 411 - Complementary and Alternative Therapies

Course Description:
This course provides a description and analysis of the growing use of complementary and alternative therapies (CATs) by consumers in contemporary society. Emphasis will be placed on ways to promote healing and optimum health in the individual, families, and communities. The student will increase their knowledge,

skills, and attitudes necessary to communicate effectively with patients and health care providers about these therapies to enhance patient health and safety.
Credit Hours: 3 Additional Restrictions/Requirements:

Open only to students in the RNBSN program.
University Studies: ["Approaches and Perspectives/Living in a Global Society"] Course Repeatability: Course may not be repeated.

NSG 415 - Research in Nursing

Course Description:

This course introduces the concepts of nursing research to registered nurses who are pursuing their baccalaureate degree in nursing. The course content includes a review of how to apply basic research concepts and evidence-based practice to the field of nursing science. The student will identify a health-related problem within nursing to conduct an analysis and critique of the research literature, synthesize these critiques as it applies to practice, and foster a plan of action to make evidence-based practice a reality within nursing practice.
Credit Hours: 3 Prerequisite Courses:

(STT 210 with a C or better or STT 215 with a C or better or PSY 225 with a C or better or QMM 280 with a C or better or BAN 280 with a C or better) and NSG 316 with a C or better.
Additional Restrictions/Requirements:

Open only to students in the RNBSN program.
University Studies: ["Building Competencies/Writing Intensive", "Building Competencies/Information Literacy", "Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

NSG 422 - Mental Health Nursing Across the Lifespan

Course Description:

This course introduces core concepts of nursing essential to the role of the professional nurse caring for patients with mental health disorders across the lifespan. The course content will include health promotion and restoration for the patients and their families, along with professional values of patient centered care, lifelong learning, and quality improvement. Applications of concepts and essential therapeutic communication and psychomotor skills are demonstrated in clinical experiences working with culturally diverse patients in various agencies.
Credit Hours: 3 (2 Lecture/1 clinical) Prerequisite Courses:

NSG 311 , NSG 314 , NSG 319 (C or better).
Course Repeatability: Course may not be repeated. Major Restriction: Nursing

NSG 424 - Nursing Leadership and Management

Course Description:

Introduces core concepts of leadership and management for the professional nurse. The course will focus on leadership and management theories, health systems organization, role development, and the legal and ethical considerations that impact care delivery and quality.

Credit Hours: 3 Prerequisite Courses:

NSG 317 (C or better).

Additional Restrictions/Requirements:

Minimum grade of C or better.

Course Repeatability: Course may not be repeated. Major Restriction: Nursing

NSG 426 - Acute and Complex Nursing Care of Adults

Course Description:

This course will build upon core nursing concepts essential to the role of the professional nurse when caring for individuals, families, and communities with complex health problems. This course will focus onadvanced concepts and response to changes inconditionfor patients with acute and chronic illnesses.Emphasis will be placed onthe nursing process, clinical reasoning and professional integrity.Advanced psychomotor skills and concepts in nursing care will be applied in lab and various clinical experiences.

Credit Hours: 6 (3 lecture/3 clinical) Prerequisite Courses:

NSG 311, NSG 313 , NSG 317 , NSG 319 (C or better).

University Studies: ["Critical Reasoning"] Course Repeatability: Course may not be repeated. Additional Course Fees: ["F003 Student Blanket Professional Liability Insurance, F012 Nursing Simulation Fee"] Additional Fees Link:

Additional Student Fee Link

Major Restriction: Nursing

NSG 430 - Population and Public Health Nursing

Course Description:

This course introduces the student to the core concepts essential to the role of the professional nurse in population health. The course focuses on health promotion, and disease and injury prevention based on determinants of local, national, and global health. Content is guided from theories in nursing, psychology, and sociology. Course content will examine how health care delivery systems, public health agencies, and community-based organizations collaborate for health

promotion, risk reduction, and disease management and control in vulnerable populations
Credit Hours: 3 (2 lecture/1 clinical) Prerequisite Courses:
NSG 313 , NSG 314 , NSG 426 (C or better).
Additional Restrictions/Requirements:
Minimum grade of C or better.

University Studies: ["Approaches and Perspectives/Living in a Global Society", "Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated. Major Restriction: Nursing

NSG 432 - Advocacy and Policy

Course Description:
This course focuses on social, psychological, economic, political, legal, ethical, and diverse environments which shape health care delivery systems in the United States. There will be critical analyses related to health policy, health care reform, health care systems, and determinants of health. It also explores how the nurse can advocate for change in health policy.
Credit Hours: 3 Prerequisite Courses:
NSG 424 (C or better).
Additional Restrictions/Requirements:
Minimum grade of C or better.
University Studies: ["Approaches and Perspectives/Living in Our Diverse Nation"] Course Repeatability: Course may not be repeated. Major Restriction: Nursing

NSG 434 - Capstone: Prioritization and Application of Nursing Care

Course Description:
Synthesizes information from previous courses to prepare the student for transition to practice. This course is designed to enhance the prioritization and reasoning skills needed by the nurse to manage, coordinate, and deliver safe patient-centered care. Through classroom activities and a one-to-one preceptorship with an experienced registered nurse, the student will refine psychomotor skills and deliver care that demonstrates sound clinical judgements and professional values.
Credit Hours: 5 (2 lecture/3 clinical) Prerequisite Courses:
NSG 422 , NSG 426 (C or better).
Additional Restrictions/Requirements:
Minimum grade of C or better.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated. Additional Course Fees: ["F003 Student Blanket Professional Liability Insurance, F012 Nursing Simulation Fee"] Major Restriction: Nursing

NSG 445 - Nursing in Barbados

Course Description:

Study designed for upper-division nursing majors and registered nurses to study the culture and health care practices of the people of Barbados. Students will have an in-depth study of the political, social, economic, religious, educational, governmental and health care systems. They will examine the history, traditions, customs, and health practices of the Bajan people. Clinical practicum will focus on care of clients in the Queen Elizabeth Hospital and Sir Winston Scott Polyclinic.

Credit Hours: 5 Course Repeatability: Course may not be repeated.

NSG 451 - Pediatric Nursing Care: Beyond the Basics

Course Description:

Building upon previous coursework related to family-centered care, ethics, and evidence-based practice, this course will equip students with specialized knowledge to advance their care of pediatric patients. Focus will include communication with interdisciplinary care team members as well as current best practice guidelines for the pediatric population. Concepts of pediatric advanced life support, family nursing assessment for the complex pediatric client, service/applied learning projects.

Credit Hours: 3 Prerequisite Courses:

NSG 314 , NSG 319 (C or better).

Additional Restrictions/Requirements:

Minimum grade of C or better.

Course Repeatability: Course may not be repeated. Major Restriction: Nursing

NSG 452 - Mental Health Care: Beyond the Basics

Course Description:

Appraise the impact of bias and stigma in the care of mental health disorder/s by examining the perspectives of mental illness from popular culture, healthcare providers, and patients. Students will focus on mitigating this bias and improving treatment from both an individual and population health focus.

Credit Hours: 3 Prerequisite Courses:

NSG 422 (C or better).

Additional Restrictions/Requirements:

Minimum grade of C or better. May only be taken in final semester of nursing school.

Course Repeatability: Course may not be repeated. Major Restriction: Nursing

NSG 453 - Clinical Reasoning for Critical Patients

Course Description:

Focuses on the development and application of advanced concepts in the management of critically ill adults. The course is designed to enhance clinical reasoning, critical thinking, and skill development for nursing students aspiring to work in the emergency department and/or critical care setting. There will also be an emphasis on the nurse's role as an interdisciplinary team member and delivering patient centered care while incorporating clinical guidelines and protocols to ensure professional performance and values within legal and ethical frameworks.

Credit Hours: 3 Prerequisite Courses:

NSG 426 (C or better).

Additional Restrictions/Requirements:

Minimum grade of C or better. Can only be taken in final semester of nursing school.

Course Repeatability: Course may not be repeated. Major Restriction: Nursing

NSG 454 - Genomics and Ethical Considerations

Course Description:

This course will introduce human genomics related to provision of patient and family centered health care across the lifespan. Nurses are in an ideal position to facilitate patients and families to make sense of, respond to, and use the information they receive during the genetic testing experience. This is not a course in basic genetics, rather the focus is on the nurse's role in clinical application of a working knowledge of human genetics. Using ethical principles, students will be encouraged to critically examine the social, legal, cultural, political, and professional implications of the integration of genomics into health care practices.

Credit Hours: 3 Prerequisite Courses:

NSG 319 (C or better).

Additional Restrictions/Requirements:

Minimum grade of C or better.

Course Repeatability: Course may not be repeated. Major Restriction: Nursing

NSG 480 - Transcultural Nursing

Course Description:

Explores values and belief systems influencing health behaviors of culturally diverse groups. Emphasizes cultural, social, political, and economic forces that influence

access to and use of health care resources. Identifies a conceptual basis for assessment, planning, implementation, and evaluation of health care for culturally diverse clients. Fosters cultural sensitivity to life styles, values, and concepts concerning health and health care. The goal of this course is to broaden the student's perception and understanding of health/HEALTH and illness/ILLNESS and the variety of meanings these terms carry for members of differing sociocultural populations.

Credit Hours: 3 Additional Restrictions/Requirements:

Open only to students in RNBSN program.

University Studies: ["Approaches and Perspectives/Living in a Global Society"] Course Repeatability: Course may not be repeated. Additional Course Fees: [""] Equivalent Courses: [""]

NSG 482 - Pathophysiologic and Pharmacological Evidence Based Nursing Care

Course Description:

This theory course builds on basic knowledge of pathophysiology and pharmacology to enhance nursing management of health, wellness, and disease. Analysis of current pharmacological based research will provide the foundation for evidence based nursing practice. Physiological, pathophysiological, and pharmacological concepts that explain the rationale behind treatment decisions are examined.

Credit Hours: 3 Prerequisite or Corequisite Courses:

NSG 316 with a C or better.

Additional Restrictions/Requirements:

Open only to students in the RNBSN program.

University Studies: ["Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

NSG 484 - Professional Nursing Capstone

Course Description:

This course synthesizes information from previous courses and clinical practice to prepare the student for professional practice as a baccalaureate-prepared registered nurse. Emphasis is placed on reflection and concept integration to promote nursing advocacy, leadership, innovation, and evidence-based management of care.

Credit Hours: 3 Prerequisite or Corequisite Courses:

NSG 408 with a C or better.

Prerequisite Courses:

NSG 316 with a C or better and NSG 321 with a C or better and NSG 323 with a C or better and NSG 398 with a C or better and NSG 406 with a C or better and NSG

408 with a C or better and NSG 415 with a C or better and NSG 482 with a C or better.

Additional Restrictions/Requirements:

Open only to students in RNBSN program.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

NSG 487 - Genetics and Genomics in Healthcare

Course Description:

This course will focus on an introduction to emerging knowledge in human molecular genetics and the related implications for health care across the lifespan through multidisciplinary perspectives. Content focuses on the application of genetics to clinical practice, including screening for genetic predisposition, the impact of genetics on health promotion and disease prevention, and the uses of genetically engineered technology and therapies. Students will be encouraged to critically examine the social, legal, cultural, political, and professional implications of the integration of genetics into health care practices.

Credit Hours: 3 Additional Restrictions/Requirements:

Open only to students in the RNBSN program.

Course Repeatability: Course may not be repeated.

NSG 491 - Directed Individual Study

Course Description:

A maximum of six hours may apply toward graduation.

Credit Hours: 1 To 3 Prerequisite Courses: (NSG 330 and NSGL 330 [Inactive]) or (NSG 389 [Inactive] and NSGL 389 [Inactive]) Additional Restrictions/Requirements:

Junior or senior standing, prerequisite courses, overall GPA of at least 2.00; consent of instructor.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

NSG 494 - Undergraduate Nursing Study Abroad II

Course Description:

This course provides School of Nursing advanced undergraduate study abroad opportunities.

Credit Hours: 1 To 6 Additional Restrictions/Requirements:

Instructor approval

Course Repeatability: Course may not be repeated.

NSG 495 - Selected Topics in Nursing

Course Description:

Selected topics in nursing. A maximum of three hours will apply toward graduation.

Lab:

The lab for this course is NSGL 495 .

Credit Hours: 1 To 3 Additional Restrictions/Requirements:

Nursing student with junior or senior standing, and consent of instructor.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 3

NSG 499 - Honors Work in Nursing

Course Description:

Individual study for honors students.

Credit Hours: 2 To 3 Additional Restrictions/Requirements:

Eligibility for honors program at the Departmental major level.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

NSGL 345 - Health Maintenance Needs of Young Children Practicum

Course Description:

Provides students the opportunity to work in a variety of childcare settings with a specific focus on health maintenance of young children and their families. They will practice childcare skills and experience ways in which the dependency needs of children (birth through kindergarten) are managed by staff members in community settings while maintaining a healthy, safe environment. This course is designed for non-nursing majors.

Credit Hours: 1 Course Repeatability: Course may not be repeated.

NSGL 495 - Selected Topics in Clinical Nursing

Course Description:

Selected topics in clinical nursing. A maximum of three hours will apply toward graduation.

Lab:

This course is the lab for NSG 495 .

Credit Hours: 1 To 3 Additional Restrictions/Requirements:

Junior or senior standing and major, and consent of instructor.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 3

OCN 150 - Introduction to Oceanography

Course Description:

An introduction to the geology, physics, chemistry, and biology of the ocean; instruments and techniques of oceanography; resources of the ocean.

Lab:

The lab for this course is OCNL 150 .
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Scientific Approaches to the Natural World"] Course Repeatability: Course may not be repeated.

OCN 250 - Coasts and Society

Course Description:

Variability of coastal landforms, the processes that shape them, problems brought about by natural and anthropogenic changes, and the role of culturally-based perceptions on valuation and management of coastal systems. Focus on coastal environments of populated continents and island nations including barrier islands, rocky coasts, dunes, estuaries, marshes and deltas.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Scientific Approaches to the Natural World", "Approaches and Perspectives/Living in a Global Society", "Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

OCN 291 - Introductory Research in Oceanography

Course Description:

Laboratory and computational research under faculty supervision beyond what is offered in existing courses.
Credit Hours: 1 To 3 Additional Restrictions/Requirements:

Freshman or sophomore standing, and consent of instructor and department chair.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 3

OCN 350 - Advanced Oceanography

Course Description:

An in-depth examination of the structure and formation of ocean basins, the role of oceans in the hydrological cycle, the physical properties of seawater, atmospheric and ocean circulation, waves, and tides. Emphasis on data analysis and quantitative problem solving.
Credit Hours: 3 Prerequisite Courses:

OCN 150

University Studies: ["Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

OCN 365 - Written Communication in Oceanography

Course Description:

Development of written scientific communication skills for topics related to the oceanography discipline.
Credit Hours: 2 University Studies: ["Building Competencies/Information Literacy", "Building Competencies/Writing Intensive", "Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated. Major Restriction: Geography and Geospatial

Science, Geosciences, Geology, Oceanography

OCN 390 - Field Methods in Oceanography

Course Description:

Applied study of ocean materials and processes in field settings. Introduction to methods and techniques used in geosciences, with emphasis on coastal and marine environments, including field measurement, sample retrieval, and data analysis. Colloquium and required field trips (with associated costs).

Credit Hours: 2 Prerequisite Courses:

OCN 150

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

University Studies: ["Building Competencies/Information Literacy", "Critical Reasoning", "Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Repeat Limit: 2 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:

Additional Course Fee Schedule

OCN 395 - Oral Communication in Oceanography

Course Description:

Development of oral presentation skills for topics related to the oceanography discipline.

Credit Hours: 1 Prerequisite or Corequisite Courses:

GGY 365 or GLY 365 or OCN 365

Course Repeatability: Course may not be repeated.

OCN 451 - Coastal Wetlands

Course Description:

Analysis of types of coastal wetlands and their evolution. Discussion of physical, chemical, geological, and biological processes controlling development and maintenance of these systems in response to natural and anthropogenic forcing factors.

Credit Hours: 3 Prerequisite Courses:

OCN 350

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated.

OCN 453 - Seafloor Mapping

Course Description:

Survey of different methods used to map the seafloor and sub-seafloor, including

multibeam sonar, sidescan sonar, seismic reflection, and satellite altimetry. Operation of instruments, survey strategies, and techniques to process and interpret data will be explored. Three lecture and three laboratory hours per week. Shipboard field trip is required.

Credit Hours: 4 Prerequisite Courses:

One of OCN 150 , GLY 101 , GLY 120 , GLY 125 , GGY 130 , or EVS 195 .

Crosslisting:

GLY 551 .

Course Repeatability: Course may not be repeated.

OCN 456 - Nearshore Processes

Course Description:

This class focuses on understanding the physical processes that dominate nearshore coastal environments including tidal fluctuations, wave propagation and dissipation, cross-shore and longshore currents, and surf zone sediment transport.

Credit Hours: 3 Prerequisite Courses:

OCN 150 .

Course Repeatability: Course may not be repeated.

OCN 458 - Introduction to Coastal Management

Course Description:

Interdisciplinary study of human impact on coastal environments and organisms. Topics include the physical and biotic settings of worldwide coastal regions, principles of coastal management, current topics in coastal management, and analysis of potential solutions to coastal problems.

Credit Hours: 4 Additional Restrictions/Requirements:

Junior or senior standing or consent of instructor.

Course Repeatability: Course may not be repeated.

OCN 470 - Ocean Observing Systems

Course Description:

Examination of the U.S. Integrated Ocean Observing System. U.S. IOOS is an organization of systems that routinely and continuously provides quality controlled data and information on current and future states of the oceans and Great Lakes from the global scale of ocean basins to local scales of coastal ecosystems. This course explores the technology, data management practices, governance structures, and stakeholder engagement that enables IOOS to help decision makers address seven societal goals.

Credit Hours: 1 To 6 Prerequisite Courses:

Prerequisite or corequisite: OCN 350 .
Additional Restrictions/Requirements:
Junior or senior Oceanography major status or consent of instructor.
Course Repeatability: Course may not be repeated. Major Restriction: Oceanography

OCN 471 - Oceanographic Cruise Techniques

Course Description:
Data collection and sampling techniques on a research vessel. Introduction to equipment methods and techniques used in oceanography including CTD casts, sidescan sonar operation and data analysis, and sediment coring via participation in two half-day cruises led by UNCW oceanography faculty members.
Credit Hours: 1 Prerequisite Courses:
OCN 350 or OCN 390
Additional Restrictions/Requirements:
Prerequisite courses or consent of instructor.
University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated.

OCN 474 - Ocean Acidification

Course Description: Exploration of the dynamic nature of our oceans, including the causes and impacts of ocean acidification on marine life and biogeochemical cycles today, and throughout Earth's history. Lectures, interactive group tasks, and student-driven dialogues on this critical environmental issue. Credit Hours: 3 Prerequisite Courses: OCN 150 or CHM 101 or GLY 101 or GLY 120 or permission from instructor. Course Repeatability: Course may not be repeated.

OCN 475 - Marine Biogeochemistry

Course Description:
A geochemical perspective on the chemistry of the world's oceans with an emphasis on carbon cycling through the marine geosphere and biosphere. Topics include introductions to chemical oceanography, stable isotope geochemistry, paleoceanography, and investigations into the role of the oceans in the global carbon cycle through time.
Credit Hours: 3 Prerequisite Courses:
CHM 101 and CHML 101 ; and CHM 102 and CHML 102 .
Additional Restrictions/Requirements:
Prerequisite courses or consent of instructor.
Crosslisting:
GLY 575 .
Course Repeatability: Course may not be repeated.

OCN 476 - Marine Pollution

Course Description:

Overview of current topics in marine pollution with discussion on the geochemical aspects of the sources, transport, and fate of pollutants as well as impacts to biota in the marine environment. Laboratory stresses application of concepts learned in lecture. Three lecture three laboratory hours each week.

Credit Hours: 4 Prerequisite Courses:

(OCN 150 or GLY 101) and OCN 365 , or consent of instructor.

University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

OCN 479 - Smart Coasts

Course Description:

Advanced design and analysis of Smart Coastal monitoring systems and datasets. Study and application of the techniques used to observe coastal dynamics in near real time and provide not just data but also distilled information for research, operational, and educational uses.

Credit Hours: 2 Prerequisite Courses:

OCN 350.

Course Repeatability: Course may not be repeated.

OCN 480 - Advanced Topics in Oceanography

Course Description:

Study of selected topics in oceanography that are not considered in detail in regular course offerings.

Credit Hours: 1 To 4 Additional Restrictions/Requirements:

Oceanography major, junior or senior standing and major and consent of instructor.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 7

OCN 485 - Relative Sea Level

Course Description:

Understanding relative sea level, sea-level fingerprints, and sea-level change to identify records of past coastal change, coastal dynamics, and coastal vulnerability at different timescales.

Credit Hours: 3 Prerequisite Courses:

OCN 150 , OCN 250 , or GLYL 101

Course Repeatability: Course may not be repeated.

OCN 490 - Oceanography Capstone

Course Description:

Integration of principles, theories, and methods of oceanography. Students select a

topic, problem, or question and design a hands-on field and/or laboratory research project. Written and oral reports and group discussions of research findings; meets the applied learning requirement.

Credit Hours: 3 Additional Restrictions/Requirements:

Senior standing, completion of other core requirements and at least 15 hours of electives toward the major.

University Studies: ["Building Competencies/Writing Intensive", "Building Competencies/Information Literacy", "Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated.

OCN 491 - Directed Individual Study

Course Description:

Involves investigation under faculty supervision beyond what is offered in existing courses. For further information consult the

Depending on their interests and abilities, UNCW students may choose from several kinds of special courses and programs to individualize and otherwise enrich their studies.

- This course, designated as 491 in each department, involves investigation beyond what is offered in existing courses. To enroll in a Directed Individual Study, students must be a junior or senior. Additionally, students must have an overall grade point average of at least 2.00 and the approval of (1) the faculty member who will direct the study, (2) the departmental chairperson, and (3) the appropriate dean. Departmental criteria will include (1) the availability of the instructor (instructors may only supervise a limited number of independent studies each semester), (2) the appropriateness of and need for the proposed study in the student's program, (3) the availability of library and other research resources, and (4) the feasibility of completion of the proposed study in the allotted time. Students are limited to nine credit hours of Directed Individual Study toward graduation requirements.

- Several departments within the College of Humanities, Social Sciences, and the Arts and the professional schools offer field experience courses as part of their semester or summer programs. Participating students conduct individual or group research under faculty guidance at selected areas within and outside the continental United States. Apart from the greater Wilmington area, field experience courses have been conducted in such places as the Florida Keys, Barbados, the Bahamas, Portugal, and parts of Central and South America.

- Raymond L. Burt, *coordinator*
  The German Studies Consortium links participating UNC institutions to facilitate the sharing of teaching and learning resources to enhance German Studies across The University of North Carolina system. This consortium offers a broad array of German Studies courses in the language, literature, and culture of the German-speaking countries taught by specialists in the field. The primary focus is on the sharing of upper-level German classes offered each semester on the North Carolina Information Superhighway. Participant universities include Appalachian State University, East Carolina University, North Carolina State University, the University of North Carolina at Asheville, the University of North Carolina at Charlotte, the University of North Carolina at Greensboro, University of North Carolina Wilmington, and Western Carolina University. For course details, visit the UNC Online Exchange.

- Regina Felix, *coordinator*
  The Portuguese Exhange links participating UNC institutions to facilitate the sharing of teaching and learning resources to enhance Portuguese language and Portugurese and Brazilian Studies across the University of North Carolina system. This exchange offers courses in the language, literature, and culture of the Portuguese-speaking countries taught by specialists in the field. Participant universities include Appalachian State University, North Carolina State University, the University of North Carolina Asheville, the University of North Carolina at Chapel Hill, the Unversity of North Carolina at Charlotte, the University of North Carolina Wilmington, and Winston Salem State University. For course details, visit the UNC Online Exchange.

- Dave Graber, *coordinator*
  The Russian Studies Consortium links participating UNC institutions to facilitate the sharing of teaching and learning resources to enhance Russian Studies across The University of North Carolina system. This consortium offers a broad array of Russian Studies courses in the language, literature, history, film, society, and culture in the Russian-speaking countries, which can be taught in the target language and/or in translation by specialists with credentials in Russian Studies.

The primary goal focuses on the sharing of elementary, intermediate, and upper level Russian Studies classes offered each semester as well as summer session courses on the North Carolina Information Superhighway and/or fully online. Participant universities include Appalachian State University, East Carolina University, North Carolina State University, The University of North Carolina at Charlotte, The University of North Carolina at Greensboro, and The University of North Carolina Wilmington. Courses are offered through the UNC Online Exchange.

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Raymond L. Burt, UNCW *coordinator*
The UNC Language Assembly is a cooperative of the language departments of all 17 campuses of the UNC System, and serves the UNC System and the State of North Carolina by supporting the foreign language programs at the constituent institutions and by seeking to offer a wide diversity of foreign language choices to the students at all the UNC campuses. Students are not required to pay tuition at the other campus, since UNCW tuition applies to these courses as well. Courses are taught online or through videoconference technology. Students can directly enroll in language classes offered by campuses through the UNC Online Exchange.

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https://uncw.edu/myuncw/academics/graduate-school/forms

Graduate Courses Taken for Undergraduate Credit

Graduate courses at UNCW or other accredited institutions may be used to fulfill undergraduate requirements if approved by the course instructor, student's department chair, undergraduate dean, and the dean of the Graduate School. All other transfer credit policies apply. Permission forms may be obtained on the Graduate School forms page under the "Undergraduate Registration for Graduate Courses" section at https://uncw.edu/myuncw/academics/graduate-school/forms.

Graduate Course Taken as an Undergraduate to Later Apply to a Graduate Degree

Undergraduate students who wish to take graduate courses and later receive graduate credit for them must fill out a Docusign to obtain permission in advance from the course instructor, student's department chair and undergraduate dean, and the Graduate School for approval. Graduate courses taken under this provision may not be used to fulfill undergraduate degree requirements. Permission forms may be obtained on the Graduate School form page under the "Undergraduate Registration for Graduate Courses"
section https://uncw.edu/myuncw/academics/graduate-school/forms.

Credit for Approved Combined Degree Programs

Graduate courses used to fulfill an undergraduate degree requirement at UNCW may be applied to a graduate degree only when taken as part of an approved combined degree program. Courses applied toward an awarded degree may not be applied to a second degree except as described by specific degree programs.

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https://www.uncw.edu/global/
The Office of Global Partnerships and International Education is comprised of three units: Education Abroad, English Language Center, and the Office of International Students & Scholars.

Education Abroad

UNCW offers more than 800 education abroad opportunities in more than 50 countries. Options available include coursework taken abroad, international internships for academic credit, credit-bearing service-learning experiences, academic research, and virtual global learning opportunities. UNCW provides education abroad opportunities to suit nearly every major and credit earned through international programs may be applied towards a UNCW degree. Financial aid may be used in conjunction with education abroad programs and scholarships are available. Students may select from short-term and summer programs, as well as semester, year-long and two-year dual degree options.

All applications for any credit-bearing program abroad must be made through the Office of Global Partnerships and International Education.

UNCW students who study abroad retain their active UNCW student status and will not have to re-enroll upon return.

Eligibility requirements include:

- 18 years of age at the time of participation
- Good disciplinary standing
- 2.5+ cumulative grade point average
- Sophomore+ status (select programs are open to first-year students)
- Any program-specific requirements
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Several programs in the College of Humanities, Social Sciences, and the Arts, College of Science and Engineering, College of Education, College of Health and Human Services, and the Cameron School of Business offer students the opportunity to earn academic credit within a work environment external to the program. The purpose of the internship experience is to enhance, supplement, and integrate the learning that occurs in formal classroom settings. Permission of the dean and program offering the internship is required to enroll, and the program places limits on the number of credit hours earned applicable toward graduation. Internships designated by a 498 number will be graded on a Pass (P), Fail (F) basis. These credit hours earned will count towards the number of hours required to graduate, but the grade of Pass (P) will be excluded from the computation of the GPA. For further information on internships, refer to the courses numbered 498 in the course listings and then contact the departments offering them.

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The North Carolina Child Welfare Education Collaborative is a university-agency partnership that ensures a quality work force in child welfare settings. The educational goal of this program is to directly address the workforce need for social workers in child welfare settings. Administered by the Jordan Institute for Families, the collaborative includes North Carolina social work education programs, the NC Division of Social Services, the NC Association of County Directors of Social Services and the NC Chapter of the National Association of Social Workers. Educating, training, and supporting current and future social workers in child welfare meets the goal of strengthening families and protecting children. The collaborative offers focused educational courses, training and field experience in child welfare agencies. Participating universities include Appalachian State University, University of North Carolina at Chapel Hill, East Carolina University, North Carolina State University, Joint Masters of Social Work Program at University of North Carolina at Greensboro and North Carolina Agricultural and Technical State University, and University of North Carolina Wilmington.

- The Reverse Transfer Program is a collaborative effort between North Carolina's Community Colleges and the University of North Carolina's 16 constituent institutions. Students who transfer to UNC Wilmington from one of the 58 North Carolina community colleges are given the opportunity to combine the credits earned at UNCW with credit already earned at the community college to determine if the associate degree requirements have been met. Students have the opportunity to opt-in to this program at the time of admission as a transfer student. There is no cost to participate. For more information, contact the Office of the Registrar.
  Eligibility: Students must have earned at least 16 college-level credit hours at one community college applicable towards their degree, to be eligible to participate. After earning a total of 60 combined credits, the student's UNCW records will be sent back to their previous community college for evaluation. The community college will contact students via their UNCW email, with further details, if the Associate degree is awarded.

- Several UNCW courses employ service-learning opportunities. Service learning is an innovative method of teaching and learning that combines thoughtfully organized service to the community with other means of instruction. Community service-

projects are integrated into and enhance the academic curriculum of students, fitting naturally into the philosophy and pedagogy of a variety of disciplines and fostering civic responsibility. Both students and the community benefit from service learning. Service-learning courses have several strengths, not the least of which is that they are adaptable to the needs of the community while providing structured time for the students to reflect on the service experience.

section of the catalogue. A maximum of 6 hours may be applied to the major.
Credit Hours: 1 To 3 Additional Restrictions/Requirements:
Junior or senior standing, overall GPA of 2.0, and consent of instructor, department chair, and dean.
University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

OCN 494 - International Field Experience in Oceanography

Course Description:
Students will gain a deep understanding of diverse oceanographic environments, field methods, and research investigations in international settings. This class may include lectures and readings, faculty-led field trips, and applied learning or research projects.
Credit Hours: 1-6 Prerequisite Courses:
Consent of instructor.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

OCN 498 - Internship in Oceanography

Course Description:
Practical training experience with agency or business conducting geoscience and oceanographic services. Jointly evaluated by oceanography faculty member and on-site supervisor. May be repeated for maximum of 6 hours.
Credit Hours: 1 To 6 Additional Restrictions/Requirements:
Junior or Senior standing with a minimum GPA 2.5 overall and consent of instructor.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

OCN 499 - Honors Work in Oceanography

Course Description:
Individual study for honors students.
Credit Hours: 2 To 3 Additional Restrictions/Requirements:
Eligibility for honors program and recommendation of department chair.
University Studies: ["Building Competencies/Writing Intensive", "Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link: Additional Course Fee Schedule

OCNL 150 - Introduction to Oceanography Laboratory

Course Description:

A hands-on, experiential introduction to the study of the oceans including geological, biological, chemical, and physical aspects. Instruments and techniques of oceanography, marine resources, and human interaction with the oceans will also be explored. Multiple required field trips.

Lab:

This course is the lab for OCN 150 .

Credit Hours: 1 Prerequisite Courses:

Prerequisite or corequisite: OCN 150 .

University Studies: ["Approaches and Perspectives/Scientific Approaches to the Natural World"] Course Repeatability: Course may not be repeated.

PAR 101 - The Big Questions: Introduction to Philosophy

Course Description:

Introduction to various philosophers and philosophical problems from historical, critical, and other perspectives. Addresses the big questions of human existence, such as: What is right and wrong? Does God exist? How do we know anything about the world around us? Students learn what a philosophical question is and discover just how pervasive philosophical assumptions are in life.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Historical and Philosophical Approaches", "Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated.

PAR 103 - Exploring Religions

Course Description:

Introduction to the academic study of religion. Explores the many diverse religions practiced around the world and the ways practitioners construct religious experiences through scriptures, art, gender, race, and community.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Historical and Philosophical Approaches"] Course Repeatability: Course may not be repeated.

PAR 105 - Critical Reasoning With Artificial Intelligence

Course Description:

Introduction to the principles of proper reasoning through the use of generative AI. Exploration of how to assess the reasoning of AI and how to use AI to improve one's own argumentation. Study of the contrast between good and bad forms of reasoning

as manifested by both humans and AI.
University Studies: ["Critical Reasoning"] Course Repeatability: Course may not be repeated.

PAR 110 - Introduction to Logic

Course Description:

Introduction to the principles of logic including the rules of deduction, the categorical syllogism, induction, and fallacies. Initiation in computer logic programs.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

PAR 115 - Introduction to Ethics

Course Description:

An introduction to fundamental principles, theories, and problems in ethics.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Historical and Philosophical Approaches", "Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated.

PAR 125 - Scriptures of the World's Religions

Course Description:

Introduction to the history and composition of scriptures of the world's religions from oral stories to words, images, objects, books, performances, sounds, and texts. Examines how scriptures in major Eastern and Western religions have constructed historical, political, social, and cultural realities through various forms of art from antiquity to today.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives", "Approaches and Perspectives/Historical and Philosophical Approaches", "Approaches and Perspectives/Living in a Global Society"] Course Repeatability: Course may not be repeated.

PAR 141 - Research Tools for Historical and Textual Criticism--Greek

Course Description:

Basic study of the Greek language with special attention to that of the New Testament.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

PAR 142 - Intermediate Greek

Course Description:

Continued study of the Greek language with attention to texts from the Hellenistic world.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

PAR 201 - History of Western Philosophy I

Course Description:

A survey of Western philosophical thought in ancient and medieval times. Emphasis on the Greek origins of the philosophical tradition. Readings from the Pre-Socratics, Plato, Aristotle, Roman philosophy and such Christian thinkers as Augustine and Thomas Aquinas.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Historical and Philosophical Approaches", "Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated.

PAR 202 - Modern Philosophy: Descartes to Kant

Course Description:

Introduction to the major topics of Western philosophy during the modern period, including skepticism, the existence of God, and the source of our ideas. Analysis of the thought of philosophers such as Descartes, Elizabeth of Bohemia, Locke, Berkeley, Leibniz, Hume, and Kant.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Historical and Philosophical Approaches", "Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated.

PAR 205 - American Philosophy

Course Description:

A survey of American philosophical thought from colonial times to the present. Readings from such American thinkers as Jonathan Edwards, the Federalist authors, Thoreau, James, Dewey and Quine.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Historical and Philosophical Approaches", "Approaches and Perspectives/Living in Our Diverse Nation"] Course Repeatability: Course may not be repeated.

PAR 211 - Philosophy of Human Nature

Course Description:

A survey and evaluation of past and present theories of human nature; to include such topics as nature and culture, freedom and rationality, issues in gender identity, and theories of education and human development.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Historical and Philosophical Approaches", "Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated.

PAR 213 - Existentialism

Course Description:

An introduction to major themes in existential thought such as freedom, authenticity, death of God, the meaning of life. Primary source readings from existential authors,

e.g., Kierkegaard, Nietzsche, Heidegger, Sartre, Marcel.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Historical and Philosophical Approaches"] Course Repeatability: Course may not be repeated.

PAR 215 - Medical Ethics: Life and Death Decisions in Health Care

Course Description:

Examination of the principles and problems in the application of ethical theory to medical research and practice.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Historical and Philosophical Approaches"] Course Repeatability: Course may not be repeated.

PAR 220 - Race and Social Justice

Course Description:

Introduction to philosophical issues in race and social justice. Topics include race and identity, discrimination, multiculturalism, affirmative action, anti-racism.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in Our Diverse Nation", "Approaches and Perspectives/Historical and Philosophical Approaches"] Course Repeatability: Course may not be repeated.

PAR 221 - Mindfulness and Racial Justice

Course Description:

Introduction to mindfulness and its application to racial justice issues and efforts. Explores mindfulness as a contemplative practice and discusses its similarities and differences with religious contemplative practices of meditation, prayer, silence, and stillness. Adopts an intersectional approach that considers interlocking systems of oppression in the United States.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Historical and Philosophical Approaches/Living in a Diverse Nation", "Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated.

PAR 222 - The Contemplative Life

Course Description:

Examination of the contemplative life in global philosophical and religious traditions from past and present, including Buddhism, Christianity, Daoism, Hinduism and Stoicism. Discusses the goals and methods of contemplative practice and includes experiential learning opportunities to explore contemplation beyond the classroom throughout the semester.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Historical and Philosophical Approaches", "Approaches and Perspectives/Living in a Global Society", "Explorations Beyond the

Classroom"] Course Repeatability: Course may not be repeated.

PAR 225 - Religion and Gender

Course Description:

Introduction to the study of gender in religious studies. Examines how constructions of gender have influenced the practice of religion and definitions of agency, power, and liberation among religious people. Topics vary.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Historical and Philosophical Approaches", "Approaches and Perspectives/Living in Our Diverse Nation", "Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

PAR 230 - Judaism, Christianity, and Islam

Course Description:

Survey of the history of Judaism, Christianity, and Islam from their origins in the Middle East over 3,500 years ago to their diverse practices, scriptures, art, and communities around the world today.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Historical and Philosophical Approaches", "Approaches and Perspectives/Living in a Global Society", "Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

PAR 232 - Asian Religions

Course Description:

A survey of Hinduism, Buddhism, Taoism, and Confucianism; historical aspects, basic insights, contemporary relevance.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Historical and Philosophical Approaches", "Approaches and Perspectives/Living in a Global Society"] Course Repeatability: Course may not be repeated.

PAR 233 - African Religions

Course Description:

Religions of Africa, including traditional and non-traditional religious systems, and their impact on African societies and Africanism in the Americas.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Historical and Philosophical Approaches", "Approaches and Perspectives/Living in a Global Society"] Course Repeatability: Course may not be repeated.

PAR 235 - Introduction to the Old Testament

Course Description:

Historical study of the Hebrew Scriptures and their cultural background; focus on the values, problems, and perceptions of the human condition reflected in these texts and archaeological data related to them.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Historical and Philosophical

Approaches", "Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

PAR 236 - Introduction to the New Testament

Course Description:

Historical survey of the canonical Christian literature; illustration of contemporary methods of text-criticism, literary-criticism, form-criticism, and redaction-criticism; focus on results of modern scholarship in appreciating the Gospels and their function in the early Christian community.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Historical and Philosophical Approaches"] Course Repeatability: Course may not be repeated.

PAR 240 - Religion, Race, and Social Justice

Course Description:

Exploration of race and racism in the United States through theoretical, historical, political and religious constructions during slavery, colonialism, and Jim-Crowism. Examination of white supremacy, anti-Black oppression, the resistance to racism, and impacts on contemporary social life.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in a Diverse Nation"] Course Repeatability: Course may not be repeated.

PAR 242 - Religion in America

Course Description:

Study of religion in American history from the colonial era to the present-day United States. Examines the religious practices of Native Americans, Protestants, Catholics, Jews, Muslims, and others by interrogating the relationships between religion, material culture, race, gender, and politics.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Historical and Philosophical Approaches", "Approaches and Perspectives/Living in Our Diverse Nation", "Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

PAR 245 - Political Theology & Race: Religious Racism and Religious Anti-Racism

Course Description:

Study of political theology, with a focus on race. Complex exploration into the ways of religion and politics in the West and the reimagined conceptions of religion and politics found in alternative/otherwise imaginaries of Black (religious) experience.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in Our Diverse Nation"] Course Repeatability: Course may not be repeated.

PAR 255 - The Bible in America

Course Description:

Exploration of textual and material interpretations of the Bible in Black and White Christian communities in the United States. Consideration of slavery and the Civil War; the Civil Rights Movement; the Bible as song, performance, and object; and the Bible's role in constructing gender, race, and politics in American life.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in a Diverse Nation"] Course Repeatability: Course may not be repeated.

PAR 265 - Philosophy and Film

Course Description:

Examines the relationships between philosophical inquiry and motion pictures, including how philosophical ideas have influenced film as well as the use of film as a medium for expressing and analyzing philosophical issues. Readings include great works of philosophy from ancient, modern, and contemporary times.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

PAR 300 - Philosophical Writing

Course Description:

Instruction in a variety of philosophical writing styles and strategies used to communicate philosophical concepts, including but not limited to: use of primary and secondary sources, style in scholarly essays; literary devices such as analogies and metaphors; argument and construction and refutation; methods of inquiry.

Credit Hours: 3 Prerequisite Courses:

PAR 101

University Studies: ["Building Competencies/Information Literacy", "Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

PAR 301 - Methods in Religious Studies

Course Description:

Examination of the relation of religion to social and psychological forces, including feminist and post-modern approaches to religion, and issues related to globalization. Topics include addressing the academic study of religion as an enterprise occurring in specific moments of modern intellectual history, and examining ongoing conceptual developments in the field.

Credit Hours: 3 Prerequisite Courses:

PAR 103 or PAR 125

University Studies: ["Building Competencies/Writing Intensive", "Building Competencies/Information Literacy", "Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated.

PAR 302 - Plato

Course Description:

Study of the Dialogues of Plato. Analysis of texts; contemporary interpretations.

Credit Hours: 3 Prerequisite Courses:

PAR 101 or PAR 201

Additional Restrictions/Requirements:

Prerequisite courses or consent of instructor.

Course Repeatability: Course may not be repeated.

PAR 303 - Aristotle

Course Description:

An examination of Aristotle's philosophy through selected texts, supplemented with contemporary criticisms. Aristotle's criticisms of Plato; problems of interpretation.

Credit Hours: 3 Prerequisite Courses:

PAR 101 or PAR 201

Course Repeatability: Course may not be repeated.

PAR 304 - American Islam

Course Description:

Survey of the history of American Islam from colonial America to the present day United States by examining the Qur'an's influence on religious freedom in the nation's founding documents, the religious practices of Muslims enslaved in antebellum America, the relationships between the Nation of Islam and the Civil Rights Movement, and Muslim women's choice to wear (and not wear) hijab.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in a Diverse Nation"]

Course Repeatability: Course may not be repeated.

PAR 305 - Black Religions Along the Cape Fear

Course Description:

Survey of Black religions in and around the Cape Fear region from the 1800s to today. Explores how Black Americans have practiced Christianity, Islam, Conjure, Gullah-Geechee culture, and other traditions using images, objects, texts, memories, and stories to enact individual, communal, religious and political autonomy.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in Our Diverse Nation"]

Course Repeatability: Course may not be repeated.

PAR 307 - Memoirs of Black Religion: Life-Narratives as Religious Sources

Course Description:

Study of memoirs and autobiographical texts by Black people from slavery through

the twenty-first century, focusing on the intersection of religion and race. Complex exploration into the ways of religion and spirituality in the history of Black communities in America, and their otherwise imaginaries of spiritual transformation, self-making, becoming, maturing, belonging, resisting, liberating, and dreaming.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in Our Diverse Nation"]
Course Repeatability: Course may not be repeated.

PAR 310 - Legal Philosophy and Jurisprudence

Course Description:

An introduction to the nature, concept and sources of law and the various schools of jurisprudence. Topics treated include: natural law; historical, analytical and sociological jurisprudence; idealism, utilitarianism and legal realism; equity, justice, precedent, custom and law, and the relation of law and morality.
Credit Hours: 3 Additional Restrictions/Requirements:

Junior or senior standing or consent of instructor.
Crosslisting:

PLS 310
Course Repeatability: Course may not be repeated.

PAR 312 - Ethics of Artificial Intelligence

Course Description:

Introduction to major topics in the ethics of artificial intelligence, including the proper role of AI in moral decision-making, the potential for AI to have moral status, the relevance of AI to issues of academic integrity, and the potential for AI to engage in racial discrimination.
Course Repeatability: Course may not be repeated.

PAR 313 - Justice, Rights, and the Common Good: Philosophical Perspectives on Socio-Political Issues

Course Description:

Exploration of philosophical issues and concepts central to an understanding of social and political life, for example function and cause, justice, liberty, equality, societal facts and laws, utopias, reason and political argument, political obligation, and the public interest.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in Our Diverse Nation", "Critical Reasoning", "Approaches and Perspectives/Historical and Philosophical Approaches"]
Course Repeatability: Course may not be repeated.

PAR 315 - Media Ethics

Course Description:

An examination of ethical issues in the media, including print and broadcast journalism, advertising, public relations, and the entertainment media.
Credit Hours: 3 Prerequisite Courses:
PAR 101 or PAR 115
Additional Restrictions/Requirements:
Prerequisite courses or consent of instructor.
Course Repeatability: Course may not be repeated.

PAR 316 - PAR 316 - Philosophy of Art - Smithson

Course Description:
Introduction to major topics from aesthetics and the philosophy of art, including the objectivity/subjectivity of beauty, the political significance of art, and art's relevance to authenticity, self-expression, and moral education.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives"] Course Repeatability: Course may not be repeated.

PAR 317 - Epistemology

Course Description:
Fundamental issues in theory of knowledge: nature of knowledge; reasoning, judgment; truth, certainty and probability.
Credit Hours: 3 Prerequisite Courses:
PAR 101 or (PAR 201 and PAR 202)
Course Repeatability: Course may not be repeated.

PAR 318 - Metaphysics

Course Description:
Fundamental issues and positions concerning the nature of reality: theories of being, substance, causality.
Credit Hours: 3 Prerequisite Courses:
PAR 101 or (PAR 201 and PAR 202)
Course Repeatability: Course may not be repeated.

PAR 319 - Symbolic Logic

Course Description:
Detailed study of first-order logic (propositional logic and predicate logic), including relational predicate logic. Both semantic methods and syntactic methods are featured. At least one additional advanced topic will be addressed: identity and definite descriptions, meta-theory, the proof tree approach, the axiomatic approach, etc.
Credit Hours: 3 Prerequisite Courses:

PAR 110 or consent of instructor.
Course Repeatability: Course may not be repeated.

PAR 320 - Philosophy of Mind

Course Description:
Selected readings drawn from classical and/or contemporary sources bearing on problems of the self, such as the issue of personal identity and the concept of a person, the problem of the relation of mind and body and the question of the nature of consciousness.
Credit Hours: 3 Prerequisite Courses:
PAR 101
Additional Restrictions/Requirements:
Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

PAR 322 - Ritual Therapy and Health in Caribbean Religions

Course Description:
Explores the Caribbean religious understandings of health and healing, ethnomedical and ritual therapeutics, and other metaphysical healing techniques and spaces, including *Ebo* healing of *Ifa* divination, *Palo and Santeria (Lukumi)* Botanicas. Familiarizes students with the different health and healing approaches, techniques, and spaces in the Caribbean communities.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in a Global Society"]
Course Repeatability: Course may not be repeated.

PAR 325 - Prophetic Fire & Martin Luther King, Jr.: Spiritual Formation and Political Theological Vision

Course Description:
Study of the life and thought of Martin Luther King, Jr., with complex exploration into the prophetic scope of his spiritual formation and political theological vision. As a Baptist pastor and more King has been an iconic figure in modern American history, one whose influence reaches well beyond America.
Course Repeatability: Course may not be repeated.

PAR 330 - Religion and the Civil Rights Movement

Course Description:
Study of religion in the long history of the Civil Rights Movement in the United States. Examines the practices, writings, thoughts, and actions of American Protestants, Catholics, Jews, Muslims, and others regarding Black Americans' fight for civil rights, as well as racism, anti-racism, gender, and politics in American life surrounding the movement.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in a Diverse Nation"]
Course Repeatability: Course may not be repeated.

PAR 334 - Hebrew Bible/Old Testament Literature

Course Description:

Analysis and interpretation of a particular part of the Hebrew Scriptures. Topics will vary from one course offering to another. (The Torah; the Prophets; the Writings).

Credit Hours: 3 Course Repeatability: Course may not be repeated.

PAR 335 - Philosophy of Language

Course Description:

Fundamental Issues in the nature and meaning of language: concepts of truth, meaning, reference, metaphor, interpretation, and speech acts.

Credit Hours: 3 Prerequisite Courses:

PAR 101

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated.

PAR 336 - New Testament Literature

Course Description:

Analysis and interpretation of a particular part of the New Testament. Topics will vary from one course offering to another. (The Gospels; the Acts of the Apostles; the Johannine works; the Letters of Paul).

Credit Hours: 3 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 21

PAR 337 - Apocrypha and Pseudepigrapha

Course Description:

Analysis of the major Jewish and Christian writings related to but excluded from the Bible, including histories, apocalypses, testaments, prayers, moral tales, and wisdom books.

Credit Hours: 3 Prerequisite Courses:

PAR 235 or PAR 236

Course Repeatability: Course may not be repeated.

PAR 338 - Greek Biblical Uncial

Course Description:

Acquire practical knowledge of Greek biblical uncial in papyrology. Examine, transcribe, and paleographically date important early Christian papyri.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

PAR 340 - Philosophy of Religion

Course Description:

Examination of the basic problems found in Western philosophy concerning religion,

including efforts to prove the existence of God, the role of faith and reason, the problem of evil, immortality, religious experience, religious language, and religious pluralism.

Credit Hours: 3 Prerequisite Courses:

PAR 101 and PAR 103

Course Repeatability: Course may not be repeated.

PAR 343 - Atheism and Unbelief

Course Description:

Survey of beliefs, assumptions, and arguments of atheism and other varieties of unbelief. Examines major atheistic explanations for the phenomenon of religion, and atheism and unbelief within Eastern and Western religions.

Credit Hours: 3 Prerequisite Courses:

PAR 101 or PAR 103

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated.

PAR 344 - Religion and Popular Culture

Course Description:

Examination of the connections between religion and popular texts, films and practices in modern Western society.

Credit Hours: 3 Prerequisite Courses:

PAR 103 or PAR 125

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated.

PAR 345 - Philosophy of Science

Course Description:

Introduce students to major topics from the philosophy of science, including the nature of scientific explanations, the role of natural laws within scientific practice, the methods for revising scientific theories, and the proper interpretation of physical theories like relativity and quantum mechanics.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

PAR 350 - Native American Religions

Course Description:

Study of Native American Religions before and after Euro-American colonization by focusing on the importance of land, spirits, stories, rituals, and objects, as well as

indigenous responses to Christianity, new religious movements, politics, and gender. Introduces students to the study of Native American Religions using a material culture research method.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in a Diverse Nation"]
Course Repeatability: Course may not be repeated.

PAR 351 - Religion in Early America

Course Description:
Examination of the role and significance of religion in early American culture and society. Topics include contact between Native American and Euro-American religious traditions, Puritanism, First Great Awakening, religion in the revolutionary era, separation of church and state.
Credit Hours: 3 Prerequisite Courses:
PAR 242 or HST 105
Crosslisting:
HST 351
Course Repeatability: Course may not be repeated.

PAR 352 - Religion in Antebellum America

Course Description:
The influences and meanings of religion in antebellum American society. Topics include Second Great Awakening, expansion of Protestant and Catholic churches, communitarian movements, religious responses to slavery.
Credit Hours: 3 Prerequisite Courses:
PAR 242 or HST 105
Additional Restrictions/Requirements:
Prerequisite course or consent of instructor.
University Studies: ["Approaches and Perspectives/Living in a Diverse Nation"] Course Repeatability: Course may not be repeated.

PAR 353 - Religious Reform in Modern America

Course Description:
Religious thought and action concerning social change in modern America. Topics include urban revivalism, labor, civil rights, and peace movements. Emphasis on differing interpretations of scripture, church teachings, and religious identity.
Credit Hours: 3 Prerequisite Courses:
PAR 242 or HST 106 .
Additional Restrictions/Requirements:
Prerequisite course or consent of instructor.
University Studies: ["Approaches and Perspectives/Living in a Diverse Nation"] Crosslisting:

HST 359
Course Repeatability: Course may not be repeated.

PAR 355 - Southern Religion

Course Description:
Study of religion in the American South from the colonial era to the present-day United States as it relates to gender, race, and politics. Topics include Native American religions, the religious practices of Black and white evangelicals, Catholics, Jews, and Muslims, as well as religion and slavery, "The Religion of the Lost Cause," and religion in the Civil Rights Movement.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in a Diverse Nation"]
Course Repeatability: Course may not be repeated.

PAR 360 - Philosophy of Evolution

Course Description:
Examination of philosophical issues found in the study of evolution: origins of the theory; impact on science; methodology of Darwinian and contemporary evolutionary studies; concepts of species, natural selection and adaptation and its mechanisms; application of evolutionary theory of human culture; and debates over creationism and sociobiology.
Credit Hours: 3 Prerequisite Courses:
PAR 101
Additional Restrictions/Requirements:
Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

PAR 362 - Archaeology of Ancient Israel

Course Description:
Study of Ancient Israel, its peoples and cultures through archaeological artifacts and analysis of ancient writings.
Credit Hours: 3 Prerequisite Courses:
PAR 103 or PAR 235
Additional Restrictions/Requirements:
Prerequisite courses or consent of instructor.
University Studies: ["Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

PAR 363 - Religion, Holocausts, and Genocides

Course Description:
A critical analysis of the role of religion in holocausts and genocides from antiquity to

the present. Emphasis on the destruction of aboriginal and ethnic peoples, the Jewish holocaust, African genocide, and ethnic cleansing.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

PAR 364 - Religious Views of Death and Dying

Course Description:
Views of death and dying from a variety of religious traditions including Hinduism, Buddhism, Judaism, Christianity, Islam, and Sikhism. For each tradition, we will consider the following questions: How do they understand the nature of death? do they ascribe meaning and value to death? Do they ascribe meaning and value to the death? Do they recommend a particular religious practice at the moment of death? What funeral rituals are advocated within their tradition?
Credit Hours: 3 Course Repeatability: Course may not be repeated.

PAR 365 - Topics in Philosophy and Film

Course Description:
Examination of a specific philosophical topic (such as aesthetics, reality, love, freedom, responsibility, morality, social class, race and gender) through film. Analysis of the topic under investigation will include reading primary sources in philosophy, lecture and discussion, and film screenings. May be repeated under different subtitles for up to 12 credit hours.
Credit Hours: 3 Prerequisite Courses: PAR 101 Additional Restrictions/Requirements:
Prerequisite course or consent of instructor.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

PAR 366 - Continental Philosophy: Early Jean-Paul Sartre

Course Description:
An examination of Sartre's early existential philosophy with a focus on the classical philosophical problems of personal identity, freewill/determination, negative existential statements, and the problem of other minds.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

PAR 369 - The Philosophy of Power

Course Description:
Survey of philosophical views of political power in Machiavelli, Hobbes, Locke, Marx, Berlin, Nietzsche and Foucault. Addresses a series of interrelated questions: What is political power? What legitimates it? Who has it? How does is function? What strategies and tactics most effectively subvert and/or resist it?
Credit Hours: 3 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

PAR 370 - Tibetan Buddhism

Course Description:

Examination of the Buddhism of Tibet as seen in ethical and social thought, ritual and meditation practice, philosophy, and art.

Credit Hours: 3 Prerequisite Courses:

PAR 232

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated.

PAR 371 - Buddhism

Course Description:

Survey of the essentials of Buddhism as seen in ethical and social thought, mediation practices, philosophies, rituals and art.

Credit Hours: 3 University Studies: ["Building Competencies/Writing Intensive/Information Literacy"] Course Repeatability: Course may not be repeated.

PAR 372 - Religions of India

Course Description:

Examination of the religions of India as seen in ethical and social thought, ritual and mediation practice, philosophy, and art. Includes Hinduism, Buddhism, Sikhism, and Jainism

Credit Hours: 3 Course Repeatability: Course may not be repeated.

PAR 373 - Chinese Religions

Course Description:

Examination of the history, philosophies, practices, and institutions of Chinese religions through both primary texts and secondary scholarship. Focus mainly on the indigenous religions of China - Confucianism, Daoism, and 'popular' or 'folk' traditions. Course will make use of texts, films, online resources, and images.

Credit Hours: 3 University Studies: ["Building Competencies/Writing Intensive/Information Literacy"] Course Repeatability: Course may not be repeated.

PAR 374 - Japanese Religions

Course Description:

Examination of Japanese religions and their roles in Japanese culture and society. Course will make use of texts, literature, film, anime, manga, and other media.

Credit Hours: 3 University Studies: ["Building Competencies/Writing Intensive/Information Literacy"] Course Repeatability: Course may not be repeated.

PAR 375 - Islam

Course Description:

Introduction to religious beliefs, rituals and traditions of Islam. Examination of its historical background and contemporary significance.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

PAR 376 - Judaism

Course Description:

Introduction to religious beliefs, rituals and traditions of Judaism. Examination of its historical background and contemporary significance.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

PAR 377 - African American Religions

Course Description:

Study of the religious life and thought of Black American communities with concentration on independent traditions, sects, and a sampling of major thinkers and issues.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in a Diverse Nation"] Course Repeatability: Course may not be repeated.

PAR 378 - Caribbean Religions

Course Description:

Religious diversity within the Caribbean, including established, non-traditional, and Afrocentric religious traditions, and their interaction with popular culture.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

PAR 380 - Philosophy of Drama

Course Description:

PAR 101 or PAR 115 recommended, not required. Introduction to the philosophy of drama. Includes studies of aesthetics, philosophical interpretations of classic plays, and philosophical thought in drama. Readings to include Aristophanes, Aristotle, Beckett, Critchley, Langer, Shakespeare, and Sophocles; films of plays.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

PAR 385 - Philosophy of Sports

Course Description:

PAR 101 or PAR 115 recommended, not required. Introduction to the philosophy of sports, to include studies of particular sports, philosophical discussions of the nature of sport, and of the ethics and aesthetics of sport. Includes readings from Paul Weiss, Randolph Feezell, and other contemporary philosophers; selections from films on various sports.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

PAR 390 - Religion and Technology

Course Description:

Explores how religions in the past and present are necessarily and inherently technological. Evaluates modern assumptions about the secular (i.e., non-religious) nature, digital nature, and passive work of technology. Topics vary by instructor.

University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives", "Critical Reasoning", "Approaches and Perspectives/Historical and Philosophical Approaches"] Course Repeatability: Course may not be repeated.

PAR 400 - Colloquium for Majors

Course Description:

An interdisciplinary investigation of various philosophical and religious questions. Themes for study: the problem of evil, the relations of faith and reason, symbolism and language, meaning of freedom, and concepts of determinism. Required of majors in junior or senior year; open to qualified non-majors.

Credit Hours: 3 Additional Restrictions/Requirements:

Junior or senior standing.

University Studies: ["Building Competencies/Writing Intensive and Information Literacy", "Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 18

PAR 405 - Contemporary Philosophical Thought

Course Description:

Primary source study of the various philosophers of the 20th century, representing the major schools or movements.

Credit Hours: 3 Prerequisite Courses:

PAR 101 or PAR 202

Course Repeatability: Course may not be repeated.

PAR 410 - Human Rights

Course Description:

An examination of rights theory and conceptions of human rights. Will explore the origins, meaning, nature and extent of human rights, including critical perspectives.

Credit Hours: 3 Prerequisite Courses:

PAR 101 or PAR 115

Additional Restrictions/Requirements:

Prerequisite courses or consent of instructor.

Course Repeatability: Course may not be repeated.

PAR 412 - Free Will and Moral Responsibility

Course Description:

An exploration of fundamental issues in the areas of free will and moral responsibility. Related topics include personhood, agency, action, causation, determinism, fatalism, praise and blame.

Credit Hours: 3 Prerequisite Courses:

PAR 101

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated.

PAR 421 - Contemporary Religious Thought

Course Description:

Primary source study of principal religious thinkers of 20th century, especially within Judaism and Christianity.

Credit Hours: 3 Prerequisite Courses:

PAR 103

Course Repeatability: Course may not be repeated.

PAR 491 - Directed Individual Study

Course Description:

Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.

Credit Hours: 1 To 3 Additional Restrictions/Requirements:

Junior or senior standing, overall GPA of at least 2.00, and consent of instructor, department chair and dean.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

PAR 495 - Seminar

Course Description:

Research of selected philosophic and/or religious problems.

Credit Hours: 1 To 3 Additional Restrictions/Requirements:

Credit in philosophy and religion and consent of department.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

PAR 498 - Internship in Philosophy and Religion

Course Description:

A program of work and study conducted with an agency and/or setting that provides practical experience with observation and application of philosophical or religious concepts. A maximum of 3 credit hours may be counted toward major degree

requirements and graduation. Faculty evaluation of all study and on-site activity will be in consultation with sponsoring agency.

Credit Hours: 1 To 3 Additional Restrictions/Requirements:

Junior or senior standing, consent of instructor, and GPA of at least 3.00.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 3 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link: Additional Course Fee Schedule

PAR 499 - Honors Work in Philosophy and Religion

Course Description:

Independent study for honors students.

Credit Hours: 2 To 3 Additional Restrictions/Requirements:

Senior standing and eligibility for honors program.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

PED 103 - Physical Education Activity- Program of Outdoor Pursuits

Course Description:

Study of and participation in the skills and knowledge of various outdoor recreational activities in a natural setting. Minimum of 10 one-hour lecture sessions and a minimum of 11 excursion days. Travel and subsistence costs for activities borne by the student. (Non-majors may repeat PED 103, in a different activity area, only once.)

Credit Hours: 3 Prerequisite Courses:

PED 101 [Inactive]

Course Repeatability: Course may not be repeated.

PED 104 - Scuba

Course Description:

History, theory, and principles of scuba diving. Hyperbaric physiology equipment and development, use and maintenance; development of diving skills and diving safety. Meets all national certification requirements for confined water training for entry level scuba. Download medical history form and additional medical information: http://www.uncw.edu/hahs/chapman/HOMEPAGE.HTML/.

Credit Hours: 0 Or 2 Additional Restrictions/Requirements:

Proficiency in swimming skills and completion of a medical history form prior to first class.

Course Repeatability: Course may not be repeated. Additional Course Fees: ["PE/Special Course

Fee"] Additional Fees Link:
Additional Course Fee Schedule

PED 105 - Lifeguard Training

Course Description:

Training and certification for American Red Cross Lifeguard Training.

Credit Hours: 1 Course Repeatability: Course may not be repeated.

PED 106 - Beginning Swimming

Course Description:

Designed to teach one how to swim and to instruct the basic strokes including front crawl stroke, backstroke, breaststroke, sidestroke, elementary backstroke as well as survival swimming.

Credit Hours: 1 Course Repeatability: Course may not be repeated.

PED 107 - Basic Swimming and Water Safety

Course Description:

Development of competency in basic swimming strokes of front crawl, backstroke, and sidestroke; development of water safety skills and techniques.

Credit Hours: 1 Course Repeatability: Course may not be repeated.

PED 108 - Advanced Swimming

Course Description:

Emphasis on developing competencies in basic swimming strokes of front crawl, backstroke, breaststroke, sidestroke, elementary backstroke; turns; develop skill in lifesaving techniques, water safety and cardiovascular conditioning.

Credit Hours: 1 Course Repeatability: Course may not be repeated.

PED 109 - Water Safety

Course Description:

Designed to instruct students how to teach others the various skills and courses offered in the American Red Cross Swimming Programs.

Credit Hours: 1 Additional Restrictions/Requirements:

Possess current Red Cross Emergency Water Safety or Lifeguard Training Certificate.

Course Repeatability: Course may not be repeated.

PED 110 - Archery

Course Description:

Basic techniques and knowledge of target archery.

Credit Hours: 1 Course Repeatability: Course may not be repeated.

PED 111 - Beginning Tennis

Course Description:

Study of and participation in basic tennis skills including serve, volley, and ground strokes. Emphasis on improving proficiency in techniques and mechanics.

Credit Hours: 1 Course Repeatability: Course may not be repeated.

PED 112 - Intermediate Tennis

Course Description:

Study and participation in advanced tennis skills and knowledge of the various techniques and tactics, including application of mechanics and strategies.

Credit Hours: 1 Course Repeatability: Course may not be repeated.

PED 113 - Golf

Course Description:

Skills and knowledge of golf, including basic swing as well as rules and basic terms.

Credit Hours: 1 Course Repeatability: Course may not be repeated.

PED 114 - Bowling

Course Description:

Instruction and practice in the basic skills of bowling.

Credit Hours: 1 Course Repeatability: Course may not be repeated.

PED 115 - Weight Training

Course Description:

Knowledge, technique, and safety procedures of weight training and related activities.

Credit Hours: 1 Course Repeatability: Course may not be repeated.

PED 116 - Beginning Racquetball

Course Description:

Basic racquetball terminology, scoring and game procedures, including rules, court position, and basic strokes.

Credit Hours: 1 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 1

PED 117 - Intermediate Racquetball

Course Description:

Development of racquetball shots, game strategy, patterns of play, and defensive and offensive returns.

Credit Hours: 1 Course Repeatability: Course may not be repeated.

PED 118 - Beginning Racquetball-Tennis

Course Description:

Basic terminology, scoring, rules, court position, and strokes of racquetball and

tennis.
Credit Hours: 1 Course Repeatability: Course may not be repeated.

PED 119 - Badminton-Tennis

Course Description:
Basic terminology, scoring, rules, court position, and strokes of badminton and tennis.
Credit Hours: 1 Course Repeatability: Course may not be repeated.

PED 120 - Group Exercise

Course Description:
Cardiovascular fitness program which incorporates physiologically safe exercise movements to music. Intended to develop strength, flexibility, and improve cardiorespiratory efficiency.
Credit Hours: 1 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 1

PED 121 - Soccer

Course Description:
Instruction and participation in the basic skills, strategy and application of rules of soccer. Experiences will include indoor soccer, small-sided games, full-sided matches, video sessions and lecture session.
Credit Hours: 1 Course Repeatability: Course may not be repeated.

PED 122 - Volleyball

Course Description:
Instruction and participation in the basic skills, strategy and application of rules of volleyball.
Credit Hours: 1 Course Repeatability: Course may not be repeated.

PED 123 - Physical Conditioning

Course Description:
A personal physical conditioning program including systems of fitness emphasizing circuit training, interval training, and calisthenics.
Credit Hours: 1 Course Repeatability: Course may not be repeated.

PED 124 - Basic Canoeing and Kayaking

Course Description:
Introduction to theory, navigation rules, equipment, and basic skills of canoeing and kayaking. Emphasis on safety and practice of canoeing and kayaking on coastal waters.
Credit Hours: 1 Course Repeatability: Course may not be repeated.

PED 125 - Basic Sailboarding

Course Description:

Introduction to theory, navigation rules, equipment, and basic skills of sailboarding. Emphasis on safety and practice of sailing skills.

Credit Hours: 1 Course Repeatability: Course may not be repeated.

PED 126 - Beginning Snow Skiing

Course Description:

Knowledge, safety, conditioning, and basic skills of snow skiing. (Fee plus off-campus lodging and equipment costs; dates and location TBA.)

Credit Hours: 1 Course Repeatability: Course may not be repeated.

PED 127 - Motor Boat Operation

Course Description:

Introduction to theory, navigation, navigation rules, safety, weather, fire, rescue and seamanship involved in motor boating. Successful completion results in certification by the National Association of State Boating Law Administrators.

Credit Hours: 1 Additional Restrictions/Requirements:

Consent of instructor.

Course Repeatability: Course may not be repeated.

PED 134 - Dance Techniques I

Course Description:

Introduction to the fundamentals of classical ballet or modern dance. Emphasis on proper body alignment, terminology, strength and flexibility training, and beginning ballet or modern dance movement vocabulary.

Credit Hours: 2 Crosslisting:

["THR 134 "]

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

PED 136 - Movement Exploration

Course Description:

Study through creative dance techniques of the body's potential as a tool for creative expression. Exploration of the relationship as a tool for creative expression. Exploration of the relationship of dance to other art forms. Solo and group work using basic art concepts and the individual's own experience as material for movement improvisation and composition. No dance training necessary.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives"] Crosslisting:

["THR 136 "]

Course Repeatability: Course may not be repeated.

PED 138 - Hatha Yoga

Course Description:

An introduction to the various aspects of Yoga, including Hatha Yoga postures, breathing techniques, and deep relaxation.

Credit Hours: 1 Course Repeatability: Course may not be repeated.

PED 140 - Walking Fitness

Course Description:

Walking Fitness (1) Safe and effective techniques of developing and maintaining fitness through walking.

Credit Hours: 1 Course Repeatability: Course may not be repeated.

PED 142 - Jogging Fitness

Course Description:

Safe and effective techniques of developing and maintaining fitness through jogging.

Credit Hours: 1 Course Repeatability: Course may not be repeated.

PED 150 - Beginning Sailing

Course Description:

Theory, navigation rules, equipment, and basic skills of sailing. Emphasis on safety and practice of sailing skills. (Fee required, dates and location TBA)

Credit Hours: 1 Course Repeatability: Course may not be repeated. Additional Course Fees: ["PE/Special Course Fee"] Additional Fees Link:
Additional Course Fee Schedule

PED 199 - Topics in Physical Education

Course Description:

Selected topics in physical education.

Credit Hours: 1 To 3 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

PED 200 - Instructional Design in Educational Dance and Gymnastics K-12

Course Description:

This course develops instructional skills in planning, teaching, and evaluation psychomotor, cognitive, and affective learning in educational dance and gymnastics K-12.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

PED 201 - Lifelong Physical Education Programming - Individual

and Dual

Course Description:

Development and enhancement of the knowledge and skills necessary for the designing of traditional and lifelong individual and dual physical education programs.

Credit Hours: 3 Prerequisite Courses:

Prerequisite or corequisite: HFE 235 , or consent of instructor.

Course Repeatability: Course may not be repeated.

PED 202 - Lifelong Physical Education Programming- Team

Course Description:

Development and enhancement of knowledge and skills necessary for the designing of traditional and lifelong team physical education programs.

Credit Hours: 3 Prerequisite Courses:

Prerequisite or corequiste: HFE 235 , or consent of instructor

Course Repeatability: Course may not be repeated.

PED 206 - Global Dance and Culture

Course Description:

Provides an opportunity to experience cultures and dance from around the world. Emphasis on the historical and cultural contributions of international dance forms such as international ballroom, Latin and folkloric dance; and other international dance forms.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

PED 216 - Human Anatomy and Physiology I

Course Description:

Study of seven of the eleven major organ systems as each relates to human movement and health.

Credit Hours: 0 Or 4 Course Repeatability: Course may not be repeated.

PED 217 - Human Anatomy and Physiology II

Course Description:

The human nervous, urinary, endocrine, digestive, and reproductive systems as related to health and movement.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

PED 226 - Intermediate Snow Skiing

Course Description:

Intermediate skills, knowledge, safety and conditioning for snow skiing. (Fee plus off-campus lodging and equipment costs; dates and location TBA.)

Credit Hours: 1 Additional Restrictions/Requirements:

Consent of instructor.
Course Repeatability: Course may not be repeated.

PED 234 - Dance Techniques II

Course Description:
Intermediate level ballet or modern dance class. Continued training in body alignment, technique, center floor work, and combinations of moving through space. Strong concentration on strength and flexibility training and emphasis on movement quality.
Credit Hours: 2 Prerequisite Courses: THR 134 or PED 134 Additional Restrictions/Requirements:
Prerequisite course or consent of instructor.
Crosslisting:
["THR 234 "]
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

PED 236 - Athletic Officiating

Course Description:
Rules, officiating techniques, and problems arising in officiating with emphasis on football, basketball, baseball, volleyball, and tennis.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

PED 266 - Applications of Computers in Physical Education and Health

Course Description:
Introduction to technology for students in physical education and health. Topics include microcomputer operations, computer software applications, the Internet, distance learning technologies, and ethics of computer use.
Credit Hours: 3 Additional Restrictions/Requirements:
Open to declared physical education majors only or by consent of instructor.
Crosslisting:
["EXS 266 ", "HEA 266 "]
Course Repeatability: Course may not be repeated.

PED 315 - Motor Development

Course Description:
Analysis of the sequential progression of fundamental motor skills from infancy through adolescence. Study of physical growth patterns and biological maturity as related to motor performance. Attention also given to perceptual motor programs for children. A field experience is required.
Credit Hours: 2 Prerequisite Courses:

PED 216

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated.

PED 320 - Methods of Teaching Motor Activity

Course Description:

Emphasis on instructional methodology appropriate to teaching motor skills and sports activities, formulation of objectives, and lesson planning. Includes practicum in teaching. A field experience is required.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

PED 335 - Readings in Physical Education

Course Description:

A comprehensive review of literature in physical education and related areas.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

PED 340 - Biomechanics of Sport and Exercise

Course Description:

Neuromuscular and mechanical principles of human movement with emphasis on movement analysis most often encountered in fitness activities and sport skills.

Credit Hours: 3 Prerequisite Courses:

PED 216 with a minimum grade of C- or BIO 240 with a minimum grade of C-

Crosslisting:

["EXS 321 "]

Course Repeatability: Course may not be repeated.

PED 342 - Skill Analysis for Sport and Physical Activity

Course Description:

Advanced analysis of sport and physical activity skills. Emphasis on observation, error detection and analysis, and improvement prescription. Focus on beginner to intermediate level of performance. Required physical performance of skills.

Credit Hours: 3 Prerequisite Courses:

PED 340

Additional Restrictions/Requirements:

PED major or EXS concentration/major.

Crosslisting:

["EXS 342 "]

Course Repeatability: Course may not be repeated.

PED 355 - Measurement and Evaluation of Human Physical

Performance

Course Description:

Elementary statistical techniques used in research and interpretation of data; identification of physical fitness and movement components; evaluation of measures now available in the field and administration of performance tests.

Credit Hours: 3 Crosslisting:

["EXS 313 "]

Course Repeatability: Course may not be repeated.

PED 359 - Research and Evaluation in Health, Physical Education and Health

Course Description:

Methods of research in the fields of physical education and health. Identification of research problems, sampling methods, data analysis and interpretation, and planning of evaluation studies.

Credit Hours: 3 Prerequisite Courses:

PED 355

Crosslisting:

["EXS 310 ", "HEA 359 "]

Course Repeatability: Course may not be repeated.

PED 360 - Motor Learning

Course Description:

An introduction to the principles of motor learning, this course is concerned with the analysis and application of physiology and psychological principles related to the learning and performance of motor skills.

Credit Hours: 0 To 3 Course Repeatability: Course may not be repeated.

PED 379 - Sport, Physical Activity and the Law

Course Description:

An introduction to the legal aspects of amateur sport and physical activity, emphasizing the legal knowledge practitioners need to function effectively. Considers terminology, procedure, operations of the law, and case studies.

Credit Hours: 3 Additional Restrictions/Requirements:

Junior or senior standing.

Crosslisting:

["EXS 311 "]

Course Repeatability: Course may not be repeated.

PED 416 - Laboratory Techniques and Research Methods in Exercise Physiology

Course Description:

A study of laboratory techniques and research methods used to evaluate physiological response to exercise and training. Primarily a laboratory experience.

Credit Hours: 3 Additional Restrictions/Requirements:

Consent of instructor.

Course Repeatability: Course may not be repeated.

PED 421 - Methods of Coaching Baseball

Course Description:

Emphasis on strategy, fundamentals, techniques, training and related duties. Baseball

Credit Hours: 2 Course Repeatability: Course may not be repeated.

PED 422 - Methods of Coaching Basketball

Course Description:

Emphasis on strategy, fundamentals, techniques, training and related duties. Basketball

Credit Hours: 2 Course Repeatability: Course may not be repeated.

PED 423 - Methods of Coaching Football

Course Description:

Emphasis on strategy, fundamentals, techniques, training and related duties. Football

Credit Hours: 2 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 2

PED 424 - Methods of Coaching Track and Field

Course Description:

Emphasis on strategy, fundamentals, techniques, training and related duties. Track and Field.

Credit Hours: 2 Course Repeatability: Course may not be repeated.

PED 425 - Methods of Coaching Soccer

Course Description:

Emphasis on strategy, fundamentals, techniques, training and related duties. Soccer

Credit Hours: 2 Course Repeatability: Course may not be repeated.

PED 426 - Methods of Coaching Volleyball

Course Description:

Emphasis on strategy, fundamentals, techniques, training and related duties.
Volleyball
Credit Hours: 2 Course Repeatability: Course may not be repeated.

PED 435 - Sport Management

Course Description:
Concepts, skills, and techniques necessary for the planning, implementation, management, and evaluation of educational, corporate, and commercial sport or fitness programs.
Credit Hours: 3 Additional Restrictions/Requirements:
Junior or senior standing.
Course Repeatability: Course may not be repeated.

PED 436 - Intramurals

Course Description:
The position of intramural activities in the overall program of physical education. Analysis of problems involved in the administration and organization with emphasis on the practical approach in school systems.
Credit Hours: 3 Additional Restrictions/Requirements:
Junior or senior standing.
Course Repeatability: Course may not be repeated.

PED 440 - Selected Topics Exercise Science

Course Description:
Selected topics in exercise science, including exercise prescription and program planning for pediatric, adolescent, adult and older adult population.
Credit Hours: 3 Prerequisite Courses:
PED 355
Additional Restrictions/Requirements:
Senior standing.
Course Repeatability: Course may not be repeated.

PED 455 - Advanced Tests and Measurements in Physical Education

Course Description:
Statistical techniques as applied to research in physical education; measurement and evaluation in areas of agility, balance, power, flexibility, kinesthetic perception and anthropometrics.
Credit Hours: 3 Prerequisite Courses:
PED 355

Course Repeatability: Course may not be repeated.

PED 460 - Sport and Exercise Psychology

Course Description:

Study of psychological knowledge and principles as they relate to sport and exercise participants and the sport and exercise environment. Emphasis on practical application of psychological concepts related to sport and exercise.

Credit Hours: 3 Additional Restrictions/Requirements:

Junior or senior standing.

Course Repeatability: Course may not be repeated.

PED 470 - Exercise Prescription and Assessment: Healthy Population

Course Description:

Concepts of health related physical fitness with emphasis on the design of an individualized exercise program for all ages within an apparently healthy population.

Credit Hours: 0 Or 4 Crosslisting:

["EXS 411 "]

Course Repeatability: Course may not be repeated.

PED 471 - Exercise Prescription and Assessment: Special Populations

Course Description:

Concepts of health related physical fitness with emphasis on the design of safe and appropriate individualized exercise programs for all ages within various special populations.

Credit Hours: 3 Prerequisite Courses:

PED 470

Crosslisting:

["EXS 421 "]

Course Repeatability: Course may not be repeated.

PED 481 - Seminar in Athletic Training

Course Description:

Study of and exposure to various medical providers that make up the 'Sports Medicine Team,' current issues and topics that deal with professional growth and development, ethics and employment opportunities. A minimum 250-hour practical assignment is required for this course.

Credit Hours: 3 Additional Restrictions/Requirements:

Athletic training majors only and consent of instructor.
Course Repeatability: Course may not be repeated.

PED 498 - Internship in Physical Education

Course Description:
Practical application of theory of physical education, health, and exercise science within the community, clinical, or industrial setting. Students shall complete 300 hours under the direct guidance of the agency's site supervisor.
Credit Hours: 12 Prerequisite Courses: PED 470 Additional Restrictions/Requirements:
Senior standing.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link: Additional Course Fee Schedule

PED 499 - Honors Work in Physical Education

Course Description:
Independent study for honors students.
Credit Hours: 2 To 3 Additional Restrictions/Requirements:
Senior standing and eligibility for honors program.
University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

PEDL 101 - Physical Activity and Wellness Lab

Course Description:
Participation in physical activity, increased awareness and development of using physical activity to enhance all aspects of well-being, increased awareness and development of a well-rounded lifestyle. Physical Activity and Wellness LAB is a 1-credit course.
The purpose of this course is threefold: 1) to provide you with instruction and guidance during participation in lifetime physical activities (i.e., cardiovascular, resistance and flexibility) to improve your fitness, health and wellness, 2) to recognize the multidimensional nature of wellness and its reciprocal relationship with physical activity, and 3) to enhance self-awareness and self-management skills associated with lifelong physical activity. Course activities and assignments are specifically designed to improve your knowledge, beliefs, motivations, skills, and behaviors to aid in your lifetime journey of being active.

Credit Hours: 1 Prerequisite Courses:
PED 101 [Inactive]

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 9

PHY 101 - Elementary College Physics I

Course Description:

First semester of a two semester algebra-based introduction to the fundamental principles of physics. Topics include kinematics, Newtonian statics and dynamics, gravitation, oscillations, and mechanical waves.

Credit Hours: 4 Prerequisite or Corequisite Courses:

MAT 111 or MAT 112 or MAT 150 or MAT 151 or MAT 160 or MAT 161

University Studies: ["Approaches and Perspectives/Scientific Approaches to the Natural World"]

Course Repeatability: Course may not be repeated.

PHY 102 - Elementary College Physics II

Course Description:

Second semester of a two semester algebra-based introduction to the fundamental principles of physics. Topics include electric and magnetic fields, circuits, electromagnetic waves, and optics.

Credit Hours: 4 Prerequisite Courses:

PHY 101

Course Repeatability: Course may not be repeated.

PHY 103 - Great Ideas in Physics

Course Description:

Introduces the nature of science to the nonscientist by emphasizing the concepts underlying four great ideas in physics: the conservation of energy, the second law of thermodynamics, the relativity of time, and the wave-particle duality of nature. Explores the mutual influence of science and the humanities (literature, philosophy, history, and the arts).

Credit Hours: 3 Course Repeatability: Course may not be repeated.

PHY 104 - Physics Everyone Should Know

Course Description:

Prepares individuals with the physics needed to be effective world leaders by stressing conceptual understanding rather than mathematics with applications to current events. Physics is critical to our understanding of energy, space, global warming, nuclear power, and technology.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Scientific Approaches to the Natural World"] Course Repeatability: Course may not be repeated.

PHY 105 - Introductory Physics

Course Description:

Survey of topics in physics for non-science majors covering the fundamentals of mechanics, heat, light, sound, and electricity and magnetism, and their application in today's society.
Credit Hours: 0 To 4 Course Repeatability: Course may not be repeated.

PHY 106 - Physics of Sailing

Course Description:
Application of physics principles to sailing. Topics include kinetics, vectors, Newtonian mechanics, and fluid mechanics. Basic keelboat sailing is taught in the laboratory component, leading to American Sailing Association ASA 101, certification. Three lecture and two laboratory hours each week. Fee required.
Credit Hours: 4 Prerequisite or Corequisite Courses:
MAT 111 or MAT 112 or MAT 150 or MAT 151 or MAT 160 or MAT 161
Course Repeatability: Course may not be repeated.

PHY 107 - Introduction to Climate Physics

Course Description:
Topics in algebra-based physics as applied to the global climate system and global energy balance. Introduction to the physics of the atmosphere and ocean, including vertical and meridional structure, atmospheric circulation and convection, wind-driven and thermohaline ocean circulation, climate variability and global warming, climate modeling and the modern international climate science process.
Credit Hours: 0 To 4 Course Repeatability: Course may not be repeated.

PHY 111 - Naked-eye Astronomy and Archaeoastronomy

Course Description:
Detailed knowledge of the motions of the sun, moon, planets, and stars is used to understand ancient skywatching techniques, calendars, celestial lore, sky mythology, cosmological concepts and traditions; the impact of astronomy on the architecture, city planning and cultures of prehistoric societies: ancient European (Stonehenge), Babylonian, Egyptian, Mesoamerican, and Native North American. Occasional night viewings.
Credit Hours: 3 Course Repeatability: Course may not be repeated. Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

PHY 201 - General Physics I

Course Description:
First semester of a two semester calculus-based introduction to the fundamental principles of physics for the physical and mathematical sciences. Topics include

kinematics, Newtonian statics and dynamics, gravitation, oscillations, and mechanical waves.

Credit Hours: 4 Prerequisite or Corequisite Courses:

MAT 161

University Studies: ["Approaches and Perspectives/Scientific Approaches to the Natural World"]

Course Repeatability: Course may not be repeated.

PHY 202 - General Physics II

Course Description:

Second semester of a two semester calculus-based introduction to the fundamental principles of physics for the physical and mathematical sciences. Topics include electric and magnetic fields, circuits, Maxwell's equations, electromagnetic waves, and optics.

Credit Hours: 4 Prerequisite or Corequisite Courses:

MAT 162

Prerequisite Courses:

PHY 201

Course Repeatability: Course may not be repeated.

PHY 215 - Introduction to Computing in the Physical Sciences

Course Description:

The computational methods commonly used to display and analyze data in the physical sciences by introducing students to the basics of MATLAB (tm) or a similar programming language. Topics include: control structures, handle graphics functions and matrix algebra. Laboratory setting, emphasiziing work with real environmental data and project-based.

Credit Hours: 1 Prerequisite Courses:

MAT 162

Course Repeatability: Course may not be repeated.

PHY 220 - The Physics of Music

Course Description:

An introduction to the physical principles underlying music. Study of resonance, the overtone series, and timbre for both acoustic and electronic instruments, as well as psychoacoustics, pitch, and Western and non-Western musical scales. Familiarity with pre-college trigonometry and algebra is presumed.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

PHY 225 - Electronics

Course Description:

Practical introduction to making consumer electronic circuits in three formats: breadboard prototypes; hard-wired through-hole component circuits; and surface mount-circuits, laid out using photo-lithography. Study of software tools to document and test circuit designs, and to create photo-lithographic masks to use in creating printed circuit boards.

Credit Hours: 3 Additional Restrictions/Requirements:

Consent of instructor.

Course Repeatability: Course may not be repeated.

PHY 260 - Introduction to Astronomy

Course Description:

Descriptive course in principles, theories, and techniques of astronomy. Occasional night viewings.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Scientific Approaches to the Natural World"] Course Repeatability: Course may not be repeated. Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

PHY 291 - Introductory Research in Physics

Course Description:

Physics or Physical Oceanography research under faculty supervision beyond what is offered in existing courses.

Additional Restrictions/Requirements:

Freshman or sophomore class standing. Instructor approval.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Repeat Limit: 2

PHY 300 - Analog Circuits

Course Description:

Study of passive (resistors, capacitors, inductors) and active (diodes, transistors) components in AC and transient circuits, and integrated circuits utilizing them; skills such as soldering, splicing, and component testing. Culminates in the design and construction of a functional electronic device.

Credit Hours: 4 Prerequisite Courses:

PHY 202

University Studies: ["Explorations Beyond the Classroom", "Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

PHY 311 - Mathematical Physics

Course Description:

Introduction to mathematical techniques in physics: vector analysis, operator and matrix analysis;

functions of a complex variable and calculus of residues; functions of mathematical physics; eigenfunctions and the Sturm-Liouville equation; and Fourier series and transforms.
Credit Hours: 3 Prerequisite Courses:

PHY 202 .

Course Repeatability: Course may not be repeated.

PHY 314 - Introduction to Computational Physics

Course Description:

An introduction to the solution of common physics problems using computers. Assuming no previous computer programming experience, the course will introduce basic scientific programming skills as applied to solve problems in mechanics, chaos, nonlinear dynamics, electromagnetism, fluid dynamics, and other areas.
Credit Hours: 3 Prerequisite Courses:

Prerequisite or corequisite: PHY 321 or MAT 361 .

Course Repeatability: Course may not be repeated.

PHY 315 - Computational Physics and Complexity

Course Description:

Corequisites: PHY 321 or MAT 361 . Introduction to numerial modeling techniques for solving problems in physics and complex systems. Numerial techniques will be applied to classical mechanics, bifurcation and dynamical systems, chaotic systems, thermodynamics, optimization, cellular automata, and self-organization.
Credit Hours: 3 University Studies: ["Explorations Beyond the Classroom", "Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

PHY 321 - Classical Dynamics I

Course Description:

Newtonian and Lagrangian formulations of mechanics applied to single particles and systems of particles, central forces, oscillations, and normal mode analysis. Rotating frames of reference.
Credit Hours: 4 Prerequisite or Corequisite Courses:

PHY 311 or MAT 361 .

Prerequisite Courses:

PHY 202 .

Course Repeatability: Course may not be repeated.

PHY 322 - Classical Dynamics II

Course Description:

The second course in a two-course sequence. Please see PHY 321 for description.
Credit Hours: 0 Or 3 Course Repeatability: Course may not be repeated.

PHY 335 - Modern Physics I

Course Description:

Introduction to special relativity and wave mechanics. First of a two-course sequence in Modern Physics.

Credit Hours: 3 Prerequisite Courses:

PHY 202 .

University Studies: ["Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

PHY 336 - Modern Physics II

Course Description:

Second semester of the Modern Physics sequence. Aims to familiarize students with the fundamental concepts, methods, and open questions in a wide range of subfields through the application of relativity and simple quantum mechanics. Possible topics include atomic physics, nuclear physics, particle physics, solid-state physics, astrophysics, and cosmology.

Credit Hours: 3 Prerequisite Courses:

PHY 335

Course Repeatability: Course may not be repeated.

PHY 350 - Fluid Mechanics

Course Description:

Emphasizes fundamental physical principles; fluid statics, fluid kinematics, integral and differential forms of the conservation laws for mass, momentum and energy; Bernoulli equation; laminar flows; potential flows; vorticity dynamics; dyanamic similarity; boundary layers; turbulence.

Credit Hours: 3 Prerequisite Courses:

PHY 321 or MAT 361

Course Repeatability: Course may not be repeated.

PHY 400 - Experimental Physics

Course Description:

Seminal experiments illuminating a particular branch of modern physics, using topics drawn from atomic, nuclear, solid-state, plasma, and optical physics. Students participate in the design and implementation of experiments and acquire skills such as data organization, error analysis, and interpretation of results.

Credit Hours: 3 Prerequisite Courses:

PHY 202 and PHY 314 .

University Studies: ["Building Competencies/Writing Intensive", "Explorations Beyond the

Classroom/Certified Internship Program"] Course Repeatability: Course may not be repeated.

PHY 411 - Electricity and Magnetism

Course Description:

Electric and magnetic field theory; Poisson's and Laplace's equation; harmonic methods, special methods for solution of electrostatics problems, material media and boundary value problems; electromagnetic waves.

Credit Hours: 3 Prerequisite or Corequisite Courses:

MAT 261 .

Prerequisite Courses:

PHY 202 .

Course Repeatability: Course may not be repeated.

PHY 412 - Electricity and Magnetism II

Course Description:

The second course in a two-course sequence. Please see PHY 411 for description.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

PHY 414 - Engineering Physics I

Course Description:

Introduction to the practical fabrication of devices. Students will learn to use CAD (Computer-Aided Design) software to design projects and will also learn how to use hand tools, standard and CNC (Computer Numerical Controlled) machine tools, and 3D printers to fabricate objects. This class is intrinsically project oriented.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

PHY 415 - Solid State Physics

Course Description:

A study of the basic properties of solids--crystal structure; mechanical, thermal and electromagnetic properties as determined by the phonon, electron, and magnon characteristics.

Credit Hours: 3 Prerequisite Courses:

PHY 335

Course Repeatability: Course may not be repeated.

PHY 416 - Introduction to Material Science

Course Description:

The course introduces students to the physics governing the properties of materials in general. Topics include atomic structure and bonding and how these influence the structure (crystalline and amorphous) of solids, the origin of the physical (i.e., electrical, thermal, and mechanical) properties of solids, diffusion dynamics, and

phase transistions.

Credit Hours: 3 Prerequisite Courses:

PHY 202

Course Repeatability: Course may not be repeated.

PHY 417 - Engineering Physics II

Course Description:

Integration of fabricated objects with hand-built electronic circuits and microprocessors in order to make sophisticated devices for practical use. This class is intrinsically project oriented.

Credit Hours: 3 Prerequisite Courses:

PHY 225 and PHY 414 .

Course Repeatability: Course may not be repeated.

PHY 420 - Global Climate Change

Course Description:

Analysis of natural and anthropogenic global climate change. Historical and geological records of climate including sediment, tree ring, and ice core analysis. Physics and chemistry of climate, including Earth's energy balance, global carbon cycle, climate modeling, atmospheric composition and dynamics.

Credit Hours: 3 Prerequisite Courses:

PHY 102 or (PHY 202 and CHM 102 and CHML 102 and MAT 162)

University Studies: ["Building Competencies/Writing Intensive"] Crosslisting:

GGY 420 , GLY 420

Course Repeatability: Course may not be repeated.

PHY 425 - Atomic and Molecular Physics

Course Description:

The quantum theory of atomic and molecular structure and spectra. Topics include relativistic and electromagnetic interactions; the hydrogen atom, the helium atom, multielectron atoms; radiative and Auger transitions, selection rules; diatomic and simple polyatomic molecules.

Credit Hours: 3 Prerequisite Courses:

PHY 444

Course Repeatability: Course may not be repeated.

PHY 435 - Nuclear Physics

Course Description:

Introduction to properties of the nucleus; natural and artificial radioactivity; nuclear reactions and particle accelerators.

Credit Hours: 3 Prerequisite Courses:

PHY 335

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated.

PHY 444 - Quantum Theory

Course Description:

Introduction to basic principles of quantum mechanics. Topics include operators, symmetry, orbital and spin angular momentum, perturbation theory, and applications to simple systems.

Credit Hours: 4 Corequisite Courses:

MAT 361

Prerequisite Courses:

PHY 335

Course Repeatability: Course may not be repeated.

PHY 445 - Optics

Course Description:

Physical and geometrical optics. Huygen's principles, electromagnetic theory of light.

Credit Hours: 3 Prerequisite Courses:

PHY 202 and MAT 261

Course Repeatability: Course may not be repeated.

PHY 455 - Thermal Physics

Course Description:

Principles of thermodynamics and heat transfer; response of molecules to temperature effects illustrated by introduction to kinetic theory and statistical mechanics.

Credit Hours: 3 Prerequisite Courses:

PHY 335

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated.

PHY 470 - Data Analysis

Course Description:

Data analysis techniques used in experimental and applied physical science. Topics include propagation of errors, probability distributions, data reduction techniques,

covariance and convolution, autocorrelation, linear regression, time series analysis, and spectral analysis.
Credit Hours: 3 Prerequisite Courses:
PHY 202 .
Course Repeatability: Course may not be repeated.

PHY 475 - Physical Oceanography

Course Description:
An introduction to the descriptive and dynamical features of ocean circulation. Topics include: the physical properties of seawater; oceanic heat budget; dynamics of ocean currents; descriptive oceanography; waves and tides.
Credit Hours: 3 Prerequisite Courses:
(MAT 152 or MAT 162) and (PHY 102 or PHY 202)
Crosslisting:
PHY 575
Course Repeatability: Course may not be repeated.

PHY 477 - Observational Methods in Physical Oceanography

Course Description:
Description of instrumentation used to measure temperature, salinity, pressure, and current in the ocean. Hands-on use of techniques and instrumentation to collect and analyze real oceanographic data. Credit is not allowed for both PHY 477 and PHY 577 .
Credit Hours: 3 Prerequisite Courses:
PHY 315 and PHY 475
University Studies: ["Explorations Beyond the Classroom", "Building Competencies/Writing Intensive"] Crosslisting:
PHY 577
Course Repeatability: Course may not be repeated. Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

PHY 478 - Geophysical Fluid Dynamics

Course Description:
The fundamental principles governing the flow of a density-stratified fluid on a rotating planet, with applications to the motions of the ocean and atmosphere. Equations of state, compressibility, Boussinesq approximation. Geostrophic balance, Rossby number. Poincare, Kelvin, Rossby waves, and geostrophic adjustment. Credit is not allowed for both PHY 478 and PHY 578 .
Credit Hours: 3 Corequisite Courses:

PHY 475

Prerequisite Courses:

PHY 350

Crosslisting:

PHY 578

Course Repeatability: Course may not be repeated.

PHY 479 - Ocean Circulation Systems

Course Description:

Focus on results of World Ocean Circulation Experiment (WOCE), a multi-national, multi-decadal program designed to observe the global ocean. Explores large-scale circulation and properties of the ocean as foundation for understanding the future of the world oceans and their role in climate change. Credit is not allowed for both PHY 479 and PHY 579 .

Credit Hours: 3 Prerequisite Courses:

PHY 475

Crosslisting:

PHY 579

Course Repeatability: Course may not be repeated.

PHY 480 - Coastal And Estuarine Systems

Course Description:

Introduction to the physical processes operating within coastal and estuarine systems. Focus on the dynamical description of topics such as gravity waves, surf zone hydrodynamics, storm surge, tides, estuarine hydraulics, sediment transport, and morphodynamics. Credit is not allowed for both PHY 480 and PHY 580 .

Credit Hours: 3 Prerequisite Courses:

PHY 475

Crosslisting:

PHY 580

Course Repeatability: Course may not be repeated.

PHY 490 - Special Topics in Physics

Course Description:

Selected topics in physics that are beyond the scope of regular course offerings. May be repeated once under a different subtitle.

Credit Hours: 1 To 3 Additional Restrictions/Requirements:

Junior or senior standing.

Course Repeatability: Course may be repeated.

PHY 491 - Directed Individual Study

Course Description:

Investigation of topics, under faculty supervision, beyond existing Physics and Physical Oceanography course listing.

Credit Hours: 1 Additional Restrictions/Requirements:

junior or senior standing, overall GPA of at least 2.00

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

PHY 493 - Physics Laboratory Teaching Practicum

Course Description:

Students work under the tutelage of a faculty member to develop skills needed to prepare, conduct and evaluate introductory laboratory assignments. Some instruction and evaluation in an ongoing physics laboratory is required; specific responsibilities are set by the supervisor in consultation with the student trainee.

Credit Hours: 1 Additional Restrictions/Requirements:

Consent of instructor.

Course Repeatability: Course may not be repeated.

PHY 495 - Physics Seminar

Course Description:

Provides instruction in communication skills related to presenting scientific information such as writing papers, presenting talks, and creating posters in LaTeX for physics and physical oceanography. Students may work with individual faculty in the department leading to a presentation on their research topic.

Credit Hours: 3 Additional Restrictions/Requirements:

Consent of instructor.

University Studies: ["Building Competencies/Writing Intensive", "Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

PHY 496 - Undergraduate Research in Physics

Course Description:

Students will conduct experimental, computational, or theoretical physics research under faculty supervision.

Credit Hours: 1 To 3 Additional Restrictions/Requirements:

Consent of instructor.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Repeat Limit: 2

PHY 497 - Capstone Seminar

Course Description:

This course serves as an opportunity to read and present both classic and more

recent peer-reviewed journal articles in the fields of physics and physical oceanography. Articles will be chosen by the instructor and will vary each semester. Meetings will occur once a week during the semester and last for one hour.
Credit Hours: 1 Prerequisite Courses:

PHY 335

Additional Restrictions/Requirements:

Prerequisite course and consent of instructor.

Course Repeatability: Course may not be repeated.

PHY 498 - Internship in Physics

Course Description:

Practical experience and academic training in the student's principal area of interest. Joint supervision and evaluation by a physics faculty member and an on-site supervisor.

Credit Hours: 1 To 3 Additional Restrictions/Requirements:

Junior or senior standing, overall GPA of at least 2.50 and a GPA in PHY courses of at least 2.80. Students must be pre-approved by the faculty supervisor, department chair and dean.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 3 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

PHY 499 - Honors Work in Physics

Course Description:

Independent study for honors students.

Credit Hours: 2 To 3 Additional Restrictions/Requirements:

Senior standing, eligibility for honors program.

University Studies: ["Explorations Beyond the Classroom", "Building Competencies/Writing Intensive"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

PLS 101 - American National Government

Course Description:

Survey of basic principles, institutions and functions such as federalism, separation of powers, civil liberties and rights, judicial review, public opinion, political parties, elections and interest groups.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Understanding Human Institutions and Behaviors"] Course Repeatability: Course may not be repeated.

PLS 111 - Politics and Government in Global Perspective

Course Description:

Survey for non-majors of politics and governmental institutions within and among

nation states. Attention will also be given to the role of political theory and ideology in the governance of states.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in a Global Society"] Course Repeatability: Course may not be repeated.

PLS 201 - Introduction to Political Science Methods

Course Description:
Introduction to the rationale and application of the scientific method to political analysis. Major topics include: statement of problem, survey of literature, theory construction, data collection and analysis, and presentation of findings and conclusions.
Credit Hours: 3 University Studies: ["Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

PLS 202 - Contemporary American Political Issues

Course Description:
Important political issues and their relationship to the overall American political process. Topics are selected from, but not limited to: education policy; health care policy; federal deficit and debt policy; and minorities and politics.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Understanding Human Institutions and Behaviors"] Course Repeatability: Course may not be repeated.

PLS 203 - Religion and Politics in the United States

Course Description:
An examination of the origin, nature, and consequences of religion's influence on political values, institutions, and policies in the United States.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

PLS 204 - Judicial Politics

Course Description:
An analysis of the organization, powers and role of the judiciary. Topics include: the political role of judges, factors influencing judicial policy-making, selection of judges, the role of lawyers, and judicial decision-making.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

PLS 205 - Campaign and Elections

Course Description:
Focuses on the electoral arena (history, financing, political environments), nominations (delegate selections and conventions), campaigns (organization, strategy, tactics, media), and the election (votes, policy, reforms). Special attention is given to recent and current presidential and congressional election campaigns.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Understanding Human Institutions and Behaviors"] Course Repeatability: Course may not be repeated.

PLS 209 - Environmental Politics

Course Description:

Role of politics in environmental policy. Topics include the politics of the environmental movement, the environment as a public policy issue, and the development and impact of environmental policy.

Credit Hours: 3 University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated.

PLS 212 - Introduction to Political Theory

Course Description:

Fundamental questions about the nature and purpose of politics as treated by such writers as Plato, Augustine, Locke, Hobbes, and Marx.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

PLS 217 - Ethics and Leadership in Public Life

Course Description:

Exploration of what it means to act responsibly and with integrity in public life in an environment of shared powers and competing values. Case studies, journals, role plays and film are used to illustrate concepts.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

PLS 218 - Ethics in International Affairs

Course Description:

Role of morality in international affairs to explore how states and citizens act responsibly in international public life. Drawing on the traditions of realism, liberalism, and utilitarianism along with the just war tradition, the course examines the ethical implications of issues such as war, terrorism, globalization, and genocide.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in a Global Society"] Course Repeatability: Course may not be repeated.

PLS 220 - Introduction to International Relations

Course Description:

Basic analysis of politics among nations. Role of law, force, and diplomacy in world politics; problems of war, peace, and disarmament.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in a Global Society"] Course Repeatability: Course may not be repeated.

PLS 221 - Model United Nations I - Introduction to United Nations

Issues and Organization

Course Description:

Introduction to United Nations issues and organization. Course focus on active learning through simulation of international diplomacy, speech making, negotiation, and foreign policy development. Course requires travel to a Model United Nations conference, with additional costs for students.

Credit Hours: 3 University Studies: ["Explorations Beyond the Classroom/Certified Internship Program"] Course Repeatability: Course may not be repeated.

PLS 222 - Contemporary International Political Issues

Course Description:

Important international political issues and their impact on the political processes among the nations of the world. Topics are selected from, but not limited to: the role of the United Nations; environmental policy; separatism and nationalism; religious conflict and international order; terrorism; and economic development.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

PLS 230 - Introduction to Comparative Government and Politics

Course Description:

Comparative analysis of political systems in developed, second- and third-world nations, including an examination of the foundations and structures of selected national governments, such as parliamentary and presidential systems, democratic and non-democratic systems.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

PLS 240 - Great Decisions Lecture Series

Course Description:

A series of speaker engagements on international issues deemed presently crucial in international affairs by the Foreign Policy Association. Students will read required articles, attend lectures given by specialists in the field, and engage in discussions in student-led tutorials and break-out sessions.

Credit Hours: 1 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

PLS 250 - Crime in the Cape Fear

Course Description:

Topics relating to crime and punishment in the American legal system as viewed through the lens of the Cape Fear region. Explore a number of solutions to crime in the Cape Fear Region, many of which are unique to the area. Also serves as an introduction to the community and its fabric in the Cape Fear Region.

Credit Hours: 3 University Studies: ["Explorations Beyond the Classroom"] Crosslisting:

CRM 250

Course Repeatability: Course may not be repeated.

PLS 294 - Transnational Politics Study Abroad I

Course Description:

Lower division special topics in political science taken abroad or partially abroad. Course taught by UNCW faculty or as transfer credit from a foreign institution. Course may be repeated under different subtitles.

Credit Hours: 1 To 12 University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

PLS 300 - American Constitutional Law I

Course Description:

Analytical study of U.S. Supreme Court decisions affecting separation of powers and individual rights. The powers of the judicial, executive, and legislative branches of national government; the relationships among these branches; and the federal system.

Credit Hours: 3 Prerequisite Courses:

PLS 101

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated.

PLS 301 - American Constitutional Law II

Course Description:

Analytical study of U.S. Supreme Court decisions affecting separation of powers and individual rights. Individual rights and liberties other than procedural rights of persons involved with the criminal justice system.

Credit Hours: 3 Prerequisite Courses:

PLS 101

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated.

PLS 302 - The Politics of the Supreme Court

Course Description:

Explores the role of Supreme Court in the American political system. Reviews the Court's history, membership, operations, and interactions with the other branches of government and the public. Focuses on the social scientific theories that explain the

behavior of the justices and other individuals associated with the Court.
Prerequisite Courses:
PLS 101
Additional Restrictions/Requirements:
Or permission of instructor.
Course Repeatability: Course may not be repeated.

PLS 303 - Political Behavior

Course Description:
The impact of citizen beliefs and preferences on election outcomes, and the factors that influence political participation. Structured around a critical examination of the assumptions, findings, and interpretations of the major studies of political behavior.
Credit Hours: 3 Additional Restrictions/Requirements:
Sophomore, junior or senior standing or consent of instructor.
University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

PLS 304 - Introduction to Public Policy Analysis

Course Description:
Study of the theories and methods of analyzing and explaining public policy and the substance of recent domestic policies in the areas of public finance and human and physical resources, including welfare, education, protection of the environment, housing, health, urban renewal and transportation.
Credit Hours: 3 Prerequisite Courses:
PLS 101 and PLS 201
Additional Restrictions/Requirements:
Prerequisite courses or consent of instructor.
University Studies: ["Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated.

PLS 305 - The Constitution and the Criminal Justice System

Course Description:
Study of U.S. Supreme Court decisions on rights of suspects, defendants, witnesses, and convicted criminals.
Credit Hours: 3 Prerequisite Courses:
PLS 101
Additional Restrictions/Requirements:
Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

PLS 306 - Politics and Film

Course Description:

Critical examination of the political themes present in film spanning across the major subfields of political science, including American politics, comparative politics, international relations, and political theory. Consideration of the extent to which media accurately portray political phenomena as understood by political scientists and the scholarly literature and analysis of its consequences.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

PLS 307 - The American Legislature

Course Description:

Functional study of legislative bodies and lawmaking. Among the topics studied will be the role of legislatures; the impact of constituencies, parties, interest groups, interpersonal relationships and other pressures on legislators; legislative structure; and the decision-making process.

Credit Hours: 3 Prerequisite Courses:

PLS 101

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated.

PLS 308 - Public Administration

Course Description:

Introduction to public administration in the United States. Nature and scope of public administration, public interest in the administrative process, role of administrators, formal and informal organization, public personnel and financial management.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

PLS 309 - The American Chief Executive

Course Description:

Examination of the concept of a political chief executive as a coordinate member, with legislature and courts, of a government team. Emphasis will be placed on the powers, roles, decision-making processes, and institutional development of the offices of president, governor, and mayor.

Credit Hours: 3 Prerequisite Courses:

PLS 101

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated.

PLS 310 - Legal Philosophy and Jurisprudence

Course Description:

Introduction to the nature, concept and sources of law and the various schools of jurisprudence. Topics treated include natural law; historical, analytical and sociological jurisprudence; idealism; utilitarianism; legal realism; equity, justice, precedent, custom and law; and the relation of law and morality.

Credit Hours: 3 Additional Restrictions/Requirements:

Junior or senior standing or consent of the instructor.

Crosslisting:

PAR 310

Course Repeatability: Course may not be repeated.

PLS 311 - Legal Research and Writing

Course Description:

Students will locate, apply, and analyze law in correct and precise written form. Legal formatting and Bluebook citation will be emphasized. Iterative writing assignments will encourage students to incorporate cohesive revisions leading to critical analysis in objective and persuasive writing. Students will produce a legal memorandum and a court brief while utilizing critical written analysis of the law.

Credit Hours: 3 University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

PLS 312 - Political Analysis

Course Description:

Special topics course focusing on learning political analysis skills relevant to a variety of career paths and practical applications in the fields of political science and public policy. Course topics may include qualitative analysis, quantitative analysis, statistical programming, experimental design, geospatial analysis (GIS), or game theory.

Credit Hours: 3 Prerequisite Courses:

PLS 101 and PLS 201

Additional Restrictions/Requirements:

Prerequisite courses or consent of instructor.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Repeat Limit: 1

PLS 313 - Early Political Thought

Course Description:

Introduction to the origin and development of political theory from the 5th Century B.C. through the medieval era. Emphasis will be placed on the political ideas of

Plato, Aristotle, the Epicureans, the Stoics, Cicero, Augustine, medieval philosophers, and Aquinas in order to discover the recurring themes of political inquiry.

Credit Hours: 3 Prerequisite Courses:

PLS 212

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated.

PLS 314 - Modern Political Thought

Course Description:

Critical examination of political ideas from 1500 to 1900 with special attention to those of Machiavelli, Hobbes, Locke, Rousseau, Montesquieu, Hume, Burke, Hegel, Bentham, Marx, the Mills, Spencer, T.H. Green and Nietzsche.

Credit Hours: 3 Prerequisite Courses:

PLS 212

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated.

PLS 315 - Contemporary Political Ideologies

Course Description:

Ideology and its significance in the modern world. Systematic analysis of the major political ideologies of the 19th and 20th centuries with emphasis on democracy, communism, fascism, nationalism, anarchism, and the New Left.

Credit Hours: 3 Prerequisite Courses:

PLS 212

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated.

PLS 316 - Women in Politics

Course Description:

Introduction to political perspectives on sex role differentiation. Among the topics to be discussed will be political socialization of women in ancient and modern society; women's roles in politics and government; political consequences of women's entry into the work force; and contemporary issues in the women's movement. Emphasis will be placed throughout on comparative political analysis.

Credit Hours: 3 Prerequisite Courses:

PLS 101 or PLS 111

Additional Restrictions/Requirements:

Prerequisite courses or consent of instructor.

Course Repeatability: Course may not be repeated.

PLS 317 - Political Thought of Asia

Course Description:

Recommended: PLS 212 . Critical assessment of philosophical responses to the political, economic, and social challenges faced by the Asian Region. Considers Asian political thought comparatively, addressing recurring issues of politics and community life.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

PLS 327 - Science, Technology, and Innovation Policy

Course Description:

Contemporary issues in the study and critique of science, technology and innovation policy including an overview of dynamics at the interface of science, politics and policy. Topic examples include: public and private spending on research and development (R&D), responsible innovation, governing artificial intelligence, science advice, integrity in science, evidence-based decision making, ethics in intellectual property.

Credit Hours: 3 Additional Restrictions/Requirements:

Junior or Senior standing.

Course Repeatability: Course may not be repeated.

PLS 329 - Ocean and Coastal Law and Policy

Course Description:

National and international laws and policies concerning the ocean. Topics include: fisheries management, marine mammal protection, shipping and navigation, oil and chemical pollution, coastal and wetlands protection, submerged lands, riparian rights, and public access to coastal lands and waters.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

PLS 330 - Political Systems of Africa

Course Description:

Governments and politics of selected sub-Saharan African states. A survey from colonial days to the present with emphasis on contemporary economic, social and political problems.

Credit Hours: 3 Prerequisite Courses:

PLS 230

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated.

PLS 331 - Politics in Developing Nations

Course Description:

Political, economic, and social problems confronting developing nations. Attention will be given to such issues as cultural pluralism, one-party states, military dictatorships, and U.S. relations with the developing world.

Credit Hours: 3 Prerequisite Courses:

PLS 230

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated.

PLS 332 - Politics of Central America

Course Description:

Introduction to core political issues facing the Central American, political history as well as contemporary processes. Students will critically evaluate development and the problems associated with moving from underdeveloped to ""developed"" status.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

PLS 333 - Politics of South America

Course Description:

Politics of South America and the impact of socio-economic forces on the region and its political structures.

Credit Hours: 3 Prerequisite Courses:

PLS 230

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated.

PLS 334 - Revolutionary Movements

Course Description:

Introduction to the social, political, and economic conditions which give rise to radical response. Examines small rebel bands, or militias (commonly referred to as 'guerrilla' movements), and 'terrorist' organizations, as well as large-scale revolutionary movements.

Credit Hours: 3 Prerequisite Courses:

PLS 230

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

University Studies: ["Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated.

PLS 335 - European Political Systems

Course Description:

Political institutions and processes of selected European countries, including Great Britain, France and Germany.

Credit Hours: 3 Prerequisite Courses:

PLS 230

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated.

PLS 336 - Russian and Post-Soviet Political Systems

Course Description:

Comparative study of the political institutions and processes of Russia and the eastern European Countries. Post-Soviet dynamics and the nature and significance of contemporary changes.

Credit Hours: 3 Prerequisite Courses:

PLS 230

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated.

PLS 337 - Chinese Politics

Course Description:

Political system of China with special emphasis on the challenges of development, democracy, and nation-building in the post-1949 period.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

PLS 338 - Political Systems of the Middle East

Course Description:

Governments and politics of the Middle East with emphasis on the changes that have occurred since 1945. A detailed examination of the forces that have shaped contemporary Middle Eastern politics: Islam, nationalism, modernization, and current political trends. The political institutions and processes and the domestic and foreign policies of selected countries will be studied.

Credit Hours: 3 Prerequisite Courses:

PLS 230

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated.

PLS 339 - Asian Politics

Course Description:

Recommended: PLS 230 . Political systems of selected Asian countries. Special emphasis on the challenges of development, democracy, and nation-building in the post-World War II period.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

PLS 340 - The Black Experience in American Politics

Course Description:

American political institutions and processes through the eyes of Black America. This study will analyze the power structure in the black community, dissent and protest, black participation in the political system, black leaders and politicians and their politics, and the uniqueness of black politics as compared with the wider spectrum of the political system.

Credit Hours: 3 Prerequisite Courses:

PLS 101 or consent of instructor.

Course Repeatability: Course may not be repeated.

PLS 341 - Latino Politics

Course Description:

Role of Latino communities in shaping state and national politics in the United States. Latino political empowerment strategies, political representation, the electoral impact of Latino votes, and contemporary public policy issues.

Credit Hours: 3 Additional Restrictions/Requirements:

Sophomore, junior or senior standing or consent of instructor.

University Studies: ["Approaches and Perspectives/Living in Our Diverse Nation"] Course Repeatability: Course may not be repeated.

PLS 342 - Race and Politics in the Americas

Course Description:

Social, political, and economic inequality of racial/ethnic groups in the Americas.

Credit Hours: 3 Additional Restrictions/Requirements:

Sophomore, junior or senior standing or consent of instructor.

Course Repeatability: Course may not be repeated.

PLS 343 - Democratic Transition in the United States

Course Description:

Examination of the process of democratic transition and consolidation in the United States from 1898 to the present. Focus on the comparative analysis of scholarly literature concerning democratic transition and consolidation.

Credit Hours: 3 Prerequisite Courses:

PLS 230 , or permission of instructor,

University Studies: ["Approaches and Perspectives/Living in a Diverse Nation"] Course Repeatability: Course may not be repeated.

PLS 350 - State Government and Politics

Course Description:

Survey and analysis of the organization, functions, and political processes of the American states with an emphasis on North Carolina politics.

Credit Hours: 3 Additional Restrictions/Requirements:

Sophomore, junior or senior standing or consent of instructor.

Course Repeatability: Course may not be repeated.

PLS 351 - Urban Government and Politics

Course Description:

Structure, functions, political processes, problems, and trends in American city and metropolitan government and politics.

Credit Hours: 3 Additional Restrictions/Requirements:

Sophomore, junior or senior standing or consent of instructor.

University Studies: ["Approaches and Perspectives/Living in Our Diverse Nation"] Course Repeatability: Course may not be repeated.

PLS 352 - American Political Culture

Course Description:

Investigation of the elements that contribute to current national political culture, origins, characteristics,and influences on public dialogue and policy.

Credit Hours: 3 Additional Restrictions/Requirements:

Sophomore, junior or senior standing or consent of instructor.

Course Repeatability: Course may not be repeated.

PLS 353 - American Parties and Interest Groups

Course Description:

Historical and analytical treatment of the appearance and realignment of political parties during the five successive 'national party systems' since the beginning of the republic. Special emphasis is given to the question of contemporary party disarray

and potential realignment.
Credit Hours: 3 Additional Restrictions/Requirements:
Sophomore, junior or senior standing or consent of instructor.
University Studies: ["Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated.

PLS 354 - Urban Planning and Policy

Course Description:
Overview of the policies, plans, and regulations that local governments used to shape the physical growth of cities, towns, and suburbs. A range of topics are covered, such as transportation planning, historic preservation, and affordable housing development.
Credit Hours: 3 Additional Restrictions/Requirements:
Sophomore, junior or senior standing or consent of instructor.
Course Repeatability: Course may not be repeated.

PLS 359 - American Policy Development: Politics, Institutions and Theories

Course Description:
Examination of the political events and ideas needed to understand the growth of American government. Study of how the change of institutional power contributed to the growth of government within our federal system. Students produce an empirical/data analysis of an important institutional aspect of American politics.
Credit Hours: 3 University Studies: ["Critical Reasoning"] Course Repeatability: Course may not be repeated.

PLS 360 - Introduction to Nonprofit Management

Course Description:
Covers management fundamentals in the nonprofit sector. Selected topics include governance, human relations, financial management, public relations and fundraising.
Credit Hours: 3 University Studies: ["Explorations Beyond the Classroom/Certified Internship Program"] Course Repeatability: Course may not be repeated.

PLS 361 - Nonprofit Resource Development

Course Description:
Examines the range of ways for nonprofit organizations to raise funds from individuals, government, foundations, and corporations. Major theoretical foundations of fund development, general fundraising principles, donor market segregation, fundraising techniques, and key aspects of managing the fundraising

process.
Credit Hours: 3 University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated.

PLS 362 - Leading and Managing Volunteers

Course Description:

Addresses major issues in the leadership and management of volunteers in the nonprofit and public sectors. Focuses on the two main types of volunteers: service volunteers, and policy volunteers (board members). Topics covered include volunteer recruitment, screening, job design, supervision, recognition, and evaluation.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

PLS 370 - Global Environmental Governance

Course Description:

Explores international environmental negotiations and agreements of global environmental problems regarding overfishing, climate change, deforestation, biodiversity loss, trans-boundary pollutants, and water scarcity. Examines the debate surrounding sustainable development, ecological justice, and conflicts around resource scarcity.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

PLS 401 - Senior Seminar

Course Description:

Capstone course that integrates knowledge from the major subfields in political science through examination of the discipline's relationship to careers and citizenship.
Credit Hours: 3 Additional Restrictions/Requirements:

Senior standing and 30 hours in political science including PLS 101 , PLS 201 , PLS 220 , and PLS 230 , and one of the following: PLS 212 , PLS 310 , PLS 312 , PLS 313 , PLS 314 , PLS 315 , PLS 317 , or PLS 415 .
University Studies: ["Building Competencies/Writing Intensive", "Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated.

PLS 402 - U.S. Immigration Politics

Course Description:

Evolution of immigration policy in the U.S. Experience with various immigration time periods and source countries. Identifies the primary costs and benefits of immigration, with special attention to the policy changes making immigration more difficult over time. Conditions under which immigration increases or decreases,

including the contemporary increase in the rate of illegal immigration.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

PLS 403 - Public Opinion

Course Description:

Origin, content, and policy impact of public opinion in democratic nations. Emphasis on the contemporary American experience and the genesis of mass movements.
Credit Hours: 3 Additional Restrictions/Requirements:

Sophomore, junior or senior standing or consent of instructor.
University Studies: ["Building Competencies/Writing Intensive", "Building Competencies/Information Literacy", "Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated.

PLS 404 - Campaign Management and Strategies

Course Description:

Internal mechanics of political campaigns, major areas of campaign management and strategy, campaign organization, voter contact, campaign research, finance and fund-raising, and communications. Special attention is given to recent and current presidential, congressional, and gubernatorial election campaigns.
Credit Hours: 3 Prerequisite Courses:

PLS 205
Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.
University Studies: ["Building Competencies/Information Literacy", "Explorations Beyond the Classroom/Certified Internship Program"] Course Repeatability: Course may not be repeated.

PLS 405 - Washington D. Seahawks: Experiential Learning in DC

Course Description:

Exploration of career opportunities in Washington, DC, through experiential learning. Utilization of on-campus resources, including the Career Center and the Alumni Association, to plan a trip to Washington, DC, to network with UNCW alumni, political practitioners, and other public affairs professionals. Students are required to participate in the trip to Washington, D.C.
Credit Hours: 3 Additional Restrictions/Requirements:

Permission of Instructor.
University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated.

PLS 406 - Contemporary Southern Politics

Course Description:

Recent developments throughout the American South and their impact on national politics. Topics include southern political culture, the decline of the one-party system, and the changing roles of blacks and organized labor. Emphasis is placed upon independent research projects involving student analysis of census, election return, and public opinion survey data.

Credit Hours: 3 Prerequisite Courses:

PLS 101 and PLS 201

Additional Restrictions/Requirements:

Prerequisite courses or the consent of instructor.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

PLS 407 - Political Psychology

Course Description:

Examination of the leading scholarship in political psychology to investigate critical issues in American politics. After introducing political psychology's history, methods and major themes, course addresses the psychological aspects of campaign politics, public opinion, intergroup relations and leadership.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

PLS 415 - American Political Thought

Course Description:

American political thought from the colonial period to the present.

Credit Hours: 3 Prerequisite Courses:

PLS 212

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated.

PLS 420 - Politics of Nuclear Weapons

Course Description:

Introduction to nuclear weapons policy and strategy with an emphasis on nonproliferation, nuclear security, and nuclear deterrence. Consideration of nuclear weapons technology, why countries seek nuclear weapons, risks to international security, and policy tools deployed to prevent proliferation or use.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

PLS 421 - Causes and Dynamics of Ethnic and Nationalist Conflict

Course Description:

This course introduces students to some of the most intractable and violent conflicts

around the world in order to understand various theoretical approaches that explain the onset and dynamics of ethno-nationalist conflicts.
Credit Hours: 3 University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

PLS 422 - Contemporary American Foreign Policy

Course Description:

Roles and interrelationships of Congress, the media, public opinion, the president, the secretaries and departments of state and defense, and the intelligence community are examined. Emphasis is placed on the content and the dynamic aspects of the process of policy formulation and implementation.
Credit Hours: 3 Prerequisite Courses:

PLS 220

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

PLS 423 - National Security Policy

Course Description:

Formulation of security policy, including the roles of the executive and legislative branches and of non-governmental factors; evolution of changing assumptions, strategies, and goals; the nature of U.S. security requirements, U.S. military commitments abroad, and the cost of strategies based on weapons superiority, arms control, and disarmament.
Credit Hours: 3 Prerequisite Courses:

PLS 220

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

PLS 424 - International Security

Course Description:

Investigates war and conflict at the international level and the different ways in which governments individually or collectively work to address the problem.
Credit Hours: 3 Prerequisite Courses:

PLS 220

University Studies: ["Building Competencies/Writing Intensive", "Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated.

PLS 425 - International Politics

Course Description:

Students are provided with an overview of the current International system and introduced to the theories actors, their interactions, and the norms of the international system. The impact of the law and norms of international relations or international conflict are analyzed and debated.

Credit Hours: 3 Prerequisite Courses:

PLS 220

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

University Studies: ["Building Competencies/Writing Intensive", "Common Requirements/Critical Reasoning"] Crosslisting:

CMR 525

Course Repeatability: Course may not be repeated.

PLS 426 - International Law

Course Description:

Nature, development and basic concepts of international law. Examination of the scope, sources and sanctions of international law; its relation to municipal law; the rights and duties of states and individuals; methods of settling international disputes. Characteristic cases used as illustrations.

Credit Hours: 3 Prerequisite Courses:

PLS 220

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated.

PLS 427 - International Organizations

Course Description:

Survey of the evolution, objectives and methods of various types of regional and universal organizations and their role in contemporary international relations. Special emphasis will be placed on the principal functions and agencies of the United Nations and the European economic community.

Credit Hours: 3 Prerequisite Courses:

PLS 220

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated.

PLS 428 - Global Terrorism

Course Description:

Investigates the phenomenon of terrorism at the international and global level with particular empasis on why terrorism occurs, and on domestic level and international cooperative counterterrorism.

Credit Hours: 3 Prerequisite Courses:

PLS 220

Course Repeatability: Course may not be repeated.

PLS 429 - International Political Economy

Course Description:

Political-economic structures at the international level (trade, finance, and currency) and the impact of the government, business, and human networks that emerge as a result of political-economic interactions between countries.

Credit Hours: 3 Prerequisite Courses:

PLS 220

Course Repeatability: Course may not be repeated.

PLS 430 - Caribbean Politics

Course Description:

Examines the importance of size, the influence of global forces, and the difficulties of unification and coordination in the Caribbean political context.

Credit Hours: 3 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

PLS 434 - Nonprofit Leadership Experience

Course Description:

An engaged learning experience where students learn about nonprofit organizations, acquire useful employment skills and apply them in projects designed by nonprofit organizations in conjunction with the instructor. Students will complete projects developed and needed by nonprofit organizations in the community; and students will meet and interact with members of the UNCW and nonprofit community.

Credit Hours: 3 University Studies: ["Explorations Beyond the Classroom"] Crosslisting:

PLS 534

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

PLS 440 - Great Decisions Leadership Series I

Course Description:

Practicum for a lecture series focused on international affairs. Students will familiarize themselves with international issues through readings and class seminars; then recruit named scholars in the appropriate field; organize logistics for

their travel and accommodations in Wilmington, NC; advertise for the lecture series; and create and maintain website. Students take PLS 441 in the following semester.
Credit Hours: 3 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

PLS 441 - Great Decisions Leadership Series II

Course Description:

Practicum course in leading student tutorials and break-out sessions in selected topics in international affairs. Students will research the various topics, give class seminars, and recruit named scholars and speakers in each of the topics under discussion.

Credit Hours: 1 Prerequisite Courses: PLS 440 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

PLS 463 - International Development

Course Description:

Examines the field of international development including economic development and governance assistance activities with attention to classic theories as well as current debates and innovative approaches.

Credit Hours: 3 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

PLS 464 - Democracy and Authoritarianism

Course Description:

Integrative course focusing on scholarly literature on democracy, authoritarianism, and democratization, with an emphasis on real world examples of regime types and transitions.

Credit Hours: 3 Prerequisite Courses: PLS 230 Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

PLS 491 - Directed Individual Study

Course Description:

Investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.

Credit Hours: 1 To 3 Additional Restrictions/Requirements:

Junior or senior standing, overall GPA of at least 2.00, and consent of instructor, department chair and dean.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be

repeated. Maximum Repeatable Hours: 12

PLS 494 - Transnational Politics Study Abroad II

Course Description:

Upper division special topics in political science taken abroad or partially abroad. Course taught by UNCW faculty or as transfer credit from a foreign institution. Course may be repeated under different subtitles.

Credit Hours: 1 To 12 University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

PLS 495 - Departmental Seminar

Course Description:

Consideration of special topics in political science. May be repeated for additional credit.

Credit Hours: 1 To 3 Additional Restrictions/Requirements:

Six hours of political science and consent of department chairperson.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

PLS 498 - Internship in Political Science

Course Description:

Experiential learning with selected public or private agencies or with an individual which allows the student to utilize academic training while learning from a practical field experience. (Formal research project is a major part of the internship.)

Credit Hours: 3 Prerequisite Courses:

PLS 101 and PLS 201 and (PLS 300 or PLS 304 or PLS 308)

Additional Restrictions/Requirements:

Prerequisite courses, junior or senior standing, overall 3.00 GPA or consent of instructor.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12 Repeat Limit: 1 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:

Additional Course Fee Schedule

Major Restriction: Political Science Minor Restriction: Pre-Law

PLS 499 - Honors Work in Political Science

Course Description:

Individual study for honors students.

Credit Hours: 2 To 3 Additional Restrictions/Requirements:

Junior or senior standing and eligibility for honors program.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

PRT 101 - Introductory Portuguese I

Course Description:

Emphasis on the achievement of an active command of the language. Aural-oral practice; intensive study of the basic patterns of spoken Portuguese; reading, writing, and basic conversation. For students with one unit or less of high school Portuguese.

Credit Hours: 3 University Studies: ["Foundations/Foreign Language"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

PRT 102 - Introductory Portuguese II

Course Description:

Emphasis on the achievement of an active command of the language. Aural-oral practice; intensive study of the basic patterns of spoken Portuguese; reading, writing, and basic conversation.

Credit Hours: 3 Prerequisite Courses: PRT 101 University Studies: ["Foundations/Foreign Language"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

PRT 201 - Intermediate Portuguese I

Course Description:

A review of the grammatical structure of the language, application of the language in composition, conversation and readings.

Credit Hours: 3 Prerequisite Courses: PRT 102 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

PRT 202 - Intermediate Portuguese II

Course Description:

The second course in a two-course sequence. Please see PRT 201 for description.

Credit Hours: 3 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

PRT 211 - Contemporary Issues in the Portuguese World: Translated Topics

Course Description:

Brazilian, Portuguese, Luso-African and/or Asian popular and folk cultures, media and contemporary issues, visual and performing arts. Study of newspapers, magazines, blogs, films, TV, music clips, gallery exhibitions, art criticism, and more. Readings, class requirements and discussions in English.

Credit Hours: 3 Prerequisite Courses:

Consent of instructor.

University Studies: ["Approaches and Perspectives/Living in a Global Society"] Course

Repeatability: Course may be repeated.

PRT 212 - World Portuguese Literatures in Translation: Topics

Course Description:

Representative works from the Brazilian, Portuguese, Luso-African and/or Asian literatures. Readings, class requirements, and discussions in English.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives"] Course Repeatability: Course may be repeated.

PRT 291 - Introductory Research

Course Description:

Study and investigation of Portuguese/Brazilian Studies under faculty supervision.

Credit Hours: 1 To 3 Additional Restrictions/Requirements:

For Portuguese/Brazilian Studies minors only. Overall GPA of at least 2.00, sophomore standing, and consent of instructor and department chair.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 3

PRT 294 - Study Abroad I

Course Description:

Lower-division level of special topics related to issues in the Portuguese-speaking world to be taken abroad from UNCW faculty or as transfer credit. Course may be repeated under different content/titles.

Credit Hours: 1 To 6 University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

PRT 301 - Portuguese Reading and Writing

Course Description:

Reading practice and techniques through exposures to texts from various sources and according to prompts of diverse Portuguese writing genres. Improvement of text understanding, analysis, production, and further development of vocabulary, writing, and oral communication skills.

Credit Hours: 3 Prerequisite Courses:

PRT 202 or placement by exam.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

PRT 302 - Portuguese Conversation

Course Description:

Practice of conversation of everyday Portuguese to improve understanding, vocabulary, fluency, and communication. Introduces students to topics on the Portuguese World's societies and cultures.

Credit Hours: 3 Prerequisite Courses:

PRT 202 or equivalent.
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

PRT 394 - Portuguese/Brazilian Studies Study Abroad II

Course Description:

Junior-level designation for non-UNCW courses offered by a department abroad.
Credit Hours: 1 To 6 University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated.

PRT 491 - Directed Individual Portuguese/Brazilian Studies

Course Description:

Study and investigation of Portuguese/Brazilian Studies under faculty supervision.
Credit Hours: 1 To 6 Additional Restrictions/Requirements:

For minors only. Overall GPA of at least 2.00, junior or senior standing, and consent of instructor, department chair and dean.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

PSY 105 - General Psychology

Course Description:

Principles of psychology with emphasis on scientific methods used in studying human behavior.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Understanding Human Institutions and Behaviors"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

PSY 106 - Psychology as a Science and Career

Course Description:

Introduction to the scientific method of inquiry and to the application of psychological knowledge and methods using human behavior as a focus.
Credit Hours: 2 Prerequisite Courses:

Prerequisite or corequisite: PSY 105 .
University Studies: ["Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 2

PSY 210 - Science and Pseudoscience

Course Description:

Examination of bases for scientific and pseudoscientific claims to knowledge. Considers criteria for description and explanation in science; uses these criteria to differentiate between areas that are scientific and those whose claims to be scientific are questionable. Evaluates areas such as parapsychology and astrology. Emphasizes use of critical thinking skills.

Credit Hours: 3 University Studies: ["Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

PSY 211 - Perception and Cognition

Course Description:

Survey of major phenomena, methods, and theories associated with the study of perception and cognition. Topics include sensory systems, perceptual processes, attention, memory, knowledge, decision-making, and problem solving.

Credit Hours: 3 Prerequisite Courses: PSY 105 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

PSY 217 - Learning and Behavior Change

Course Description:

Basic principles of conditioning, learning, and behavior change. Topics will include and introduction to classical and operant conditioning and the applications experimentally discovered principles to psychological interventions, as well as other fields such as education, business, and health.

Credit Hours: 3 Prerequisite Courses: PSY 105 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

PSY 220 - Child Psychology

Course Description:

Human psychological development through childhood and early adolescence. Normal development is emphasized.

Credit Hours: 3 Prerequisite Courses: PSY 105 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

PSY 221 - Adolescent Psychology

Course Description:

Human psychological development from late childhood through adolescence. Normal development is emphasized.

Credit Hours: 3 Prerequisite Courses: PSY 105 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

PSY 223 - Life Span Human Development

Course Description:

Variables and factors underlying human growth and development across the life span. Physical, cognitive, social, emotional, and sexual developments are emphasized.

Credit Hours: 3 Prerequisite Courses: PSY 105 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

PSY 225 - Introductory Statistics for the Behavioral Sciences

Course Description:

Introduction to the statistical techniques most often used by behavioral scientists for either descriptive purposes or hypothesis testing. Parametric techniques are emphasized, but nonparametric tests are included.

Credit Hours: 6 Prerequisite Courses:

PSY 105 and (MAT 101 or higher [excluding MAT 105 , MAT 141 , and MAT 142], STT 210 , or STT 215) and (BIO 105 , BIO 140 , BIO 201 , BIO 202 , or BIO 240 with corresponding lab)

Additional Restrictions/Requirements:

Class is restricted to students with Sophomore standing (or above).

University Studies: ["Critical Reasoning"] Course Repeatability: Course may not be repeated. Major Restriction: Psychology

PSY 245 - Drugs and Behavior

Course Description:

Psychological aspects of drug use and abuse. Emphasis on the effects of major psychoactive drugs (including alcohol) on behavior, the psychological determinants of drug use, and treatment of drug abuse.

Credit Hours: 3 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

PSY 246 - Psychology of Personality

Course Description:

Overview of the theoretical models underlying the structure and organization of individual differences. Emphasis on empirical research evaluation the different theoretical models. Topics include the self-concept, awareness of motivation, perceived control, and the biological mechanisms influencing traits such as extraversion.

Credit Hours: 3 Prerequisite Courses: PSY 105 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

PSY 247 - Abnormal Psychology

Course Description:

An introduction to the symptoms and sequelae of behavioral disorders and major theories of the science of psychopathology or abnormal psychology.

Credit Hours: 3 Prerequisite Courses: PSY 105 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

PSY 256 - Brain and Behavior

Course Description:

An introductory survey of the functional anatomy of the nervous system and the roles which various neural systems play in normal and abnormal behavior.

Credit Hours: 3 Prerequisite Courses:

PSY 105 and (BIO 105, BIO 140+BIOL 140, BIO 201, BIO 202, or BIO 240+BIOL 240)

Additional Restrictions/Requirements:

Prerequisite courses or consent of the instructor.

University Studies: ["Approaches and Perspectives/Scientific Approaches to the Natural World"]

Course Repeatability: Course may not be repeated.

PSY 257 - Evolutionary Psychology

Course Description:

Consideration of the evolution and adaptive significance of behavior in humans, including such topics as mate selection, parental care, cognition, language, altruism, aggression, warfare, and creativity.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

PSY 264 - Social Psychology

Course Description:

Individual human behavior as a function of the influence of other persons. Emphasis on the psychology of person perception, interpersonal communication and relationships, attitude formation and change, and small group behavior.

Credit Hours: 3 Prerequisite Courses: PSY 105 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

PSY 265 - Human Sexual Behavior

Course Description:

Psychological aspects of human sexuality with emphasis on psychosexual development and behavior. Includes discussion of causative factors and treatment of sexual disorders and deviations.

Credit Hours: 3 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

PSY 270 - Cross-Cultural Psychology

Course Description:

Psychological study of the impact of culture on behavior. Topics including cultural effects on perception, cognition, personality, emotions, development, and mental health will be examined. Emphasis on application of cultural frames of reference to

living in a global society.
Credit Hours: 3 Prerequisite Courses: PSY 105 University Studies: ["Approaches and Perspectives/Living in a Global Society"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

PSY 271 - Psychology of Human Diversity

Course Description:
The contribution of psychology to the understanding of diversity in our society. Biopsychosocial aspects of diversity and methods of increasing understanding and inclusiveness will be emphasized. The psychological nature of stereotyping, discrimination, and prejudice will be examined.
Credit Hours: 3 Prerequisite Courses: PSY 105 University Studies: ["Approaches and Perspectives/Living in Our Diverse Nation"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

PSY 275 - Forensic Psychology

Course Description:
Investigation of psychological factors relevant to the legal system including: eyewitness identification and false memories, confessions, jury decision making, the insanity defense and mental health law, expert psychological testimony in court, criminal profiling, risk management, treatment of the mentally ill in corrections.
Credit Hours: 3 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

PSY 291 - Introductory Research

Course Description:
Laboratory and computational research under faculty supervision beyond what is offered in existing courses.
Credit Hours: 1 To 3 Additional Restrictions/Requirements:
Freshmen, sophomore, junior or senior standing and consent of instructor and department chair.
University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 4

PSY 306 - Psychology of Race and Racism

Course Description:
Examination of the construction and development of race and racial bias in the United States from a psychological lens. Topics include the processes that underlie and motivate racial bias and how race and racism are maintained through social institutions and cultural ideologies. Scientifically-based means of addressing and

reducing racism are considered.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in Our Diverse Nation"]
Course Repeatability: Course may not be repeated.

PSY 316 - Applied Behavior Analysis for Behavior Technicians

Course Description:

Introduction to the methods and practice of applied behavior analysis as performed by registered behavior technicians (RBTs), typically with individuals diagnosed with learning and/or intellectual disabilities receiving services from certified behavior analysts. Topics include measurement, assessment, skill acquisition, behavior reduction, documentation and reporting, professional conduct and ethics, and score of practice.
Credit Hours: 3 Prerequisite Courses:

PSY 217

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

PSY 317 - Applied Behavior Analysis: Challenging Behavior

Course Description:

Extension of the principles of learning and behavior analysis to socially significant human issues, focusing on the assessment and treatment of behavior in need of reduction and related ethical considerations. Topics include preference and reinforcer assessment, functional assessments, and function-based interventions. Areas of application include education, developmental and intellectual disabilities, health, and caregiver training.
Credit Hours: 3 Prerequisite Courses:

PSY 217

Course Repeatability: Course may not be repeated.

PSY 318 - Applied Behavior Analysis: Skill Acquisition

Course Description:

Extension of the principles of learning and behavior analysis to socially significant human issues, focusing on the assessment and treatment of behavioral deficits. Topics include differential reinforcement, shaping, stimulus control, chaining, verbal behavior, habit reversal, and token economies. Areas of application include education, developmental and intellectual disabilities, and other diverse populations.
Credit Hours: 3 Prerequisite Courses:

PSY 217

Course Repeatability: Course may not be repeated.

PSY 319 - Ethical Issues in Applied Behavior Analysis

Course Description:

Ethics of behavioral assessment, treatment, and research. Topics include APA and BACB Ethical Principles, codes of conduct, responsibility to clients, confidentiality, assessing and treating behavior, supervision, public statements, and ethical responsibilities to colleagues and the profession of behavior analysis.

Credit Hours: 3 Prerequisite Courses:

PSY 317

Course Repeatability: Course may not be repeated.

PSY 320 - Psychology of Infancy and Early Childhood

Course Description:

An in-depth examination of development from conception through kindergarten age. Both normal and a typical development are considered from a biopsychosocial perspective. Methodological and theoretical issues are emphasized.

Credit Hours: 3 Prerequisite Courses: PSY 220 or PSY 223 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

PSY 322 - Developmental Psychopathology

Course Description:

The psychological disorders of childhood, including their description, etiology, assessment, and treatment. Emphasis on the theoretical and empirical bases of these disorders, focusing on relevant clinical research methods and treatment findings.

Credit Hours: 3 Prerequisite Courses: PSY 247 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

PSY 324 - Psychology of Aging

Course Description:

A study of the psychological aspects of human aging. Topics include the effects of normal and diseased aging on perceptual and cognitive functioning, personality and social relationships, and physical and emotional health.

Credit Hours: 3 Prerequisite Courses: PSY 220 or PSY 221 or PSY 223 Additional Restrictions/Requirements:

Prerequisite courses or consent of the instructor.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

PSY 325 - Introduction to Computational Modeling for the Social Scientist

Course Description:

Introduction to basic programming aimed at the social sciences. Designed for

students with little or no programming experience. Topics include data analysis, computer modeling, computational neuroscience, political forecasting, and similar computational approaches.
Credit Hours: 3 Prerequisite Courses:
PSY 225 or permission of instructor.
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

PSY 334 - Buddhism and Modern Psychology

Course Description:
Examination of parallels between naturalistic, non-religious, aspects of Buddhist theory and numerous aspects of modern psychology, including evolutionary psychology, neuroscience, cognitive psychology, learning theory, and moral psychology.
Credit Hours: 3 Prerequisite Courses:
PSY 105 .
Course Repeatability: Course may not be repeated. Additional Course Fees: ["None"]

PSY 336 - Industrial-Organizational Psychology

Course Description:
Psychological techniques in job analysis, personnel selection and placement, training, performance appraisal, employee motivation, employee health and satisfaction, organizational productivity and communication, group decision making, and leadership.
Credit Hours: 3 Prerequisite Courses: PSY 246 or PSY 264 Additional Restrictions/Requirements:
Prerequisite courses or consent of instructor.
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

PSY 347 - Positive Psychology

Course Description:
In depth examination of the scientific study of human strengths and virtues. Processes associated with well being among individuals, systems, and institutions are examined. Distinctions between models of well being are drawn and principles that promote and sustain happiness, fulfillment and optimal functioning are explored.
Prerequisite Courses:
PSY 247
Course Repeatability: Course may not be repeated.

PSY 352 - Health Psychology

Course Description:
Integrates psychological and biomedical knowledge relevant to physical health and

illness. The interaction of psychological phenomena with the epidemiology, etiology, pathogenesis, treatment, and rehabilitation of physical disorders.
Credit Hours: 3 Prerequisite Courses: PSY 246 or PSY 264 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

PSY 355 - Introduction to Experimental Psychology

Course Description:

Basic principles of psychological research design and evaluation, including techniques of data collection and analysis, and conduct, interpretation, and reporting of various types of psychological research. Experimental research is emphasized.
Credit Hours: 6 Prerequisite Courses:

PSY 225

University Studies: ["Building Competencies/Writing Intensive", "Building Competencies/Information Literacy", "Critical Reasoning"] Course Repeatability: Course may not be repeated.

PSY 356 - Motivation and Emotion

Course Description:

Psychological theory and research in the areas of motivation and emotion. Basic as well as more complex motive states are examined as they arise from physiological needs and from learning and cognitive processes. Data from animal as well as human studies are considered.
Credit Hours: 3 Prerequisite Courses: PSY 256 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

PSY 365 - Psychology of Race and Racism

Course Description:

Examination of the construction and development of race and racial bias in the United States from a psychological lens. Topics include the processes that underlie and motivate racial bias and how race and racism are maintained through social institutions and cultural ideologies. Scientifically-based means of addressing and reducing racism are considered.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in Our Diverse Nation"] Course Repeatability: Course may not be repeated.

PSY 366 - Psychology of Close Relationships

Course Description:

Personality development within close relationships including recent theoretical and empirical findings on courtship, interpersonal attraction, marriage contract, and the various stages of the family life cycle. Communication, familial functioning and

dysfunctioning are emphasized.
Credit Hours: 3 Prerequisite Courses: PSY 264 or PSY 246 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

PSY 370 - Environmental Psychology

Course Description:
Interactions between the physical environment and the behavior of the individual. Emphasis on perception of the environment, the behavioral effects of noxious factors in the environment, the psychology of environmental design, and the formation and change of attitudes about the environment.
Credit Hours: 3 Prerequisite Courses: PSY 105 and (PSY 246 or PSY 264 or EVS 195)
Crosslisting:
EVS 370 [Inactive]
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

PSY 375 - Criminal Minds

Course Description:
Examination of violent criminals and the social, personality-based, criminological, and biological explanations for violent offenders. Emphasis on efforts to identify and predict violent offenders, such as criminal profiling.
Credit Hours: 3 Prerequisite Courses:
PSY 105 or permission of instructor
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

PSY 405 - History and Systems Of Psychology

Course Description:
History of psychology relative to current trends.
Credit Hours: 3 Additional Restrictions/Requirements:
Fifteen semester hours credit in psychology.
University Studies: ["Building Competencies/Writing Intensive", "Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

PSY 410 - Advanced Cognitive Psychology

Course Description:
Advanced study of human cognition with an emphasis on theories and experimental methods. Laboratory work focuses on in-depth exploration of classic cognitive phenomenon, as well as experience in designing, conducting, and interpreting cognitive research.
Credit Hours: 6 Prerequisite Courses:

PSY 211 and PSY 355 .
University Studies: ["Building Competencies/Writing Intensive", "Building Competencies/Information Literacy", "Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated.

PSY 412 - Sensation and Perception

Course Description:
Advanced study of sensory and perceptual processes, techniques for measuring sensations and perceptions, and theories of perception. Direct exploration of the topic through experimentation as well as reading of primary sources. Demonstrations introduce students to interesting perceptual phenomena.
Credit Hours: 6 Prerequisite Courses:
PSY 211 and PSY 355 .
University Studies: ["Building Competencies/Writing Intensive", "Building Competencies/Information Literacy", "Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated.

PSY 416 - Adult Development and Life Transitions

Course Description:
A course in human development. An exploration of the major normative and nonnormative changes that take place during adulthood. Operating from a lifespan perspective, includes examination of how adults initiate, understand, cope with and resolve life transitions (e.g. parenting, loss, illness, career change, relationships, change.)
Credit Hours: 3 Prerequisite Courses: PSY 220 or PSY 221 or PSY 223 or PSY 320 or PSY 324
University Studies: ["Explorations Beyond the Classroom"] Crosslisting:
PSY 516
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

PSY 417 - Advanced Learning and Behavior Analysis

Course Description:
Advanced study of the empirical and conceptual principles of learning and behavior analysis and of the applications of these principles. Students help design and implement laboratory experiments, collect and analyze data, and communicate findings via oral presentations and laboratory reports. Students typically have hands-on laboratory experiences, including supervised, direct interactions with nonhumans.
Credit Hours: 6 Prerequisite Courses:
PSY 217 and PSY 355
University Studies: ["Building Competencies/Writing Intensive", "Building

Competencies/Information Literacy", "Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated.

PSY 419 - Applied Behavior Analysis Practicum

Course Description:

Supervision of student practice in applied behavior analysis in a variety of clinical programs. Students participate in supervised experiences related to behavioral assessment and interventions for children diagnosed with learning and/or intellectual disabilities who display problematic behavior and/or experience deficits in feeding, social, or communication skills. Emphasis on practice of skills and regular consultation with the supervisor.

Credit Hours: 3 Prerequisite Courses:

PSY 217 , and PSY 317 or PSY 316

Additional Restrictions/Requirements:

Permission of instructor.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

PSY 423 - Advanced Developmental Psychology

Course Description:

Advanced study of human development, including developmental research methods and a consideration of topics in the general areas of physical, cognitive, and socioemotional development. The specific developmental period examined (e.g., childhood, adolescence, adulthood) will vary by semester.

Credit Hours: 6 Prerequisite Courses:

(PSY 220 or PSY 221 or PSY 223) and PSY 355 .

University Studies: ["Building Competencies/Writing Intensive", "Building Competencies/Information Literacy", "Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated.

PSY 425 - Psychometrics

Course Description:

Introduction to theories and research related to the practice of psychological test construction, including a survey of intelligence, achievement and personality tests, and laboratory experience demonstrating development and applications of these tests.

Credit Hours: 6 Prerequisite Courses:

(PSY 246 or PSY 264 or PSY 247) and PSY 355 .

University Studies: ["Building Competencies/Writing Intensive", "Building Competencies/Information Literacy", "Common Requirements/Critical Reasoning"] Course

Repeatability: Course may not be repeated.

PSY 445 - Chemical Dependency

Course Description:

Theory, method and research in the study of substance abuse. Advanced consideration of the causes, consequences and treatments of the major addictive disorders.

Credit Hours: 3 Prerequisite Courses: PSY 245 and PSY 355 Crosslisting:

PSY 545

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

PSY 449 - Psychology of Death and Dying

Course Description:

Psychological aspects of death and dying. Conceptualizations of and behavior toward one's own demise. Emphasis on the behavioral context surrounding terminal illness, suicide, and homicide. Psychological aspects of gerontology also considered.

Credit Hours: 3 Prerequisite Courses: PSY 220 or PSY 221 or PSY 223 Additional Restrictions/Requirements:

Prerequisite courses or consent of instructor.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

PSY 450 - Theories of Counseling and Psychotherapy

Course Description:

Advanced discussion of the major historical and contemporary theories and empirically supported approaches to psychotherapy. Ethical and legal issues in psychotherapy are also emphasized.

Credit Hours: 3 Prerequisite Courses: PSY 247 and (PSY 246 or PSY 264) Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

PSY 451 - Supervised Counseling Practice

Course Description:

Supervision of student practice in application of counseling skills and techniques in a variety of in-service situations. Students participate in supervised counseling experiences in local social service agencies. Emphasis on practice of skills and regular consultation with the supervisor.

Credit Hours: 3 Prerequisite Courses:

PSY 246 or PSY 264 , PSY 247 , and PSY 450 .

Additional Restrictions/Requirements:

Prerequisite courses and consent of instructor.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Repeat Limit: 1 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

PSY 455 - Advanced Psychological Research

Course Description:

Experience in the design, conduct, and evaluation of psychological research. Advanced design and analysis techniques. Each student designs and conducts a research project and a laboratory exercise for PSY 355 . Offered on demand.

Credit Hours: 3 Prerequisite Courses: PSY 355 Additional Restrictions/Requirements:

Prerequisite course and consent of instructor.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

PSY 456 - Advanced Biological Psychology

Course Description:

Advanced anatomy of the nervous system and the roles that various neural structures play in the control of behavior.

Credit Hours: 3 Prerequisite Courses:

PSY 256 and (BIO 105 or BIO 201)

Additional Restrictions/Requirements:

Prerequisite courses or consent of instructor. Students may not take this course if they have received credit for PSY 459 .

Course Repeatability: Course may not be repeated.

PSY 457 - Animal Behavior

Course Description:

Animal behavior including the traditional areas of ethology and comparative psychology. Primary emphasis is upon the similarities and differences in the behaviors of animals occupying various phylogenetic positions.

Credit Hours: 3 Prerequisite Courses:

PSY 256 or PSY 257 or BIO 105 or BIO 202

Additional Restrictions/Requirements:

Prerequisite courses or consent of instructor.

Course Repeatability: Course may not be repeated.

PSY 459 - Advanced Brain and Behavior

Course Description:

Advanced study of the nervous system and the roles of the various neural structures in the control of behavior. As part of the course, students help design and implement laboratory experiments, collect and analyze data, and communicate findings via oral

presentations and written reports.
Credit Hours: 6 Prerequisite Courses:
PSY 256 and PSY 355 .
Additional Restrictions/Requirements:
Students may not take this course if they have received credit for PSY 456 .
University Studies: ["Building Competencies/Writing Intensive", "Information Literacy", "Critical Reasoning"] Course Repeatability: Course may not be repeated.

PSY 464 - Advanced Social and Personality Psychology

Course Description:
Advanced study of the major concepts of social and personality psychology theory and research. Emphasis on the interaction of personality and situation in determining behavior and a social cognitive perspective in explaining social information processing.
Credit Hours: 6 Prerequisite Courses:
(PSY 246 or PSY 264) and PSY 355
University Studies: ["Building Competencies/Writing Intensive", "Building Competencies/Information Literacy", "Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated.

PSY 465 - Community Psychology

Course Description:
Contributions of psychology to the understanding of an individual's behavior as influenced by the community environment. Emphasis on problems associated with community mental health.
Credit Hours: 3 Prerequisite Courses: PSY 246 or PSY 264 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

PSY 491 - Directed Individual Study

Course Description:
Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the
Depending on their interests and abilities, UNCW students may choose from several kinds of special courses and programs to individualize and otherwise enrich their studies.

- This course, designated as 491 in each department, involves investigation beyond what is offered in existing courses. To enroll in a Directed Individual Study, students must be a junior or senior. Additionally, students must have an overall grade point average of at least 2.00 and the approval of (1) the faculty member who will direct the study, (2) the departmental chairperson, and (3) the appropriate dean.

Departmental criteria will include (1) the availability of the instructor (instructors may only supervise a limited number of independent studies each semester), (2) the appropriateness of and need for the proposed study in the student's program, (3) the availability of library and other research resources, and (4) the feasibility of completion of the proposed study in the allotted time. Students are limited to nine credit hours of Directed Individual Study toward graduation requirements.

- Several departments within the College of Humanities, Social Sciences, and the Arts and the professional schools offer field experience courses as part of their semester or summer programs. Participating students conduct individual or group research under faculty guidance at selected areas within and outside the continental United States. Apart from the greater Wilmington area, field experience courses have been conducted in such places as the Florida Keys, Barbados, the Bahamas, Portugal, and parts of Central and South America.

- Raymond L. Burt, *coordinator*
  The German Studies Consortium links participating UNC institutions to facilitate the sharing of teaching and learning resources to enhance German Studies across The University of North Carolina system. This consortium offers a broad array of German Studies courses in the language, literature, and culture of the German-speaking countries taught by specialists in the field. The primary focus is on the sharing of upper-level German classes offered each semester on the North Carolina Information Superhighway. Participant universities include Appalachian State University, East Carolina University, North Carolina State University, the University of North Carolina at Asheville, the University of North Carolina at Charlotte, the University of North Carolina at Greensboro, University of North Carolina Wilmington, and Western Carolina University. For course details, visit the UNC Online Exchange.

- Regina Felix, *coordinator*
  The Portuguese Exhange links participating UNC institutions to facilitate the sharing of teaching and learning resources to enhance Portuguese language and Portugurese and Brazilian Studies across the University of North Carolina system.

This exchange offers courses in the language, literature, and culture of the Portuguese-speaking countries taught by specialists in the field. Participant universities include Appalachian State University, North Carolina State University, the University of North Carolina Asheville, the University of North Carolina at Chapel Hill, the Unversity of North Carolina at Charlotte, the University of North Carolina Wilmington, and Winston Salem State University. For course details, visit the UNC Online Exchange.

- Dave Graber, *coordinator*
  The Russian Studies Consortium links participating UNC institutions to facilitate the sharing of teaching and learning resources to enhance Russian Studies across The University of North Carolina system. This consortium offers a broad array of Russian Studies courses in the language, literature, history, film, society, and culture in the Russian-speaking countries, which can be taught in the target language and/or in translation by specialists with credentials in Russian Studies. The primary goal focuses on the sharing of elementary, intermediate, and upper level Russian Studies classes offered each semester as well as summer session courses on the North Carolina Information Superhighway and/or fully online. Participant universities include Appalachian State University, East Carolina University, North Carolina State University, The University of North Carolina at Charlotte, The University of North Carolina at Greensboro, and The University of North Carolina Wilmington. Courses are offered through the UNC Online Exchange.

- Raymond L. Burt, UNCW *coordinator*
  The UNC Language Assembly is a cooperative of the language departments of all 17 campuses of the UNC System, and serves the UNC System and the State of North Carolina by supporting the foreign language programs at the constituent institutions and by seeking to offer a wide diversity of foreign language choices to the students at all the UNC campuses. Students are not required to pay tuition at the other campus, since UNCW tuition applies to these courses as well. Courses are taught online or through videoconference technology. Students can directly enroll in language classes offered by campuses through the UNC Online Exchange.

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https://uncw.edu/myuncw/academics/graduate-school/forms

Graduate Courses Taken for Undergraduate Credit

Graduate courses at UNCW or other accredited institutions may be used to fulfill undergraduate requirements if approved by the course instructor, student's department chair, undergraduate dean, and the dean of the Graduate School. All other transfer credit policies apply. Permission forms may be obtained on the Graduate School forms page under the "Undergraduate Registration for Graduate Courses" section at https://uncw.edu/myuncw/academics/graduate-school/forms.

Graduate Course Taken as an Undergraduate to Later Apply to a Graduate Degree

Undergraduate students who wish to take graduate courses and later receive graduate credit for them must fill out a Docusign to obtain permission in advance from the course instructor, student's department chair and undergraduate dean, and the Graduate School for approval. Graduate courses taken under this provision may not be used to fulfill undergraduate degree requirements. Permission forms may be obtained on the Graduate School form page under the "Undergraduate Registration for Graduate Courses"
section https://uncw.edu/myuncw/academics/graduate-school/forms.

Credit for Approved Combined Degree Programs

Graduate courses used to fulfill an undergraduate degree requirement at UNCW may be applied to a graduate degree only when taken as part of an approved combined degree program. Courses applied toward an awarded degree may not be applied to a second degree except as described by specific degree programs.

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https://www.uncw.edu/global/
The Office of Global Partnerships and International Education is comprised of three units: Education Abroad, English Language Center, and the Office of International Students & Scholars.

Education Abroad

UNCW offers more than 800 education abroad opportunities in more than 50 countries. Options available include coursework taken abroad, international internships for academic credit, credit-bearing service-learning experiences, academic research, and virtual global learning opportunities. UNCW provides education abroad opportunities to suit nearly every major and credit earned through international programs may be applied towards a UNCW degree. Financial aid may be used in conjunction with education abroad programs and scholarships are available. Students may select from short-term and summer programs, as well as semester, year-long and two-year dual degree options.
All applications for any credit-bearing program abroad must be made through the Office of Global Partnerships and International Education.
UNCW students who study abroad retain their active UNCW student status and will not have to re-enroll upon return.
Eligibility requirements include:

- 18 years of age at the time of participation
- Good disciplinary standing
- 2.5+ cumulative grade point average
- Sophomore+ status (select programs are open to first-year students)
- Any program-specific requirements

- Several programs in the College of Humanities, Social Sciences, and the Arts, College of Science and Engineering, College of Education, College of Health and Human Services, and the Cameron School of Business offer students the opportunity to earn academic credit within a work environment external to the program. The purpose of the internship experience is to enhance, supplement, and integrate the learning that occurs in formal classroom settings. Permission of the dean and program offering the internship is required to enroll, and the program places limits on the number of credit hours earned applicable toward graduation. Internships designated by a 498 number will be graded on a Pass (P), Fail (F) basis. These credit hours earned will count towards the number of hours required to graduate, but the grade of Pass (P) will be excluded from the computation of the GPA. For further information on internships, refer to the courses numbered 498 in the course listings and then contact the departments offering them.

- The North Carolina Child Welfare Education Collaborative is a university-agency partnership that ensures a quality work force in child welfare settings. The educational goal of this program is to directly address the workforce need for social workers in child welfare settings. Administered by the Jordan Institute for Families, the collaborative includes North Carolina social work education programs, the NC Division of Social Services, the NC Association of County Directors of Social Services and the NC Chapter of the National Association of Social Workers. Educating, training, and supporting current and future social workers in child welfare meets the goal of strengthening families and protecting children. The collaborative offers focused educational courses, training and field experience in child welfare agencies. Participating universities include Appalachian State University, University of North Carolina at Chapel Hill, East Carolina University, North Carolina State University, Joint Masters of Social Work Program at University of North Carolina at Greensboro and North Carolina Agricultural and Technical State University, and University of North Carolina Wilmington.

- The Reverse Transfer Program is a collaborative effort between North Carolina's Community Colleges and the University of North Carolina's 16 constituent institutions. Students who transfer to UNC Wilmington from one of the 58 North

Carolina community colleges are given the opportunity to combine the credits earned at UNCW with credit already earned at the community college to determine if the associate degree requirements have been met. Students have the opportunity to opt-in to this program at the time of admission as a transfer student. There is no cost to participate. For more information, contact the Office of the Registrar.
Eligibility: Students must have earned at least 16 college-level credit hours at one community college applicable towards their degree, to be eligible to participate. After earning a total of 60 combined credits, the student's UNCW records will be sent back to their previous community college for evaluation. The community college will contact students via their UNCW email, with further details, if the Associate degree is awarded.

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Several UNCW courses employ service-learning opportunities. Service learning is an innovative method of teaching and learning that combines thoughtfully organized service to the community with other means of instruction. Community service-projects are integrated into and enhance the academic curriculum of students, fitting naturally into the philosophy and pedagogy of a variety of disciplines and fostering civic responsibility. Both students and the community benefit from service learning. Service-learning courses have several strengths, not the least of which is that they are adaptable to the needs of the community while providing structured time for the students to reflect on the service experience.

section in this catalogue.
Credit Hours: 1 To 3 Additional Restrictions/Requirements:
Junior or senior standing, overall GPA of at least 2.00, and consent of instructor, department chair and dean.
University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 9 Repeat Limit: 2

PSY 495 - Topical Seminar

Course Description:
Discussion of selected topics in psychology. May be repeated for additional credit.
Credit Hours: 1 To 3 Prerequisite Courses: PSY 105 Additional Restrictions/Requirements:
Prerequisite course and consent of instructor.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

PSY 499 - Honors Work in Psychology

Course Description:

Independent work for honors students.

Credit Hours: 2 To 3 Additional Restrictions/Requirements:

Senior standing and eligibility for honors program.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

PBH 105 - Explorations in Public Health

Course Description:

Please enter a description.

Lab:

General introduction to public health and how it interfaces with science and politics. Addresses the connectivity of public health and healthcare. The 3 P's of public health: prevent, protect and promote, and the roles of personal and social determinants of health are covered utilizing current public health events and initiatives. Partially satisfies University Studies II: Approaches and Perspectives/Understanding Human Institutions and Behaviors.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

PBH 234 - Introduction to Health Promotion and Education

Course Description:

Introduction to the field of Health Education/Promotion. History and philosophy of health education and the theoretical foundations are covered. The roles and responsibilities and typical settings in which Certified Health Education Specialists are employed are covered as well as the ethical principles that guide the profession.

Credit Hours: 3 Additional Restrictions/Requirements:

Minimum passing grade "C-" or above required in each PBH course to progress in the program. Open to PBH majors only.

Crosslisting:

HEA 234 .

Course Repeatability: Course may not be repeated.

PBH 290 - Foundations of Public Health

Course Description:

An overview of the public health profession with emphasis on the foundations of public health such as definitions, history, philosophy, ethics, evidence-based principles, and determinants of health.

Credit Hours: 3 Additional Restrictions/Requirements:

Minimum passing grade of "C-" or above required in each PBH course to progress in

the program. Open to PBH majors only.
Course Repeatability: Course may not be repeated.

PBH 294 - Undergraduate Public Health Study Abroad I

Course Description:

This course provides Public Health undergraduate study abroad opportunities.
Credit Hours: 1 To 6 University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

PBH 295 - Public Health Practice

Course Description:

This course will examine public health practice and the role of B.S.- prepared public health professionals within the public health workforce. Students will examine the use of needs and community asset assessments in planning, implementing and evaluating public health programs. Grant writing skills will be introduced and case studies will be utilized to connect classroom instruction to real world examples of public health.
Credit Hours: 3 Additional Restrictions/Requirements:

Minimum passing grade of "C-" or above required in each PBH course to progress in the program. Open to PBH majors only.
Course Repeatability: Course may not be repeated.

PBH 299 - Introduction to Biostatistics

Course Description:

This course will introduce students to fundamental concepts in biostatistics and will guide students through real-world applications of biostatistics to public health problems. Topics covered will include descriptive statistics (i.e., measures of central tendency and variability), measures of extent of disease (i.e., prevalence, incidence, relative risk, risk difference, and odds ratio), probability, (e.g., measures of sensitivity and specificity), confidence intervals, hypothesis testing, sample size determination, and multivariable methods.
Credit Hours: 3 Additional Restrictions/Requirements:

Minimum passing grade "C-" or above required in each PBH course to progress in the program. Open to PBH majors only.
University Studies: ["Foundations/Mathematics and Statistics"] Course Repeatability: Course may not be repeated. Major Restriction: PBH

PBH 300 - Program Planning & Evaluation Methods for Health Promotion

Course Description:

Comprehensive health promotion program planning and evaluation that emphasizes assessment, community engagement, and intervention selection. Specifically, the course will examine health promotion program planning and evaluation models, needs and assets assessments, measurement, instrument development, reliability/validity assessments, measurement error, and process, impact, and outcome evaluation.

Credit Hours: 3 Prerequisite Courses:

PBH 234 with a minimum grade of C-.

Additional Restrictions/Requirements:

Open to Public Health majors with a Community Health Education or Global Health concentration. Minimum passing grade of "C-" or above required in each PBH course to progress in the program.

Course Repeatability: Course may not be repeated. Major Restriction: Public Health

PBH 305 - Program Planning

Course Description:

Comprehensive program planning will be examined. Students will follow general information and design specific operational details related to rationale for the program, promoting the program to decision makers, components of the program, and program evaluation. The final program plan will be field-ready for implementation.

Credit Hours: 3 Prerequisite Courses:

PBH 234 with a minimum grade of "C-".

Additional Restrictions/Requirements:

Minimum passing grade of "C-" or above required in each PBH course to progress in the program. Open to PBH majors only.

University Studies: ["Building Competencies/Writing Intensive"] Crosslisting:

HEA 305 .

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

PBH 310 - Social and Behavioral Determinants of Health

Course Description:

An overview of social and behavioral concepts related to public health with specific emphasis on behavioral theory and evidence-based practice. Examines the integration of health behavior, health theories and health promotion.

Credit Hours: 3 Additional Restrictions/Requirements:

Minimum passing grade of "C-" or above required in each PBH course to progress in the program. Open to PBH majors only.

Course Repeatability: Course may not be repeated.

PBH 315 - Health Program Implementation

Course Description:

Focus on implementation methods used in community and public health education. An overview of health education methods. Specific strategies for implementing health education for individuals and groups, coalition building, advocacy and policy change.

Credit Hours: 3 Prerequisite Courses:

PBH 234 and PBH 300 with a minimum grade of "C-" in each course.

Additional Restrictions/Requirements:

Minimum passing grade of "C-" or above required in each PBH course to progress in the program. Open to PBH majors only in Community Health Education or Global Health concentrations.

Course Repeatability: Course may not be repeated. Major Restriction: Public Health

PBH 320 - Foundations of Global Health

Course Description:

Overview of health around the world. The class will explore contemporary issues, problems, and controversies in global health and identify key global health challenges, their distributions, and prevention strategies.

Credit Hours: 3 Additional Restrictions/Requirements:

Minimum passing grade of "C-" or above required in each PBH course to progress in the program. Open to PBH majors only.

University Studies: ["Building Competencies/Information Literacy"] Crosslisting:

HEA 320 .

Course Repeatability: Course may not be repeated.

PBH 351 - Health Communication

Course Description:

Contemporary health communication issues will be studied including communication strategies, models, and theories that enhance the delivery of public health programs in various settings. Micro-level and macro-level applications emphasized.

Credit Hours: 3 Additional Restrictions/Requirements:

Minimum passing grade of "C-" or above required in each PBH course to progress in the program.

Crosslisting:

HEA 351 .

Course Repeatability: Course may not be repeated.

PBH 352 - Intercultural Communication in Global Health

Course Description:

This course will examine basic concepts and principles of effective intercultural communication. This course addresses the concept that culture plays a large role in shaping each individual's health-related values, beliefs, and behaviors, and impacts decision making regarding seeking care and/or treatment. This course will develop students' intercultural communication skills needed to address global health disparities, both in international and domestic settings.

Credit Hours: 3 Additional Restrictions/Requirements:

Minimum passing grade of "C-" or above required in each PBH course to progress in the program. Open to Public Health majors with a Global Health concentration.

Course Repeatability: Course may not be repeated. Major Restriction: Public Health; Public Health Studies

PBH 353 - Patient Communication in Healthcare

Course Description:

This course will examine the complexities of health communication with an applied health professional focus. Within the course, students will develop communication skills needed to initiate and maintain interpersonal and interprofessional relationships with patients, families, and other providers.

Credit Hours: 3 Additional Restrictions/Requirements:

Minimum passing grade of "C-" or above required in each PBH course to progress in the program. Open to Public Health majors with a Pre-Clinical concentration.

Course Repeatability: Course may not be repeated. Major Restriction: Public Health

PBH 354 - Aging and Communication

Course Description: This course explores how communication practices shape the lifelong aging process, focusing on life's middle and later years. The course will focus on the messages, social interactions, relationships, media, and communication technologies that influence the experience of aging. The course examines the intersections of aging and communication processes in intergenerational relationships, families, long-term marriages, media depictions of aging, communities, healthcare systems, and the workplace. The course will examine normal age-related changes to communication systems. Specifically, it will focus on age-related language, cognition, and social communication changes. Neurological cognitive-communicative disorders (e.g., aphasia, and dementia), which are often associated with aging, will also be discussed. Students will learn theories of aging and communication, read current research, and apply class concepts to improve their understanding of and relationships with older adults. Students will work with a local community agency for the final project. Field hours will be required. Credit Hours: 3 Course

Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3 Repeat Limit: 0 Major Restriction: Public Health or Gerontology

PBH 355 - Evaluation Methods

Course Description:

Prepares health professionals to conduct programmatic measurement and evaluation, including psychometric, statistical, political, and public health perspectives. The course includes measurement, steps in instrument development, reliability/validity assessment, measurement errors, and process evaluation.

Credit Hours: 3 Prerequisite or Corequisite Courses:

PBH 315 with a minimum grade of "C-".

Prerequisite Courses:

PBH 305 with a minimum grade of "C-".

Additional Restrictions/Requirements:

Minimum passing grade of "C-" or above required in each PBH course to progress in the program. Open to PBH majors only.

Crosslisting:

HEA 355

Course Repeatability: Course may not be repeated.

PBH 359 - Research Methods in Public Health

Course Description:

Designed to familiarize students with the fundamental principles, underlying research, and evaluative methods in public health. Focus will be on types of research design, sampling methodologies, statistical analysis, interpretation of results, scholarly writing, and critical evaluation of research conclusions.

Credit Hours: 3 Prerequisite Courses:

PBH 299 with a minimum grade of "C-".

Additional Restrictions/Requirements:

Minimum passing grade of "C-" or above required in each PBH course to progress in the program. Open to PBH majors only.

University Studies: ["Building Competencies/Writing Intensive; Information Literacy"] Crosslisting:

HEA 359 .

Course Repeatability: Course may not be repeated.

PBH 395 - Health Promotion Practice

Course Description:

This course will examine various settings where health education and promotion efforts may be delivered, including: community based organizations, governmental

public health agencies, schools, worksites, and higher education campuses. Students will be exposed to a variety of topics that are commonly addressed in these settings, including (but not limited to): drug and alcohol education, nutrition, injury and violence prevention, chronic disease prevention and management, relationship and sexual health, and emotional health and wellbeing. The course will emphasize ethical practices and inclusivity in the practical application and delivery of professional health education and promotion efforts.
Credit Hours: 3 Prerequisite or Corequisite Courses:
PBH 300 with a minimum grade of "C-".
Prerequisite Courses:
PBH 234 with a minimum grade of "C-".
Additional Restrictions/Requirements:
Minimum passing grade of "C-" or above required in each PBH course to progress in the program. Open to Public Health majors with a Community Health concentration.
Course Repeatability: Course may not be repeated. Major Restriction: Public Health

PBH 400 - Health Ethics Policy and Law

Course Description:
Overview of the ethical, political, and legal implications that influence public health. Emphasis on current public healthcare issues and policies.
Credit Hours: 3 Additional Restrictions/Requirements:
Minimum passing grade of "C-" or above required in each PBH course to progress in the program. Open to PBH majors only.

University Studies: ["Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated.

PBH 401 - Foundations of Environmental Health

Course Description:
Overview of assessment, control, prevention, and safety of human health from environmental and occupational risk factors. Topics include pollution wastes, toxic metals, pesticides, radiation, vector borne diseases, and occupational injuries and stressors. Emphasizing deleterious effects of industrialization on developing countries, effects of globalization, and the rise of the environmental justice movement.
Credit Hours: 3 Additional Restrictions/Requirements:
Minimum passing grade of "C-" or above required in each PBH course to progress in the program. Open to PBH majors only; or consent of instructor.

Course Repeatability: Course may not be repeated.

PBH 435 - Public Health Organization and Administration

Course Description:

Focuses on the basic tools necessary to become effective managers and leaders in public health organizations. The main components and issues related to development and managing organizations, financing and delivery of health services will be discussed.

Credit Hours: 3 Additional Restrictions/Requirements:

Open to Public Health majors only.

Crosslisting:

HEA 435

Course Repeatability: Course may not be repeated.

PBH 452 - Epidemiology

Course Description:

Epidemiology overview and history; distributions of disease by time, place and person; association and causality; epidemiological study designs; population and attributable risk; sensitivity, specificity and screening; public health practice and prevention; special issues in infectious and noninfectious disease epidemiology.

Credit Hours: 3 Prerequisite Courses:

PBH 359 with a minimum grade of "C-".

Additional Restrictions/Requirements:

Minimum passing grade of "C-" or above required in each PBH course to progress in the program. Open to PBH majors only.

University Studies: ["Building Competencies/Information Literacy", "Building Competencies/Writing Intensive"] Crosslisting:

HEA 452 .

Course Repeatability: Course may not be repeated. Major Restriction: PBH

PBH 491 - Directed Individual Study

Course Description:

Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.

Credit Hours: 1 To 3 Additional Restrictions/Requirements:

Junior or senior standing, overall GPA of at least 2.00, and consent of instructor, department chair and dean.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 9

PBH 494 - Undergraduate Public Health Study Abroad II

Course Description:

This course provides Public Health advanced undergraduate study abroad opportunities.

Credit Hours: 1 To 6 Additional Restrictions/Requirements:

Instructor approval

Course Repeatability: Course may be repeated.

PBH 495 - Pre-Internship Professional Seminar

Course Description:

The Pre-Internship Professional Seminar is designed as the last step of the Public Health program before students complete Internship and Capstone and prepare to enter the workforce. Designed to be taken the semester prior to PBH 496 Capstone and PBH 497 Internship, this class focuses on developing professionalism and skills necessary to secure an internship and a job post graduation.

Credit Hours: 3 Additional Restrictions/Requirements:

Instructor approval required. Minimum passing grade of "C-" or above required in each PBH course to progress in the program. Open to PBH majors only.

Course Repeatability: Course may not be repeated. Major Restriction: PBH

PBH 496 - Capstone in Public Health

Course Description:

This course is designed to integrate and synthesize what has been covered in the other PBH courses as well as develop soft skills related to motivational interviewing and cultural humility. The course provides a culmination of learning experiences through a final project.

Credit Hours: 3 Corequisite Courses:

PBH 497 with a minimum grade of "C-".

Prerequisite Courses:

PBH 495 with a minimum grade of "C-".

Additional Restrictions/Requirements:

Minimum passing grade of "C-" or above required in each PBH course to progress in the program. Open to PBH majors only; senior standing; and instructor approval.

Course Repeatability: Course may not be repeated. Major Restriction: Public Health; Public Health Studies

PBH 497 - Internship in Public Health

Course Description:

Supervised internship placement in the community. Applies theory to practical application in public health. Requires 120-360 hours of supervised fieldwork, depending on concentration.

Credit Hours: 3 to 9 Corequisite Courses:

PBH 496 with a minimum grade of "C-".

Prerequisite Courses:

PBH 495 with a minimum grade of "C-".

Additional Restrictions/Requirements:

Minimum passing grade of "C-" or above required in each PBH course to progress in the program. Open to PBH majors only; senior standing; 2.5 GPA; and instructor approval.

University Studies: ["Explorations Beyond the Classroom/Certified Internship Program"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 9 Major Restriction: Public Health; Public Health Studies

PBH 499 - Honors Work in Public Health

Course Description:

Independent study for honor students.

Credit Hours: 2 To 3 Additional Restrictions/Requirements:

Senior standing and eligibility for honors program.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

REC 265 - Leisure and Society

Course Description:

An introduction to leisure as a significant force in contemporary life. The importance of leisure for individuals, groups and cultures is explored through social, technological, psychological, historical, philosophical, anthropological, and economic foundations.

Credit Hours: 3 Additional Restrictions/Requirements:

Open to REC majors and minors or consent of instructor.

University Studies: ["Approaches and Perspectives/Understanding Human Institutions and Behaviors"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

REC 266 - Computers, Research and Evaluation in Recreation

Course Description:

Computer applications in recreation service and introduction to research and

evaluation procedures. Includes the use of computers in the conduct of research and evaluation.
Credit Hours: 3 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

REC 270 - Program Planning and Leadership

Course Description:
An introduction to recreation program planning, including: needs assessments, organization, implementation, and evaluation of leisure services.
Credit Hours: 3 Additional Restrictions/Requirements:
Appropriate major or minor, or consent of instructor.
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

REC 294 - Undergraduate Tourism, Recreation, and Sport Study Abroad I

Course Description:
This course provides Tourism, Recreation, and Sport undergraduate study abroad opportunities.
Credit Hours: 1 To 6 University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated.

REC 330 - Excellence in Service Quality

Course Description:
Principles of managing and delivering excellent service quality tourism, hospitality, and recreational organizations or agencies. Emphasis on how to design a service plan, formulate service design, develop a service culture, and organize service delivery and recovery.
Credit Hours: 3 Prerequisite Courses:
REC 375
Additional Restrictions/Requirements:
REC majors and minors only or by permission of instructor.
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

REC 348 - Practicum in Recreation Services

Course Description:
Supervised practicum in a recreation setting. Relates theory to practical application in the field. Placements chosen from community, commercial, outdoors or therapeutic settings. Requires a minimum of 100 hours of field work.
Credit Hours: 3 Prerequisite Courses:
REC 265 and (REC 270 or RTH 368)

Additional Restrictions/Requirements:

REC majors and minors only or permission of instructor.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link: Additional Course Fee Schedule

REC 359 - Research and Evaluation in Tourism, Recreation, and Sport

Course Description:

Designed to familiarize students with fundamental principles underlying research methods. Included are basic procedures for conducting experimental, descriptive, historical, qualitative research, computer applications, basic measurement, statistical methods, critical thinking, and scholarly writing.

Credit Hours: 3 Prerequisite Courses:

REC 265 .

University Studies: ["Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

REC 362 - Special Issues in Recreation, Sport Leadership and Tourism Management

Course Description:

Field methods/techniques through on-site interaction with recreation, sport or tourism professionals and/or natural resource managers and observation of practical management activities and strategies. Extensive field trips and field immersion required.

Credit Hours: 1 To 6 Prerequisite Courses: REC 265 Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

REC 366 - Coastal Recreation Resource Management

Course Description:

An in-depth study of coastal legislation, resources, issues and management. Special attention is given to understanding recreation in the coastal zone, conflicts among competing coastal resource users, and current issues pertaining to North Carolina's coastal environment.

Credit Hours: 3 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

REC 370 - Tourism and Health

Course Description:

Examination of key components relating tourism and health. Covers concepts including tourism wellness and quality of life, medical tourism, disease and travel, impact of tourism on the health of communities, and the role of tourism operators to promote healthy travel.

Credit Hours: 3 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

REC 371 - Heritage Tourism

Course Description:

Heritage is an important part of tourism. This course will introduce students to key concepts and issues in heritage tourism, and will critically address topics such as heritage tourism resources, the politics of heritage tourism, and the relationship between heritage and authenticity.

Credit Hours: 3 Course Repeatability: Course may not be repeated

REC 372 - Foundations of Public, Nonprofit, & Community Recreation

Course Description:

Compare and contrast philosophical perspectives of public, non-profit and community recreational management, investigate resource allocations, discuss the historical relevance of each sector, investigate social, environmental, and economic trends within each sector, and introduce professional organizations at all levels.

Credit Hours: 3 Prerequisite Courses:

REC 265 , REC 270 .

Course Repeatability: Course may not be repeated. Major Restriction: REC

REC 373 - Outdoor Rec and Protected / Conservation Areas

Course Description:

This class will examine the historical and philosophical foundations of protected and conservation areas; provide an overview of the types of resources and services generally included in protected and conservation areas and best practices for their management; consider trends in outdoor recreation participation and the related demands placed upon protected and conservation areas; and introduce students to several professional outdoor recreation organizations.

Credit Hours: 3 Prerequisite Courses:

REC 265 , REC 270 .

Additional Restrictions/Requirements:

Restricted to REC majors.

Course Repeatability: Course may not be repeated. Major Restriction: REC

REC 374 - Recreational Management of Parks

Course Description:

An overview of the techniques associated with the planning, development, management, and interpretation of private and public lands for recreational purposes. The course examines the relationships between recreation visitors, the resource base, and management policies both domestically and internationally.

Credit Hours: 3 Prerequisite Courses:

REC 265 , REC 270 .

Course Repeatability: Course may not be repeated. Major Restriction: REC

REC 375 - Leadership and Management in Tourism, Recreation, and Sport

Course Description:

Principles and practices of contemporary leisure service management, particularly the effective and efficient management of human, fiscal, informational, and physical resources through planning, organizing, directing, leading, and controlling decisions. Tutorials, case studies, and computer applications.

Credit Hours: 3 Prerequisite Courses:

REC 265 and REC 270 .

Additional Restrictions/Requirements:

REC majors and minors only or permission of instructor.

University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

REC 380 - Marketing for Tourism, Recreation, and Sport

Course Description:

Development of marketing plans and strategies for recreation, sport and tourism industries. Emphasis on analyzing the marketing process and planning the marketing mix.

Credit Hours: 3 Additional Restrictions/Requirements:

REC majors and minors only or permission of instructor.

University Studies: ["Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

REC 381 - Meetings, Expositions, Special Events and Conventions

Course Description:

An overview of the convention, exposition, meeting, and convention and visitors

bureau industries and the career options within; provision of an essential understanding of the components involved in the operation of successful meetings, conventions, and special events.
Credit Hours: 3 Additional Restrictions/Requirements:
REC majors and minors only or permission of instructor.
Course Repeatability: Course may not be repeated. Major Restriction: REC Minor Restriction: REC

REC 384 - Popular Culture & Tourism

Course Description:
This course explores the many ways in which popular culture influences tourism and considers the underlying concepts that are common to many popular culture-influenced tourism experiences.
Credit Hours: 3 Prerequisite Courses:
REC 265 , REC 270 .
Additional Restrictions/Requirements:
Restricted to REC majors.
Course Repeatability: Course may not be repeated. Major Restriction: REC

REC 385 - Heritage Tourism

Course Description:
This course will introduce students to key concepts and issues in heritage tourism, and will critically address topics such as heritage tourism resources, the politics of heritage tourism, and the relationship between heritage and authenticity.
Credit Hours: 3 Prerequisite Courses:
REC 265 , REC 270 .
Additional Restrictions/Requirements:
Restricted to REC majors.
Course Repeatability: Course may not be repeated. Major Restriction: REC

REC 390 - Pre-Internship Seminar

Course Description:
Preparation for the internship experience with emphasis on development of professional behaviors that facilitate internship and career success. Instruction methods include readings, discussions, individual and group activities, and use of electronic media.
Credit Hours: 1 Additional Restrictions/Requirements:
Junior and senior standing, REC majors only, or consent of instructor.
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 1

REC 391 - Sport, Culture and Society

Course Description:

An examination of the role of sport in contemporary American society, and how sport is linked to the structure and dynamics of social organizations. The impact of sports on culture, specifically: values, ethics, race, gender, discrimination, economics and the media will be studied.

Credit Hours: 3 Prerequisite Courses:

REC 265

Additional Restrictions/Requirements:

Open only to students within the REC major and minor or by permission of instructor.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

REC 392 - Organization and Leadership of Recreational Sports

Course Description:

Emphasis on the development of practical leadership skills, provided in a framework for understanding leadership dynamics. Evaluation and assessment of various leadership methods and techniques. Field work required.

Credit Hours: 3 Prerequisite Courses: REC 265 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

REC 393 - Campus Recreation and Sports Administration

Course Description:

Introduction to the multi-faceted recreational offerings provided by campus recreation departments, including planning, programming, administration, and the function of campus recreation. Field work required.

Credit Hours: 3 Prerequisite Courses:

REC 265

Additional Restrictions/Requirements:

REC majors and minors only or by permission of instructor.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

REC 394 - Recreational Sports and Fitness Facility Operations

Course Description:

Examination of key issues in recreational facility organization and management including facility operation, administration, and program promotion within a facility. Emphasis on supervision, maintenance, and operation of leisure areas and facilities. Field work required.

Credit Hours: 3 Prerequisite Courses:

REC 265

Additional Restrictions/Requirements:

REC majors and minors only or by permission of instructor.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

REC 395 - Instructional Methods in Recreational Sports

Course Description:

Skills and concepts needed to successfully organize, lead, teach, and coach recreational sport participants. Field work required.

Credit Hours: 3 Prerequisite Courses:

REC 265

Additional Restrictions/Requirements:

REC major and minors only.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

REC 396 - Leisure, Health, and Wellbeing

Course Description:

Examination of how recreation, parks and leisure contribute to the health and wellbeing of individuals, families, communities, and societies.

Credit Hours: 3 Prerequisite Courses:

REC 265 , REC 270 .

Additional Restrictions/Requirements:

Restricted to REC majors.

Course Repeatability: Course may not be repeated. Major Restriction: REC

REC 397 - Collegiate and Professional Sport Management

Course Description:

This course serves as an overview to the field of sport management and provides an opportunity for the exploration of effective management strategies and the body of knowledge associated with pursuing a career in sport management, specifically within professional and collegiate sport settings. Content will focus on the history, leadership, marketing, facility and event management, and financial principles within professional and collegiate sport. Additionally, topics specific to professional sport will cover communications, analytics, sales, sponsorships and licensing, while collegiate sport concepts will focus on governing bodies, compliance and Title IX, academics and eligibility, media relations, alumni relations and support services.

Credit Hours: 3 Prerequisite Courses:

REC 265 , REC 270 .

Additional Restrictions/Requirements:

Restricted to REC majors.
Course Repeatability: Course may not be repeated. Major Restriction: REC

REC 440 - Risk Management and Liability in Recreation Services

Course Description:
Examination of legal and legislative issues affecting the leisure delivery system in governmental, quasi-public, private, commercial, and institutional settings. Topics include terminology, risk management procedures, ordinances, regulatory law, licensing, legal redress, and constitutional law at the national and state levels.
Credit Hours: 3 Prerequisite Courses:
REC 375
Additional Restrictions/Requirements:
REC majors and minors only or permission of instructor.
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

REC 448 - Advanced Field Experience in Recreation, Sport Leadership and Tourism Management

Course Description:
Advanced field placement experience specifically in a recreation, sport leadership or tourism setting. Course may be taken more than once; however, students are limited to six credit hours toward graduation. Course cannot be used as a substitute for content course. Field work required.
Credit Hours: 1 To 6 Prerequisite Courses:
REC 348
Additional Restrictions/Requirements:
REC majors and minors only or permission of instructor.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

REC 450 - Conflict and Organizational Politics in Recreation, Sport and Tourism

Course Description:
An experiential approach to the study of conflict management and organizational politics in recreation, sport and tourism leadership and administration. Emphasis on organizational politics, governing boards, and conflict resolution.
Credit Hours: 3 Prerequisite Courses:
REC 375
Additional Restrictions/Requirements:
REC majors and minors only or permission of instructor.
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

REC 451 - Travel and Tourism

Course Description:

A description of the key components that make a global tourism designation a success: traveler's motivation, theories of behavior, planning, development, and forecasting supply and demand. Students also learn about the delicate and sensitive relationship tourism has with its surrounding social, natural, and coastal environment.

Credit Hours: 3 Prerequisite Courses:

REC 375

Additional Restrictions/Requirements:

REC majors and minors only or permission of instructor.

University Studies: ["Approaches and Perspectives/Living in a Global Society"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

REC 452 - Hospitality Management Operations

Course Description:

Analysis and evaluation of the operations behind management within the tourism and hospitality industries, specifically within food and beverage, transportation providers, attractions, tour operators and specialized tour segments such as the cruise industry and gaming.

Credit Hours: 3 Additional Restrictions/Requirements:

Open only to students in the REC major and minor or with permission of instructor.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

REC 453 - Hotel and Lodging Management

Course Description:

Decision making, analysis and process improvement in managing the major divisions of a lodging establishment.

Credit Hours: 3 Prerequisite Courses:

REC 375

Additional Restrictions/Requirements:

REC majors and minors only or permission of instructor.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

REC 454 - International Meeting Planning

Course Description:

The organization and production of international corporate meetings, seminars, events, and conferences using innovative and creative programs. It focuses on international planning considerations including organizing and/or hosting

international events, managing finances internationally, cultural differences, international contracting, marketing, traveling overseas, and safety and security.
Credit Hours: 3 Prerequisite Courses:

REC 381

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

REC 465 - Recreation Facilities Planning and Design

Course Description:

Basic principles of planning and developing recreation areas and facilities. Emphasis on land use, current planning practices and standards, and facility design.
Credit Hours: 3 Prerequisite Courses: REC 375 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

REC 475 - Advanced Human Resource Management in Recreation

Course Description:

Examination and investigation of contemporary human resource management principles and techniques in the management of recreation services. Human resource management motivational theories and practices. In-depth case study analysis, simulations, and hands-on practical experiences.
Credit Hours: 3 Prerequisite Courses:

REC 375

Additional Restrictions/Requirements:

REC majors and minors only or permission of instructor.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

REC 476 - Budgeting and Finance in Tourism, Recreation, and Sport

Course Description:

This course investigates basic economic principles behind managing finances and budgets in recreation, sport and tourism settings. Particular attention will be applied to revenue generation, specifically via grant writing, and creating and managing budgets.
Credit Hours: 3 Prerequisite Courses:

REC 375 .

Additional Restrictions/Requirements:

REC majors and minors only or consent of instructor.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

REC 491 - Directed Individual Study

Course Description:

Please enter a description.

Credit Hours: 1 To 3 Prerequisite Courses:

REC 375

Additional Restrictions/Requirements:

REC majors and minors only, overall GPA of at least 2.0, junior or senior standing, and consent of instructor, school director and college dean.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

REC 494 - Study Abroad in Recreation, Sport Leadership and Tourism Management

Course Description:

An interdisciplinary introduction to recreation, sport leadership and tourism management field methods and investigation in foreign countries. Focused study on recreation, sport and/or tourism management issues and problems specific to host country on local, regional, and global scales. Course integrates field and classroom instruction.

Credit Hours: 1 To 6 Additional Restrictions/Requirements:

Consent of instructor.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

REC 495 - Seminar in Recreation

Course Description:

A culmination of study in the field of recreation. Discussion of selected topics concerning current issues and trends in the profession.

Credit Hours: 3 Prerequisite Courses: REC 375 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

REC 498 - Internship in Tourism, Recreation, and Sport

Course Description:

Program planning and administration in a tourism, recreation, and sport setting. A minimum of 480 hours and 12 consecutive weeks of fieldwork are required.

Credit Hours: 12 Additional Restrictions/Requirements:

REC major, senior standing and an overall 2.00 grade point average, completion of all other courses required for the major, and consent of instructor, school director and college dean.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be

repeated. Maximum Repeatable Hours: 12 Additional Course Fees: ["Additional Fee - Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

REC 499 - Honors Work in Recreation, Sport Leadership and Tourism Management

Course Description:

Independent study for honors students.

Credit Hours: 2 To 3 Additional Restrictions/Requirements:

REC major or minor, eligibility for honors program and senior standing.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

REC 303 - Recreation for Everyone

Course Description:

This course explores the various social and cultural factors that shape the management and operation of recreation, sport, and tourism organizations. Students will examine topics such as social identities, bias, common terminology, and the dynamics of power and influence within organizations and communities. Through discussions and case studies, the course will encourage students to develop a broader perspective on workplace and community interactions while enhancing their ability to work effectively with all individuals.

Credit Hours: 3 Prerequisite Courses:

REC 265 and REC 270.

Additional Restrictions/Requirements:

REC majors and minors only or permission of instructor.

University Studies: ["Approaches and Perspectives/Living in Our Diverse Nation"] Course Repeatability: Course may not be repeated.

RTH 265 - Introduction to Recreation Therapy

Course Description:

This course is designed to introduce students to the field of recreation therapy. Definitions of recreation therapy, historical and professional development of recreation therapy services, allied disciplines, settings for service delivery, the recreation therapy process, disability etiquette, and populations are covered.

Credit Hours: 3 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3 Repeat Limit: 1 Major Restriction: RTH

RTH 286 - Assistance Dog Training I

Course Description:

Introduction of all aspects, roles and functions of assistance dogs in society and specifically to individuals with physical, neurological, psychiatric or emotional disabilities. Assistance dogs will be attending class on a regular basis. Service learning hours are required.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in Our Diverse Nation"]

Course Repeatability: Course may not be repeated.

RTH 287 - Assistance Dog Training II

Course Description:

Students learn stage one training for assistance dogs, which includes assistance and therapy dogs, through hands-on demonstration and practice. Assistance and other dogs will be attending class on a regular basis. Service learning hours required.

Credit Hours: 3 Prerequisite Courses:

RTH 286 with C- or better

Additional Restrictions/Requirements:

Prerequisite course and consent of instructor.

Course Repeatability: Course may not be repeated.

RTH 290 - Facility Dog Training

Course Description:

Introduction to the implementation of animal assisted interventions (AAI) utilizing highly-trained facility dogs. Emphasis will be on the selection and preparation of a facility dog to include topics of the: human animal bond, appropriate placement/screening of dog and facility, and the utilization of these dogs with multiple populations. Facility dogs and their handlers will be attending class on a regular basis.

Credit Hours: 3 Prerequisite Courses:

RTH 286 with a C- or better and RTH 287 with a C- or better

Additional Restrictions/Requirements:

Prerequisite courses or permission of Instructor.

Course Repeatability: Course may not be repeated. Additional Course Fees: ["Additional Fee - Liability Insurance"]

RTH 294 - Recreation Therapy Study Abroad I

Course Description:

This course provides Recreation Therapy undergraduate study abroad opportunities.

Credit Hours: 1 To 6 University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated.

RTH 295 - Special Topics in Recreation Therapy

Course Description:

Intensive study of selected topics of special interest in recreation therapy not covered in existing courses.

Credit Hours: 1 To 3 Additional Restrictions/Requirements:

Instructor approval

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 9 Repeat Limit: 2

RTH 303 - Inclusive Recreation Services

Course Description:

Designed to increase the awareness of and sensitivity to the recreation and leisure needs of persons with disabilities. Specific attention is given to programmatic and administrative strategies for inclusive services in a variety of recreation settings.

Credit Hours: 3 Additional Restrictions/Requirements:

RTH, REC and RST majors and minors only or consent of instructor.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

RTH 348 - Practicum in Recreation Therapy

Course Description:

Supervised practicum in a health care or human service setting providing services to people with disabilities or illnesses. Relates theory to practical application in the field. Requires a minimum of 100 hours field work.

Credit Hours: 3 Prerequisite Courses:

RTH 265 with a C- or better.

Additional Restrictions/Requirements:

Permission of instructor.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

RTH 362 - Special Issues in Recreation Therapy

Course Description:

Field methods/techniques through on-site interaction with recreation therapy professionals and observation of evidenced-based intervention and/or management strategies and activities. Extensive field work required. Students are limited to 6 credit hours toward graduation.

Credit Hours: 1 To 6 Prerequisite Courses: RTH 368 Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

RTH 368 - Foundations of Recreation Therapy

Course Description:

This course will provide students with an understanding of the foundational elements key to the provision of quality recreation therapy services and overall recreation therapy service delivery. The following concepts will be explored in-depth: scope of service; service delivery models; social psychology theories; theories of play; recreation and leisure; therapeutic alliance; cultural competency; strengths-approach, and ethics.

Credit Hours: 3 Prerequisite or Corequisite Courses:

RTH 265 with a C - or better.

Additional Restrictions/Requirements:

Prerequisite or corequisite course or consent of instructor.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

RTH 370 - Recreation Therapy in Physical Rehabilitation

Course Description:

Etiology, functional and health implications of physically disabling conditions; selection of interventions; safety considerations pertinent to planning and delivery of recreation therapy services.

Credit Hours: 3 Prerequisite or Corequisite Courses:

RTH 368 with a C- or better.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

RTH 372 - Recreation Therapy in Behavioral Health

Course Description:

Etiology, functional, and health implications of developmental disabilities; sensory impairments; and conditions related to emotional and behavioral health; selection of recreation therapy interventions; safety considerations pertinent to planning and delivery of recreation therapy services.

Credit Hours: 3 Prerequisite or Corequisite Courses:

RTH 368 with a C- or better.

University Studies: ["Approaches and Perspectives/Living in Our Diverse Nation"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

RTH 375 - Recreation Therapy Processes and Techniques

Course Description:

This course will provide students a comprehensive overview and knowledge of processes and techniques used by recreation therapists to establish and maintain

effective therapeutic helping relationships. Theories specific to the helping process, facilitation skills, leadership styles, group dynamics, activity and task analysis, modifications and assistive devices will be covered.
Credit Hours: 3 Prerequisite or Corequisite Courses:
RTH 368 with a C- or better.
Additional Restrictions/Requirements:
Corequisite course or consent of instructor.
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

RTH 378 - Advanced Assistance Dog Training I

Course Description:
Advanced knowledge of animal behavior and training theories and how to apply these theories to training assistance dogs. Students will engage in practical and hands-on experience in the training of assistance dogs; and will be responsible for the 24/7 care and training of an assistance dog in-training. Requires participation outside of scheduled class time and UNCW liability insurance.
Credit Hours: 3 Prerequisite Courses:
RTH 287 with C- or better
Additional Restrictions/Requirements:
Prerequisite course and consent of instructor.
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3 Additional Course Fees: ["Additional Fee - Liability Insurance"]

RTH 379 - Advanced Assistance Dog Training II

Course Description:
Knowledge of advanced theories of disability and behaviors that influence placement and use of assistance dogs. Students will engage in practical and hands-on experience in the advanced training of assistance dogs; and the training of a assistance dog to work specifically with a potential assistance dog recipient. Students will be responsible for the 24/7 care. Requires participation outside of scheduled class time and UNCW liability insurance.
Credit Hours: 3 Prerequisite Courses:
RTH 378 with C- or better
Additional Restrictions/Requirements:
Prerequisite course and consent of instructor.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 3 Repeat Limit: 2
Additional Course Fees: ["Additional Fee - Liability Insurance"]

RTH 380 - Assessment and Outcome Planning in Recreation

Therapy

Course Description:

Role of reliable assessment in the treatment planning process in recreation therapy. Skills in assessment, goal writing and attainment, documentation, and outcome measurement.

Credit Hours: 3 Prerequisite Courses:

RTH 265 with a C - or better.

Additional Restrictions/Requirements:

Prerequisite or instructor approval

University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 4

RTH 381 - Recreation Therapy TX Modalities I

Course Description:

Emphasis on leadership, group processing, activity adaptation, behavior management, therapeutic communication, social skills, leisure education, and challenge activities. Field work required.

Credit Hours: 3 Prerequisite Courses:

RTH 375 with a C- or better.

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

RTH 382 - Recreation Therapy Intervention II: Group Facilitation Skills

Course Description:

Planning, implementation, and evaluation of evidence-based, group-based interventions; leadership and helping skills appropriate when facilitating group-based interventions which may include: anger management, social skills, adapted sports and exercise, adventure therapy, community reintegration, problem-solving, and creative/expressive arts. Field work may be required.

Credit Hours: 3 Prerequisite Courses: RTH 381 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 4 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:

Additional Course Fee Schedule

RTH 383 - Recreation Therapy Interventions III: Individual Interventions

Course Description:

Counseling and behavior change theories: planning, implementing and evaluating evidence-based, individual interventions and facilitation techniques which may include: communication skills and motivational interviewing, cognitive retraining, leisure education, stress and pain management, grief and grieving, therapeutic horticulture, therapeutic riding, assistive technology, and other interventions.
Credit Hours: 3 Prerequisite Courses: RTH 381 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

RTH 384 - Recreation Therapy and Child Life with Hospitalized Children

Course Description:

An overview of practitioners' roles with children and families in hospitals - includes developmental milestones/issues; healthcare experiences; therapeutic interventions; family-centered care; diagnostic and treatment interventions; pain management; death and dying; interdisciplinary communication.
Credit Hours: 3 Prerequisite Courses: RTH 368 Additional Restrictions/Requirements:
Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

RTH 385 - Recreation Therapy TX Modalities II: Exercise & Movement

Course Description:

Advanced lecture/applied learning providing an in-depth understanding and application of exercise movement treatment modalities used with individuals and groups who have physical, cognitive, and/or behavioral health conditions. Content, process, and evidence-based resources will be addressed. Students will be provided hands-on experiences with planning, implementing, and evaluating each modality.
Credit Hours: 2 Prerequisite Courses:
RTH 375 with a C- or better.
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 2

RTH 386 - Recreation Therapy TX Modalities III: Expressive Arts

Course Description:

Advanced lecture and applied learning providing an in-depth understanding and application of expressive art treatment modalities used with individuals and groups who have physical, cognitive, and/or behavioral conditions. Content, process, and

evidence-based resources will be addressed. Students will be provided hands-on experiences with planning, implementing, and evaluating each modality.
Credit Hours: 2 Prerequisite Courses:

RTH 375 with a C- or better.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 2

RTH 387 - Recreation Therapy TX Modalities IV: Stress and Pain Management

Course Description:

Advanced lecture and applied learning providing an in-depth understanding and application of a variety of stress and pain management treatment modalities used with individuals and groups who have physical, cognitive, and/or behavioral health conditions. Content, process, and evidence-based resources will be addressed. Students will be provided hands-on experiences with planning, implementing, and evaluating a variety of specific techniques.
Credit Hours: 2 Prerequisite Courses:

RTH 375 with a C- or better.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 2

RTH 388 - Adaptive Sports

Course Description:

Introduction to community-based and elite-level adaptive sports. Students may be required to volunteer at a local, regional, national, or international adaptive sports event. In addition to experiencing adaptive sports via interactions with athletes and coaches, students will be exposed to programming and event management.
Credit Hours: 2 Prerequisite Courses:

RTH 368 with a C- or better.

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

RTH 389 - Recreation Therapy TX Modalities V: Cognitive Retraining

Course Description:

Advanced lecture and applied learning providing an in-depth understanding and application of a variety of cognitive retraining techniques used with individuals and groups who have physical, cognitive, and/or behavioral health conditions. Content, process, and evidence-based resources will be addressed. Students will be

provided hands-on experiences with planning, implementing, and evaluating a variety of techniques.

Credit Hours: 2 Prerequisite Courses:

RTH 375 with a C- or better.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 2

RTH 390 - Pre-Internship Seminar in Recreation Therapy

Course Description:

Preparation for the internship experience with emphasis on development of professional behaviors that facilitate internship and career success in recreation therapy and other allied health professions.

Credit Hours: 1 Prerequisite Courses:

RTH 368 with a C- or better.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 1

RTH 391 - Recreation Therapy Internship Finalization

Course Description:

Students (a) become proficient in clinical/professional writing; (b) apply to five or more internship sites; (c) complete internship contracts and affiliation agreements; (d) set professional goals for their clinical experience; and (e) complete required certification trainings and mandatory requirements of the agency (students may incur extra costs for certification trainings).

Credit Hours: 1 Prerequisite Courses:

RTH 390 with a C- or better.

Additional Restrictions/Requirements:

Prerequisite course and senior standing or consent of instructor.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 1

RTH 393 - Functional Fitness in Recreation Therapy

Course Description:

This course introduces students to community-based recreation therapy programming for individuals with disabilities residing in group homes or attendng day treatment programs. Students will have an opportunity to plan and facillitate evidence-based interventions for the purpose of increasing participants' physical fitness and quality of life. Students will be exposed to program evaluation utilizing a systematic research process.

Credit Hours: 2 Prerequisite Courses:

RTH 375 with a C- or better.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 2 Additional

Course Fees: ["Medical Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

RTH 394 - Aquatics in Recreation Therapy

Course Description:

Introduction to the use of aquatic activities as treatment interventions in recreation therapy for a variety of populations and individuals with disabilities and illnesses. Topics may include aquatic therapy, aquatic exercise and/or adapted aquatics. Students are required to have basic swimming skills. Class will be held in a swimming pool and students are required to be in the water.

Credit Hours: 3 Prerequisite Courses:

RTH 375 with a C- or better.

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

RTH 448 - Advanced Field Experience in Recreation Therapy

Course Description:

Advanced field placement in a recreation therapy setting. Direct service to recreation therapy clients under the supervision of licensed and certified recreation therapists. Students are limited to six credit hours toward graduation. Course cannot be substituted for a content course.

Credit Hours: 1 To 6 Prerequisite Courses: RTH 348 Additional Restrictions/Requirements:

Prerequisite course and consent of instructor.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

RTH 459 - Research & Evaluation Methods in Recreation Therapy

Course Description:

This course will provide students a basic introduction to research and evaluation methods, including qualitative, quantitative, and mixed methods research designs. Philosophical worldviews, and fundamental principles associated with conducting a literature review, formulating a research proposal, collecting, analyzing, and interpreting data will be covered. Applying research-specific knowledge and skills when implementing the APIE process will also be addressed.

Credit Hours: 3 Prerequisite Courses:

RTH 380 with a C- or better.

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

University Studies: ["Building Competencies/Writing Intensive", "Building Competencies/Information Literacy", "Common Requirements/Critical Reasoning"] Crosslisting: RTH 559

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

RTH 468 - Program Planning and Evaluation in Recreation Therapy

Course Description:

Advanced course in programming in recreation therapy. Emphasis on systems planning of specific programs/interventions and individual treatment planning, evaluation and documentation.

Credit Hours: 3 Prerequisite Courses:

Prerequisite and corequisite: RTH 370 and RTH 372 and RTH 380 .

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

RTH 469 - Recreation Therapy in Geriatrics

Course Description:

Emphasis on theories and evidence-based recreation therapy and other nonpharmaceutical treatments for individuals with dementia related illnesses in a variety of settings. Field work required.

Credit Hours: 3 Prerequisite Courses:

RTH 375 with a C- or better and GRN 101.

Additional Restrictions/Requirements:

Prerequisite courses or consent of instructor.

Crosslisting:

RTH 569

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

RTH 475 - Leadership and Management in Recreation Therapy

Course Description:

Principles and practices of recreation therapy management, particularly the effective and efficient management of human, fiscal, informational, and physical resources in health care and human services.

Credit Hours: 3 Prerequisite Courses:

RTH 380 with a C- or better, RTH 370 with a C- or better, and RTH 372 with a C- or better.

Additional Restrictions/Requirements:

Restricted to RTH majors only.

University Studies: ["Building Competencies/Writing Intensive","Building Competencies/Information

Literacy"] Crosslisting:

RTH 575

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3 Major Restriction: RTH

RTH 480 - Senior Seminar in Recreation Therapy

Course Description:

Capstone course in which students utilize theories and methods from previous courses to explore selected topics, issues, and trends related to the recreation therapy profession.

Credit Hours: 3 Prerequisite Courses:

RTH 368 with a C- or better.

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

University Studies: ["Approaches and Perspectives/Living in a Global Society", "Building Competencies/Information Literacy", "Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

RTH 491 - Directed Individual Study

Course Description:

Involves investigation under faculty supervision beyond what is offered in existing courses. Field work required. For further information, consult the Directed Individual Studies section of the catalogue.

Credit Hours: 1 To 3 Additional Restrictions/Requirements:

Junior or senior standing, overall GPA of at least 3.0, and consent of instructor, department chair, and dean.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

RTH 494 - Study Abroad in Recreation Therapy

Course Description:

An interdisciplinary introduction to recreation therapy field methods and investigation in foreign countries. Focused study on disability, accessibility, inclusion, and health care issues and problems specific to host country on local, regional, and global scales. Course integrates field and classroom instruction.

Credit Hours: 1 To 6 Additional Restrictions/Requirements:

Consent of instructor.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

RTH 497 - Field Placement in Recreation Therapy

Course Description:

This is a capstone, applied learning course; students apply APIE process supervised by a certified therapeutic recreation specialist in a healthcare/human service agency utilizing clinical recreation therapy procedures/practices. Minimum 560 hours/14 consecutive weeks of fieldwork and liability insurance required.
Credit Hours: 12 Prerequisite Courses:
RTH 391 with a C- or better.
Additional Restrictions/Requirements:
Prerequisite course, minimum 2.5 cumulative GPA, 2.5 RTH major GPA, senior standing with a cumulative 3.0 GPA in all RTH courses, agency approval, current certification in CPR/First Aid and Bloodborne Pathogens, and instructor approval.
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 12

RTH 498 - Internship in Recreation Therapy

Course Description:
Experiential learning in recreation therapy with selected public, private, commercial, non-profit health care and human service agencies, under the direct supervision of a Certified Therapeutic Recreation Specialist (CTRS). A minimum of 560 hours and 14 consecutive weeks of fieldwork are required.
Credit Hours: 12 Additional Restrictions/Requirements:
Senior standing, an overall 2.00 grade point average, and completion of all other courses required for the major with a 2.00 cumulative grade point average.
University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12 Additional Course Fees: ["Student Blanket Professional Liability Insurance", "Medical Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

RTH 499 - Honors Work in Recreation Therapy

Course Description:
Independent study for honors students.
Credit Hours: 3 Additional Restrictions/Requirements:
Senior standing and eligibility for honors program.
University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

RSP 210 - The History and Evolving Roles of Respiratory Therapists

Course Description:
This introductory course to the field of Respiratory Care is designed to acquaint the student with responsibilities of the Respiratory Care Practitioner as a member of the

healthcare team. Students will explore evidence-based approaches to respiratory therapy and draw contrast to applied practices within respiratory therapy.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

RSP 294 - Undergraduate Respiratory Therapy Study Abroad I

Course Description:

This course provides Respiratory Therapy undergraduate study abroad opportunities.

Credit Hours: 1 To 6 University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated.

RSP 300 - Fundamentals of Respiratory Care

Course Description:

This course introduces the role of the respiratory care practitioner within inter-professional teams and interacting with diverse populations. This course offers a comprehensive introduction to the respiratory care profession and keeps students up to date with the latest advances and trends in professional practice. Topics include medical gas administration, therapeutic devices, basic patient assessment, infection control, and medical terminology using proper written and oral communication methods to prepare students for clinical practice. Upon completion, students should be able to demonstrate competence in respiratory therapy concepts and procedures through written evaluations.

Credit Hours: 3 Prerequisite or Corequisite Courses:

RSP 330 with a C or better, RSP 301 with a C or better, RSP 302 with a C or better, RSP 303 with a C or better, and RSP 351 with a C or better.

Additional Restrictions/Requirements:

Restricted to RSP majors only.

Course Repeatability: Course may not be repeated. Major Restriction: RSP

RSP 301 - Cardiopulmonary Anatomy and Physiology

Course Description:

This course provides a concentrated study of cardiopulmonary anatomy and physiology essential to the practice of respiratory care. Emphasis is placed on cardiovascular and pulmonary physiology, acid/base balance, regulation of breathing, oxygen & carbon dioxide transport and blood gas interpretation. Upon completion, students should be able to demonstrate competence in these concepts through written evaluation.

Credit Hours: 3 Prerequisite or Corequisite Courses:

RSP 300 with a C or better, RSP 330 with a C or better, RSP 302 with a C or better,

RSP 303 with a C or better, and RSP 351 with a C or better.
Additional Restrictions/Requirements:
Restricted to RSP majors only.
Course Repeatability: Course may not be repeated. Major Restriction: RSP

RSP 302 - Cardiopulmonary Pharmacology

Course Description:
This course covers medications used in the treatment of cardiopulmonary diseases. Emphasis is placed on the uses, actions, indications, administration, and hazards of pharmacological agents. Students will be familiar with up-to-date evidence-based practices and clinical practice guidelines involving medication use in critical care. Upon completion, students should be able to demonstrate competence through written evaluations.
Credit Hours: 2 Prerequisite or Corequisite Courses:
RSP 300 with a C or better, RSP 330 with a C or better, RSP 301 with a C or better, RSP 303 with a C or better, and RSP 351 with a C or better.
Additional Restrictions/Requirements:
Restricted to RSP majors only.
Course Repeatability: Course may not be repeated. Major Restriction: RSP

RSP 303 - Patient Assessment

Course Description:
This course introduces the role of the respiratory care practitioner during the patient encounter. Topics will include the stages and spaces utilized to promote a positive encounter and the patient interview that promotes patient safety, integrity, and autonomy. Learners will be introduced to skills that support a complete patient examination through the assessment of medical records, physical findings, laboratory data, the chest radiograph, diagnostic and therapeutic interventions. Upon completion, students should be able to demonstrate competence in concepts in patient assessment through written evaluations.
Credit Hours: 3 Prerequisite or Corequisite Courses:
RSP 300 with a C or better, RSP 330 with a C or better, RSP 301 with a C or better, RSP 302 with a C or better, and RSP 351 with a C or better.
Additional Restrictions/Requirements:
Restricted to RSP majors only.
Course Repeatability: Course may not be repeated. Major Restriction: RSP

RSP 304 - Cardiopulmonary Diseases and Diagnostics

Course Description:

This course provides emphasis on diagnostic and therapeutic procedures associated with cardiopulmonary disease. Students will investigate the cause of cardiopulmonary diseases and the changes to structure & function of the human anatomy. Student will differentiate the etiology, clinical manifestations, pathogenesis, lab data and treatment for acute & chronic cardiopulmonary diseases. Upon completion, students should be able to demonstrate competence in respiratory therapy concepts and procedures through written evaluations.

Credit Hours: 3 Prerequisite or Corequisite Courses:

RSP 306 with a C or better and RSP 352 with a C or better.

Prerequisite Courses:

RSP 301 with a C or better, RSP 302 with a C or better, RSP 303 with a C or better, RSP 306 with a C or better, and RSP 352 with a C or better.

Additional Restrictions/Requirements:

Restricted to RSP majors only.

Course Repeatability: Course may not be repeated. Major Restriction: RSP

RSP 306 - Introduction to Mechanical Ventilation

Course Description:

This course provides students an introduction of acute patient care and managing a critically ill patients on ventilators. Students will explore the indications, contraindications and hazards of invasive and non-invasive ventilation. Emphasis on the review of current approaches to ventilator management, monitoring techniques, graphics and weaning strategies. Upon completion, students should be able to demonstrate competence in respiratory therapy concepts and procedures in the intensive care unit through written evaluations.

Credit Hours: 3 Prerequisite or Corequisite Courses:

RSP 304 with a C or better and RSP 352 with a C or better.

Prerequisite Courses:

RSP 300 with a C or better, RSP 301 with a C or better, RSP 302 with a C or better, RSP 303 with a C or better, RSP 304 with a C or better, and RSP 352 with a C or better.

Additional Restrictions/Requirements:

Restricted to RSP majors only.

Course Repeatability: Course may not be repeated. Major Restriction: RSP

RSP 307 - Advanced Critical Care Management

Course Description:

This course introduces advanced methods of information gathering and decision

making for the respiratory care professional. Topics include, cardiovascular & hemodynamic monitoring, special procedures, diagnostic & procedural imaging, laboratory values, disease management in the intensive care unit, pharmacology and nutrition. Upon completion, students should be able to evaluate, design, and recommend appropriate care plans through written evaluations.

Credit Hours: 3 Prerequisite or Corequisite Courses:

RSP 402 with a C or better, RSP 308 with a C or better, RSP 309 with a C or better, and RSP 353 with a C or better.

Prerequisite Courses:

RSP 304 with a C or better, RSP 306 with a C or better, RSP 352 with a C or better, RSP 402 with a C or better, RSP 308 with a C or better, RSP 309 with a C or better, and RSP 353 with a C or better.

Additional Restrictions/Requirements:

Restricted to RSP majors only.

Course Repeatability: Course may not be repeated. Major Restriction: RSP

RSP 308 - Neonatal-Pediatric Respiratory Care

Course Description:

This course provides in-depth coverage of the concepts of neonatal and pediatric respiratory care. Emphasis is placed on neonatal & pediatric pathophysiology and on the special therapeutic needs of these populations. Upon completion, students will be able to demonstrate competence in these concepts through exams, written and laboratory evaluations.

Credit Hours: 1 to 3 Prerequisite or Corequisite Courses:

RSP 402 with a C or better, RSP 307 with a C or better, RSP 309 with a C or better, and RSP 353 with a C or better.

Prerequisite Courses:

RSP 304 with a C or better, RSP 306 with a C or better, RSP 352 with a C or better, RSP 402 with a C or better, RSP 307 with a C or better, RSP 309 with a C or better, and RSP 353 with a C or better.

Additional Restrictions/Requirements:

Restricted to RSP majors only.

Course Repeatability: Course may not be repeated. Major Restriction: RSP

RSP 309 - Respiratory Care Lab II

Course Description:

This course reinforces patient care skills using mechanical ventilation in a critical care setting. Topics include introductions in the application and management of

mechanical ventilation, assessment of underlying pathophysiology, and use of critical care monitoring, cardiovascular & hemodynamic monitoring, diagnostic imaging, laboratory values, diseases in the intensive care unit, pharmacology, and nutrition. This course includes advanced information gathering and decision-making for respiratory care professionals. Upon completion, students should be able to demonstrate competence in respiratory therapy concepts and critical care procedures through laboratory and simulated evaluations.

Credit Hours: 2 Prerequisite or Corequisite Courses:

RSP 304 with a C or better, RSP 306 with a C or better, and RSP 352 with a C or better.

Prerequisite Courses:

RSP 300 with a C or better, RSP 301 with a C or better, RSP 302 with a C or better, RSP 303 with a C or better, RSP 330 with a C or better, and RSP 351 with a C or better.

Additional Restrictions/Requirements:

Restricted to RSP majors only.

Course Repeatability: Course may not be repeated. Additional Course Fees: ["Additional Fee - Nursing Simulation Lab Fee"] Additional Fees Link:

Additional Course Fee Schedule

Major Restriction: RSP

RSP 310 - The History of Respiratory Therapy

Course Description:

This course will review the history and evolving roles of respiratory therapy. Students will explore the history of cardiopulmonary science, agencies within the profession, and evolution of patient care. We will draw upon influence of science, circumstance, and technology that guide the profession.

Prerequisite Courses:

RSP 324 with a C or better.

Additional Restrictions/Requirements:

This course is restricted to students in the RSP Major from the OAP program.

Course Repeatability: Course may not be repeated. Major Restriction: RSP

RSP 313 - Critical Care Pharmacology

Course Description: This course covers medications used in the treatment of conditions or disorders used in a critical care setting. Emphasis is placed on the uses, actions, indications, administration, and hazards of pharmacological agents. Students will familiarize themselves with updated clinical practice guidelines and evidence-based practice recommendations. Upon completion, students should be able to demonstrate competence through written evaluations. Credit Hours: 2 Prerequisite or Corequisite Courses: RSP 304 with a C or better, RSP 306 with a C or better, RSP 309 with a C or better, RSP 352 with a C or better, RSP 402 with a C or better, RSP 307 with a C or better, RSP 308 with a C or better, RSP 353 with a C or better. Additional Restrictions/Requirements: RSP majors only Course Repeatability: Course may not be repeated. Major Restriction: RSP

RSP 320 - Exam and Career Preparation

Course Description:

This course provides preparation and reflection on the scope of practice for respiratory therapy students entering the profession. Emphasis will be placed on competencies listed in the content matrix for both the Therapist Multiple Choice examination (TMC) and Clinical Simulation Examination (CSE). Upon completion, students will develop a portfolio of goals to include professional and academic credentials along with a short- and long-term career plan.

Credit Hours: 3 Prerequisite or Corequisite Courses:

RSP 412 with a C or better, RSP 403 with a C or better, RSP 470 with a C or better, and RSP 454 with a C or better.

Prerequisite Courses:

RSP 402 with a C or better, RSP 307 with a C or better, RSP 309 with a C or better, RSP 308 with a C or better, RSP 353 with a C or better, RSP 412 with a C or better, RSP 403 with a C or better, RSP 470 with a C or better, and RSP 454 with a C or better.

Additional Restrictions/Requirements:

Restricted to RSP majors only.

Course Repeatability: Course may not be repeated. Major Restriction: RSP

RSP 324 - Disease Management for Respiratory Therapists

Course Description:

This course provides practicing clinicians a foundation that augments their skills to enable them to competently perform the duties of a pulmonary disease manager. The emerging role of disease managers, among the respiratory therapy profession, is to enhance the quality of life of the patient with chronic disease. Emphasis is place on essential knowledge of pulmonary diseases, case management, care transition coordination, and elements of behavior for health promotion. Upon completion, students should be able to demonstrate competence though written evaluations.

Additional Restrictions/Requirements:

Restricted to RSP majors only.

University Studies: ["Approaches and Perspectives/Understanding Human Institutions and Behaviors", "Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated. Major Restriction: RSP

RSP 330 - Respiratory Care Lab 1

Course Description:

This course reinforces understanding of the role of the respiratory care practitioner within interprofessional teams and interactions with diverse patient populations. Activities include medical gas administration, aerosol delivery, respiratory therapeutics, airway management & trach care, introduction to non-invasive ventilation and medical terminology. Learners will practice skills that support a complete patient examination through the assessment of medical records, physical findings, laboratory data, the chest radiograph, and diagnostic and therapeutic interventions. Upon completion, students should be able to demonstrate competencies necessary to care for patients with cardiopulmonary disease and disorders that affect life functions.

Credit Hours: 2 Prerequisite or Corequisite Courses:

RSP 300 with a C or better, RSP 301 with a C or better, RSP 302 with a C or better, RSP 303 with a C or better, and RSP 351 with a C or better.

Additional Restrictions/Requirements:

Restricted to RSP majors only.

Course Repeatability: Course may not be repeated. Additional Course Fees: ["Additional Fee - Nursing Simulation Lab Fee"] Additional Fees Link:

Additional Course Fee Schedule

Major Restriction: RSP

RSP 351 - Clinical Practice I

Course Description:

This course provides supervised entry-level clinical experience via assigned medical facilities. Emphasis is placed on assessment, therapeutic techniques, non-invasive procedures, diagnostics and communication strategies within the scope of practice for respiratory care. Upon completion students should be able to demonstrate, through required performance evaluations, clinical competence and novice proficiency of patient care in an inter-professional setting.

Credit Hours: 1 Prerequisite or Corequisite Courses:

RSP 300 with a C or better, RSP 330 with a C or better, RSP 301 with a C or better, RSP 302 with a C or better, RSP 303 with a C or better.

Additional Restrictions/Requirements:

Restricted to RSP majors only.

Course Repeatability: Course may not be repeated. Additional Course Fees: ["Additional Fee - Liability Insurance"] Additional Fees Link:

Additional Course Fee Schedule

Major Restriction: RSP

RSP 352 - Clinical Practice II

Course Description:

This course provides continued supervised clinical experience via assigned rotations at medical facilities. Emphasis is placed on assessment, therapeutic techniques, invasive procedures, diagnostics and communication strategies within the scope of practice for respiratory care. Upon completion, students should be able to demonstrate clinical competence in bedside patient care in an interprofessional setting. Students will be evaluated through required performance evaluations that demonstrate appropriate levels of clinical knowledge in the respiratory therapy program.

Credit Hours: 2 Prerequisite or Corequisite Courses:

RSP 304 with a C or better and RSP 306 with a C or better.

Prerequisite Courses:

RSP 351 with a C or better, RSP 304 with a C or better, and RSP 306 with a C or better.

Additional Restrictions/Requirements:

Restricted to RSP majors only.

Course Repeatability: Course may not be repeated. Additional Course Fees: ["Additional Fee - Liability Insurance"] Additional Fees Link:

Additional Course Fee Schedule

Major Restriction: RSP

RSP 353 - Clinical Practice III

Course Description:

This course provides a supervised clinical experience on the critical care unit of acute care hospitals and an introduction to critical care medicine and mechanical ventilation. Emphasis is placed on assessment, therapeutic techniques, invasive procedures, diagnostics and communication strategies for patients on mechanical ventilation within the scope of practice for respiratory care. Upon completion, students should be able to demonstrate how to provide ventilatory support for critically ill patients in an interprofessional setting while showing compassion and teamwork.

Credit Hours: 2 Prerequisite or Corequisite Courses:

RSP 402 with a C or better, RSP 307 with a C or better, RSP 309 with a C or better, and RSP 308 with a C or better.

Prerequisite Courses:

RSP 304 with a C or better, RSP 306 with a C or better, RSP 352 with a C or better, RSP 402 with a C or better, RSP 307 with a C or better, RSP 309 with a C or better, and RSP 308 with a C or better.

Additional Restrictions/Requirements:

Restricted to RSP majors only.

Course Repeatability: Course may not be repeated. Additional Course Fees: ["Additional Fee - Liability Insurance"] Additional Fees Link:

Additional Course Fee Schedule

Major Restriction: RSP

RSP 401 - Evidence-Based Practice in Respiratory Care

Course Description:

This course introduces concepts of evidence-based practice in respiratory care. Learners will be able to recognize the hierarchy of evidence and recognize different types of designs used in medical research. Learners will review medical research to identify evidence for current or new standards. Learners will develop a plan to collect and present data for the respiratory therapy capstone course. Upon completion, students should be able to demonstrate how to utilize clinical expertise, unique patient characteristics and best evidence to recognize evidence-based practice.

Credit Hours: 3 Prerequisite or Corequisite Courses:

RSP 402 with a C or better, RSP 307 with a C or better, RSP 309 with a C or better, RSP 308 with a C or better, and RSP 353 with a C or better.

Prerequisite Courses:

CHHS 411 with a C or better, RSP 402 with a C or better, RSP 307 with a C or

better, RSP 309 with a C or better, RSP 308 with a C or better, and RSP 353 with a C or better.

Additional Restrictions/Requirements:

Restricted to RSP majors only.

Course Repeatability: Course may not be repeated. Major Restriction: RSP

RSP 402 - Advanced Techniques in Mechanical Ventilation

Course Description:

This course reinforces techniques to manage the critically ill patient through an understanding of underlying pathophysiology. Topics include a continuation in the application and management of mechanical ventilation, specialty modes of mechanical ventilation, and techniques related to difficult adult, pediatric and neonatal patients. Techniques related to adjunct therapies and treatments will include the use of ECMO, medical gases, esophageal balloons, prone positioning and recruitment maneuvers. Upon completion, students should be able to demonstrate competence in advanced respiratory therapy concepts and procedures through written evaluations.

Credit Hours: 3 Prerequisite or Corequisite Courses:

RSP 307 with a C or better, RSP 309 with a C or better, RSP 308 with a C or better, and RSP 353 with a C or better.

Prerequisite Courses:

RSP 304 with a C or better, RSP 306 with a C or better, RSP 352 with a C or better, RSP 307 with a C or better, RSP 309 with a C or better, RSP 308 with a C or better, and RSP 353 with a C or better.

Additional Restrictions/Requirements:

Restricted to RSP majors only.

Course Repeatability: Course may not be repeated. Major Restriction: RSP

RSP 403 - Healthcare Management and Leadership

Course Description:

This course will provide an overview of leadership qualities, and the impact leadership can have on the profession of respiratory care. The student will develop an understanding of the administrative and financial aspects of healthcare management. The student will be introduced to concepts related to strategic planning and healthcare marketing. The student will be introduced to concepts related to managing costs and revenues associated with department management. The student will also learn about human resources, legal, and policy concepts related to outpatient, inpatient, public, and private sectors. Upon completion, the

student will demonstrate competence on the internal and external concepts that healthcare leaders and administrators face through written evaluations.
Credit Hours: 3 Prerequisite Courses:
RSP 410 with a C or better and RSP 353 with a C or better.
Additional Restrictions/Requirements:
Restricted to RSP majors only.
Course Repeatability: Course may not be repeated. Major Restriction: RSP

RSP 410 - Ethical Dilemmas in Healthcare

Course Description:
This course provides and introduction to ethical dilemmas for health care professionals from a legal framework. Topics will include strategies on how to recognize the legal and ethical issues that health care professionals face. Topics are based upon real-world scenarios and dilemmas from a variety of health care practitioners. Upon completion, students should be able to demonstrate competence in ethical and legal concepts through written evaluations.
Credit Hours: 3 Prerequisite Courses:
RSP 351 with a C or better.
Additional Restrictions/Requirements:
Restricted to RSP majors only.
Course Repeatability: Course may not be repeated. Major Restriction: RSP

RSP 412 - Cardiopulmonary Rehabilitation and Long-Term Care

Course Description:
This course focusses on the role of the respiratory care practitioners within interprofessional teams promoting cardiopulmonary wellness. This course provides an in-depth study of cardiopulmonary rehabilitation and alternatives to hospital care. Emphasis is placed on the procedures and technologies applied to cardiopulmonary rehabilitation, patient education, and alternatives within respiratory care practice. Upon completion, students should be able to design appropriate respiratory care plans for the home and extended care environments.
Credit Hours: 2 or 3 Prerequisite or Corequisite Courses:
RSP 403 with a C or better, RSP 470 with a C or better, RSP 320 with a C or better, and RSP 454 with a C or better.
Prerequisite Courses:
RSP 402 with a C or better, RSP 307 with a C or better, RSP 309 with a C or better, RSP 308 with a C or better, and RSP 353 with a C or better.
Additional Restrictions/Requirements:

Restricted to RSP majors only.
Course Repeatability: Course may not be repeated. Major Restriction: RSP

RSP 420 - Health Law and Ethics

Course Description:
This course provides and introduction to health law and ethical dilemmas through a series of case studies. Topics will include strategies on how to recognize the legal and ethical issues that health care professionals face. Topics are based upon real-world scenarios from a variety of health care practitioners. Upon completion, students should be able to demonstrate competence in concepts on health law and ethics through written evaluations.
Credit Hours: 3 Prerequisite or Corequisite Courses:
RSP 324 with a C or better.
Additional Restrictions/Requirements:
Restricted to RSP majors only.
Course Repeatability: Course may not be repeated. Major Restriction: RSP

RSP 421 - Information Literacy in Respiratory Care

Course Description:
This course introduces concepts of evidence-based practice in respiratory care. Learners will be able to recognize the hierarchy of evidence and recognize different types of designs used in medical research. Learners will review medical research to identify evidence for current or new standards. Learners will develop a plan to collect and present data for the respiratory therapy capstone course. Upon completion, students should be able to demonstrate how to utilize clinical expertise, unique patient characteristics and best evidence to recognize evidence-based practice.
Credit Hours: 3 Prerequisite or Corequisite Courses:
RSP 324 with a C or better, RSP 422 with a C or better, RSP 420 with a C or better, RSP 425 with a C or better, RSP 423 with a C or better, RSP 426 with a C or better, RSP 427 with a C or better, EXS 310 with a C or better, RSP 428 with a C or better, RSP 424 with a C or better.
Additional Restrictions/Requirements:
Restricted to RSP majors only.
University Studies: ["Building Competencies/Information Literacy", "Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated. Major Restriction: RSP

RSP 422 - Advanced Critical Care Respiratory Therapy

Course Description:

This course provides further refinement of acute patient care and underlying pathophysiology. Topics include a continuation in the application and management of mechanical ventilation, specialty modes of mechanical ventilation, and techniques related to complex diseases. Techniques related to adjunct therapies and treatments will include the use of ECMO, nitric oxide, prone positioning and recruitment maneuvers. Upon completion, students should be able to demonstrate competence in respiratory therapy concepts and procedures through written evaluations.

Credit Hours: 3 Prerequisite or Corequisite Courses:

RSP 324 with a C or better.

Additional Restrictions/Requirements:

Restricted to RSP majors only.

Course Repeatability: Course may not be repeated. Major Restriction: RSP

RSP 423 - Healthcare Policy and Administration

Course Description:

This course introduces healthcare concepts, using a case study approach, of Healthcare Policy and Administration in the healthcare industry. Topics include the role of healthcare management in a delivery system, contrasting management & leadership, organizational behaviors, strategic planning, quality improvement, information technology and finance. Upon completion, the student will demonstrate competence on the internal and external factors that healthcare managers and administrators face through written evaluations.

Credit Hours: 3 Prerequisite or Corequisite Courses:

RSP 324 with a C or better.

Additional Restrictions/Requirements:

Restricted to RSP majors only.

Course Repeatability: Course may not be repeated. Major Restriction: RSP

RSP 424 - Advanced Cardiopulmonary Pharmacology

Course Description:

This course covers the drugs used in the treatment of cardiopulmonary diseases. Emphasis is placed on the efficacious practice of cardiopulmonary medications, that include, indications, administration, and hazards of pharmacological agents. Upon completion, students should be able to demonstrate competence though written evaluations.

Credit Hours: 3 Prerequisite Courses:

RSP 324 with a C or better.

Additional Restrictions/Requirements:

Restricted to RSP majors only.

Course Repeatability: Course may not be repeated. Major Restriction: RSP

RSP 425 - Advanced Cardiovascular Pathophysiology

Course Description:

This course identifies the structure and function of the cardiac pump and cardiovascular system's role in hemodynamics. Emphasis is placed on clinical signs and symptoms of pulmonary disease and respective treatments, protocols and evidence-based practice used in a local context by learners. Upon completion, students should be able to demonstrate competency in these concepts through written evaluation.

Credit Hours: 3 Prerequisite Courses:

RSP 324 with a C or better.

Additional Restrictions/Requirements:

Restricted to RSP majors only.

Course Repeatability: Course may not be repeated. Major Restriction: RSP

RSP 426 - Advanced Pulmonary Pathophysiology

Course Description:

This course identifies the and physiology of the pulmonary system and microcirculation of the lungs. We will review the pulmonary system and pathophysiology associated with lung disease. Emphasis is placed on clinical signs and symptoms of pulmonary disease and respective treatments, protocols and evidence-based practice used in a local context by learners. Upon completion, students should be able to demonstrate competence in respiratory therapy concepts and procedures through written evaluations.

Credit Hours: 3 Prerequisite Courses:

RSP 324 with a C or better.

Additional Restrictions/Requirements:

Restricted to RSP majors only.

Course Repeatability: Course may not be repeated. Major Restriction: RSP

RSP 427 - Advanced Renal and Endocrine Pathophysiology

Course Description:

This course identifies the and physiology of the renal and endocrine systems. We will review the pathophysiology associated with these systems and their impact on the cardiopulmonary system. Emphasis is placed on clinical signs and symptoms of renal and endocrine diseases and respective treatments, protocols and evidence-

based practice used in a local context by learners. Upon completion, students should be able to demonstrate competence in respiratory therapy concepts and procedures through written evaluations.
Credit Hours: 3 Prerequisite Courses:
RSP 324 with a C or better.
Additional Restrictions/Requirements:
Restricted to RSP majors only.
Course Repeatability: Course may not be repeated. Major Restriction: RSP

RSP 428 - Neonatal-Pediatric Critical Care Pathophysiology

Course Description:
This course provides in-depth coverage of the concepts of neonatal and pediatric respiratory care. Emphasis is placed on neonatal and pediatric pathophysiology and on the special therapeutic needs of neonates and children in the intensive care unit. Upon completion, students will be able to demonstrate competence in these concepts through exams, written and laboratory evaluations.
Credit Hours: 3 Prerequisite Courses:
RSP 324 with a C or better.
Additional Restrictions/Requirements:
Restricted to RSP majors only.
Course Repeatability: Course may not be repeated. Major Restriction: RSP

RSP 432 - Subacute Care and Telemedicine in Respiratory Therapy

Course Description:
This course focusses on the role of the respiratory care practitioners within interprofessional teams promoting cardiopulmonary wellness. This course provides an in-depth study of cardiopulmonary rehabilitation and alternatives to hospital care. Emphasis is placed on the procedures and technologies applied to cardiopulmonary rehabilitation, patient education, and alternatives within respiratory care practice. Upon completion, students should be able to design appropriate respiratory care plans for the home and extended care environments.
Credit Hours: 3 Prerequisite Courses:
RSP 324 with a C or better.
Additional Restrictions/Requirements:
Restricted to RSP majors only.
University Studies: ["Approaches and Perspectives/Living in a Global Society"] Course Repeatability: Course may not be repeated. Major Restriction: RSP

RSP 454 - Clinical Practice IV

Course Description:

This course provides a supervised clinical experience on the critical care unit of acute care hospitals for adult, pediatric and neonatal patients. Emphasis is placed on assessment, therapeutic techniques, invasive procedures, diagnostics, and communication strategies for patients on mechanical ventilation within the scope of practice for respiratory care. Students will explore the use of adjunct devices and therapies in critical care with a focus on hemodynamic monitoring and instruments. Student rotations may extend to primary care facilities and pulmonary rehabilitation clinics.Upon completion, students should be able to demonstrate how to provide ventilatory support for critically ill patients in an interprofessional setting while showing compassion and teamwork.

Credit Hours: 3 Prerequisite or Corequisite Courses:

RSP 412 with a C or better, RSP 403 with a C or better, RSP 470 with a C or better, and RSP 320 with a C or better.

Prerequisite Courses:

RSP 402 with a C or better, RSP 307 with a C or better, RSP 308 with a C or better, RSP 309 with a C or better, RSP 353 with a C or better, RSP 412 with a C or better, RSP 403 with a C or better, RSP 470 with a C or better, and RSP 320 with a C or better.

Additional Restrictions/Requirements:

Restricted to RSP majors only.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated. Additional Course Fees: ["Additional Fee - Liability Insurance"] Additional Fees Link:

Additional Course Fee Schedule

Major Restriction: RSP

RSP 470 - Capstone Project

Course Description:

This is the capstone course for the Respiratory Therapy Program and each student will develop and present a final project, which includes a research paper, poster, and community presentation. Students will identify and complete the projects by applying knowledge and skills learned in the program. Students will demonstrate how to utilize clinical expertise, unique patient characteristics and best evidence to recognize evidence-based practice.

Credit Hours: 3 Prerequisite or Corequisite Courses:

RSP 412 with a C or better, RSP 403 with a C or better, RSP 320 with a C or better,

and RSP 454 with a C or better.
Prerequisite Courses:
RSP 402 with a C or better, RSP 307 with a C or better, RSP 309 with a C or better, RSP 308 with a C or better, RSP 353 with a C or better, RSP 412 with a C or better, RSP 403 with a C or better, RSP 320 with a C or better, and RSP 454 with a C or better.
Additional Restrictions/Requirements:
Restricted to RSP majors only.
University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated. Major Restriction: RSP

RSP 494 - Undergraduate Respiratory Therapy Study Abroad II

Course Description:
This course provides Respiratory Therapy advanced undergraduate study abroad opportunities.
Credit Hours: 1 To 6 Additional Restrictions/Requirements:
Instructor approval
Course Repeatability: Course may be repeated.

RUS 101 - Introductory Russian I

Course Description:
Emphasis on achievement of an active command of the language. Aural-oral practice; intensive study of the basic patterns of spoken Russian; reading, writing, and basic conversation. For students with one unit or less of high school Russian.
Credit Hours: 3 University Studies: ["Foundations/Foreign Language"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

RUS 102 - Introductory Russian II

Course Description:
Emphasis on achievement of an active command of the language. Aural-oral practice; intensive study of the basic patterns of spoken Russian; reading, writing, and basic conversation.
Credit Hours: 3 Prerequisite Courses: RUS 101 University Studies: ["Foundations/Foreign Language"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

RUS 201 - Intermediate Russian I

Course Description:
A review of the grammatical structure of the language. Application of the language in composition, conversation, and readings.
Credit Hours: 3 To 4 Prerequisite Courses: RUS 102 Course Repeatability: Course may not be

repeated. Maximum Repeatable Hours: 4

RUS 202 - Intermediate Russian II

Course Description:

A review of the grammatical structure of the language. Application of the language in composition, conversation, and readings.

Credit Hours: 3 To 4 Prerequisite Courses: RUS 201 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 4

RUS 209 - Russian Literature in Translation: Topics

Course Description:

Study of representative works from the literature of the Russian-speaking world. Readings and class discussions in English. May be repeated under different subtitles.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

RUS 294 - Study Abroad

Course Description:

Special topics related to issues in the Russian-speaking world to be taken abroad from UNCW faculty or as transfer credit. Course may be repeated under different content/titles.

Credit Hours: 1 To 6 University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

RUS 395 - Topics in Russian Studies

Course Description:

Intensive study of a selected topic in Russian Studies. Courses are taught through the UNC Russian Studies Consortium as a teleconference/DE course. May be repeated under different subtitles.

Credit Hours: 3 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

RUS 491 - Directed Individual Study

Course Description:

Involves the investigation under faculty supervision beyond what is offered in existing Russian courses. For further information, consult Directed Individual Studies section in this catalogue.

Credit Hours: 1 To 3 Additional Restrictions/Requirements:

Junior or senior standing, overall GPA of at least 2.00, and consent of instructor, department chair, and dean.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 9

SEC 200 - Teaching, Schools and a Global Society

Course Description:

Introductory course for licensure in secondary education. Emphasis on interpretation and evaluation of the development of public education in the United States using historical, sociological, cultural, and philosophical perspectives. Course examines the goals and purposes of education in a global context with particular attention to the education of students in grades 9-12.

Credit Hours: 3 Corequisite Courses:

SEC 210 and SEC 220

Additional Restrictions/Requirements:

Only open to students pursuing secondary licensure.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SEC 206 - Inquiry-Based Learning

Course Description:

This course is designed to familiarize teacher candidates with the principles of inquiry-based learning and strategies and to provide opportunities for implementing inquiry-based learning instruction and projects in their classrooms. Students will gain hands-on experience developing collaborative, inquiry-based projects that support their curricular goals. The course is required for students who intend to complete the iSTEM minor with teaching licensure option.

Credit Hours: 3 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SEC 210 - Diverse Learners in Secondary Schools

Course Description:

Focus on teaching diverse learners in the high school classroom including students with disabilities, linguistically diverse individuals, students identified as academically gifted and talented, and students at risk for school failure. Instructional practices and classroom managment strategies that support all students in general education classes will be explored.

Credit Hours: 3 Additional Restrictions/Requirements:

Only open to students pursuing secondary licensure.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SEC 220 - Practicum Block I

Course Description:

Candidates will observe, participate, assist, tutor and teach in secondary classrooms. Emphasis is placed on the study of adolescent development with practical experiences in high school classrooms. Candidates will observe instruction including lesson planning, lesson implementation and assessment.

Credit Hours: 3 Corequisite Courses:

SEC 200 and SEC 210 .

Additional Restrictions/Requirements:

Only open to students pursuing secondary licensure.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:

Additional Course Fee Schedule

SEC 225 - iSTEM - Early Field Experience

Course Description:

This course must be taken with UNI-iSTEM 101. This section of the course focuses on interpretation and evaluation of the development of public education in the United States. Students are introduced to diversity issues in STEM education and are challenged to critically examine STEM education issues within the context of the public education and classrooms they visit. Criminal background check is required to visit schools.

Credit Hours: 1 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 1

SEC 305 - Diverse Learners in Secondary Schools

Course Description:

Focus on teaching diverse learners in the high school classroom including students with disabilities, culturally and linguistically diverse individuals, students identified as academically gifted and talented, and students at risk for school failure. Instructional practices and classroom management strategies that support the learning of all students in general education classes will be explored.

Credit Hours: 3 Corequisite Courses:

SEC 320

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SEC 305-iSTEM - Diverse Learners in Secondary Education

Course Description:

Corequisite: SEC 325-iSTEM . The course examines different theoretical perspectives on learning, cognition, and cognitive development. It also explores

issues of diversity in the secondary schools' classroom. It sensitizes the pre-service teachers with necessary knowledge, skills, and disposition related to teaching diversity that fosters excellence in a culturally responsive environment. The course offers one module on learning and cognition and four modules on specific diverse populations: (1) multicultural groups regarding race, gender, and ethnicity, (2) English language learniners, (3) special needs learners in the mainstream classroom, and (4) students idenified as gifted. The last module is focused on reflection on observation of skilled teachers demonstrating appropriate instructional techniques.
Credit Hours: 3

SEC 310 - Curriculum Design and Learning Assessment

Course Description:

Course designed to provide conceptual tools and analytic skills essential for designing effective instructional activities that incorporate technology as well as providing tools for planning, implementing, and evaluating lessons.
Credit Hours: 3 Corequisite Courses:

SEC 320 .
Additional Restrictions/Requirements:

Only open to those pursuing secondary licensure.
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SEC 320 - Practicum Block II

Course Description:

Development of tutoring and instructional strategies to improve high school student literacy. Candidates will tutor and teach in a secondary classroom/tutoring center with an emphasis on multiple literacy skills.
Credit Hours: 3 Corequisite Courses:

SEC 210
Additional Restrictions/Requirements:

Only open to students pursuing secondary teaching licensure.
University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

SEC 325 - iSTEM - Student Teaching I

Course Description:

iSTEM - Student Teaching I is the co-planning/co-teaching practical experience for

students seeking to become secondary STEM teachers. Candidates will be placed in secondary STEM classrooms and/or STEM centers with an emphasis on analyzing diverse learners and developing inquiry-based instruction as assigned.
Credit Hours: 1 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 1

SEC 325-iSTEM - Teaching Internship I

Course Description:

This course is required for students who are completing the integrated Stem with Teaching Licensure Minor. The iSTEM Teaching Internship I is the co-planning/co-teaching practical experience for students seeking to become secondary STEM teachers. Candidates will be placed in secondary STEM classrooms and/or STEM centers with an emphasis on analyzing diverse learners and developing inquiry-based instruction as assigned.
Credit Hours: 1 Corequisite Courses:

SEC 305-iSTEM

SEC 403 - Theory and Practice in Teaching Secondary English (9-12)

Course Description:

This course provides emphasis on theory, curriculum development, inquiry, critical thinking, classroom management, instructional strategies and selection of appropriate instructional materials for teaching secondary English. Successful planning and teaching practices with adaptations to diverse needs of students will be discussed and incorporated into coursework.
Credit Hours: 3 Corequisite Courses:

SEC 410 and SEC 421

Prerequisite Courses: SEC 305 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SEC 404 - Theory and Practice in Teaching Secondary Mathematics (9-12)

Course Description:

This course provides emphasis on theory, curriculum development, inquiry, critical thinking, classroom management, instructional strategies and selection of appropriate instructional materials for teaching secondary mathematics. Successful planning and teaching practices with adaptations to diverse needs of students will be discussed and incorporated into coursework.

Credit Hours: 3 Corequisite Courses:

SEC 410 and SEC 421

Prerequisite Courses: SEC 305 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 4

SEC 405 - Theory and Practice in Teaching Secondary Social Studies (9-12)

Course Description:

This course provides emphasis on theory, curriculum development, inquiry, critical thinking, classroom management, instructional strategies and selection of appropriate instructional materials for teaching secondary social studies. Successful planning and teaching practices with adaptations to diverse needs of students will be discussed and incorporated into coursework.

Credit Hours: 3 Corequisite Courses:

SEC 410 and SEC 421

Prerequisite Courses: SEC 305 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SEC 406 - Theory and Practice in Teaching Secondary Science (9-12)

Course Description:

This course provides emphasis on theory, curriculum development, inquiry, critical thinking, classroom management, instructional strategies and selection of appropriate instructional materials for teaching secondary science. Successful planning and teaching practices with adaptations to diverse needs of students will be discussed and incorporated into coursework.

Credit Hours: 3 Corequisite Courses:

SEC 410 and SEC 421

Prerequisite Courses: SEC 305 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SEC 407 - iSTEM - Project Based Instruction and Assessment

Course Description:

This course addresses the distinctive features of project-based learning and the associated teaching practices. It will provide conceptual tools and analytic skills essential to designing and developing assessment to be applied in a secondary STEM instructional setting. Attention will be given to the essential components of projects, including challenging problems or questions, sustained inquiry, authenticity, student voice and choice, reflection, critique and revision, and public

product. The teaching practices that will be addressed include planning, scaffolding student learning, managing activities, and building a culture of inquiry thorugh projects. Students will construct assessments that align with best practices in teaching inquiry-based and project-based design instruction.

Credit Hours: 3 Corequisite Courses:

SEC 421

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SEC 407-iSTEM - Project Based Instruction and Assessment

Course Description:

This course addresses the distinctive features of project-based learning and the associated teaching practices. It will provide conceptual tools and analytiv skills essential to designing and developing assessment to be applied in a secondary STEM instructional setting. Attention will be given to the essential components of projects, including challenging problems of questions, sustained inquiry, authenticity, student voice and choice, reflection, critique and revision, and public product. The teaching practices that will be addresses include planning, scaffolding student learning, managing activities, and building a culture of inquiry through projects. Students will construct assessments that align with best practices in teaching inquiry-based and project-based design instruction.

This course should be taken along with upper level discipline area courses with iSTEM desgination. It is required for students who are completing the iSTEM with Teaching Licensure minor.

Credit Hours: 3 Corequisite Courses:

SEC 425-iSTEM

SEC 410 - ESL Topics for Secondary Teachers

Course Description:

Corequisites: SEC 403 , SEC 404 , SEC 405 , or SEC 406 ; SEC 421 and SEC 422 [Inactive]. This course will introduce Secondary educators to the field of English as a second language and meeting the needs of students with limited formal schooling, long term English language learners and older language learners. Topics include cross-cultural communications, ESL methodology, assessment and curriculum adaptation.

Credit Hours: 3 Prerequisite Courses: SEC 205 [Inactive] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:

Additional Course Fee Schedule

SEC 421 - Student Teaching I (9-12)

Course Description:

Candidates will observe and teach in specific content area in secondary public school classrooms.

Credit Hours: 3 Additional Restrictions/Requirements:

Only open to students pursuing secondary teaching licensure.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:

Additional Course Fee Schedule

SEC 425 - iSTEM - Student Teaching II

Course Description:

iSTEM Student Teaching II is the co-planning and co-teaching practical experience for students seeking to become secondary STEM teachers. Students will develop, teach and assess student learning in a secondary STEM classroom setting with an emphasis on project-based instruction.

Credit Hours: 3 Prerequisite Courses: SEC 407 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SEC 425-iSTEM - Teaching Internship II

Course Description:

The iSTEM Teaching Internship II is the co-planning and co-teaching practical experience for students seeking to become secondary STEM teachers. Students will develop, teach and assess student learning in a secondary STEM classroom setting with an emphasis on project-based instruction. This course is required for students who complete the iSTEM with Teacher Licensure minor. The course should be taken with upper level discipline area courses and SEC 407-iSTEM .

Credit Hours: 3 Corequisite Courses:

SEC 407-iSTEM

SEC 430 - Seminar-Leadership, Reflection and Management Practices

Course Description:

Development of instructional skills required for successful teaching with regard for the particular needs of the student's academic discipline. Emphasis is given to 1) acquisition of leadership qualities and characteristics, 2) professional documentation of reflective growth, and 3) integration of effective behavior management strategies.

Credit Hours: 3 Corequisite Courses:

SEC 431

Additional Restrictions/Requirements:

All professional core and specialty area courses, acceptance into the Watson School of Education, and a 2.70 GPA on all work attempted at UNCW.

University Studies: ["Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SEC 431 - Student Teaching - Secondary Education

Course Description:

Students will be assigned full-time, or equivalent, to practicum sites within their areas of specializations. Students will engage in a variety of supervised instructional activities, assuming increasingly wider responsibility for class instruction. Practica are offered in the following areas of specialization: biology, chemistry, English, geology, history, mathematics, music, physics, and social studies.

Credit Hours: 12 Corequisite Courses:

SEC 430

Additional Restrictions/Requirements:

As specified for SEC 430 .

University Studies: ["Building Competencies/Information Literacy", "Explorations Beyond the Classroom", "Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 12 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:

Additional Course Fee Schedule

SEC 432 - iSTEM - Student Teaching III

Course Description:

Students will be placed in STEM practicum sites and teach in their areas of specialization and licensure. Students will apply knowledge of content, pedagogy and research skills during the experience. They will demonstrate evidences of integrated STEM teaching and learning in a secondary setting. Students must achieve "met" in all areas of the Intern Performance Scale/Certification of Teaching Capacity to be recommended for iSTEM secondary licensure.

Credit Hours: 9 Corequisite Courses:

SEC 430

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 9

SEC 432-iSTEM - Teaching Internship III

Course Description:

Corequisite: SEC 430-iSTEM. Students will be placed in iSTEM practicum sites and teach in their areas of specialization and licensure. Students will apply knowledge of

content, pedagogy and research skills during the experience. They will demonsstrate evidences of integrated iSTEM teaching and learning in a secondary setting. Students must achieve "met" in all areas of the Intern Performance Scale/Certification of Teaching Capacity to be recommended for iSTEM secondary licensure.
This course may be taken with capstone discipline area courses with iSTEM designation. Students who are taking this course must have been submiitted to Watson School of Education and have completed other requirements for this minor. Students must have and maintain a 2.70 GPA at UNCW to enroll and complete iSTEM Teaching Internship III.
Credit Hours: 9

SEC 435 - iSTEM - Education E-Portfolio and Reflective Seminar

Course Description:
The course supports students' professional growth and reflection throughout the internship. It focuses on planning and developing effective integrated STEM instructional strategies and assessing the impact of instruction on student learning. Emphasis is given to 1) acquisition of STEM leadership qualities and characteristics, 2) professional documentation of reflective growth, and 3) integration of effective classroom management strategies. This course also involves completing a research project conducted during the internship and developing an oral presentation of the project.
Credit Hours: 3 Corequisite Courses:
SEC 431
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SEC 435-iSTEM - Education E-Portfolio and Reflective Seminar

Course Description:
The course supports students' professional growth and reflection throughout the internship. It focuses on planning and developing effective integrated STEM instructional strategies and assessing the impact of instruction on student learning. Emphasis is given to: 1) acquisition of STEM leadership qualities and characteristics, 2) professional documentation of reflective growth, and 3) integration of effective classroom management strategies. This course also involves completing a research project conducted during the internship an developing an oral presentation of the project.
This course is required for students who are completing the iSTEM with Teaching

Licensure Minor.
Credit Hours: 3 Corequisite Courses:
SEC 432-iSTEM

SWK 105 - Facing Life's Challenges: Resilience, Hope and Happiness

Course Description:
Explores the necessary changes and challenges faced by individuals, families, and communities as part of this thing called "life." Focus will be on how each of us can foster resilience, hope and happiness in the face of life's demands from simple changes to traumatic events.
Credit Hours: 3 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SWK 106 - Social Work Global Visions: Citizens, Issues and Approaches

Course Description:
Explores the global issues faced by disenfranchised people around the world, including issues of diversity, poverty, political issues, economic concerns and environmental issues. How social work on an international level addresses these issues through collective strength-based practice will be covered.
Credit Hours: 3 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SWK 235 - Introduction to Social Work and the Social Welfare System

Course Description:
Social welfare institution and the social work profession in the United States; the values, methods and roles of social workers and the history of the system.
Credit Hours: 3 Additional Restrictions/Requirements:
Students must earn a "C" or better in each SWK course in order to progress in the program.
University Studies: ["Approaches and Perspectives/Understanding Human Institutions and Behaviors"] Course Repeatability: Course may not be repeated.

SWK 240 - Basic Working Relationship Skills

Course Description:
Multi-cultural working relationship skills for generalist practice, building client-directed partnerships, interviewing, and transitioning from services using a

strengths-based and solution-focused perspective. Process recordings, case assessments, social work ethics, values and diversity are covered.
Lab:
The lab for this course is SWKL 240 .
Credit Hours: 3 Corequisite Courses:
SWKL 240 and SWK 320 and SWK 355 .
Prerequisite Courses:
Prerequisite or corequisite: SWK 235 .
Additional Restrictions/Requirements:
Restricted to BSW majors main campus and/or extension site. Students must earn a "C" or better in each SWK course in order to progress in the program.
Course Repeatability: Course may not be repeated.

SWK 294 - Social Work Study Abroad I

Course Description:
This course provides Social Work undergraduate study abroad opportunities.

Credit Hours: 1 To 6 University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated.

SWK 310 - Social Work with Older Adults

Course Description:
Examines the status of the elderly and specific problems they confront in modern society. Focuses on social agencies and other service resources. Analyzes policies. Major emphases on practice, service settings and special populations.
Credit Hours: 3 Prerequisite Courses:
SWK 235 or GRN 101 .
Additional Restrictions/Requirements:
Students must earn a "C" or better in each SWK course in order to progress in the program.
Course Repeatability: Course may not be repeated.

SWK 311 - Child Abuse and Neglect

Course Description:
Study of the knowledge base, laws, and professional roles associated with contemporary child welfare practice. Identification of child maltreatment, reporting procedures and community-based interdisciplinary practice issues are emphasized. Upon acceptance to the NC Child Welfare Education Collaborative, students must complete both SWK 311 and SWK 312 before admission to a DSS field placement.

Credit Hours: 3 Additional Restrictions/Requirements:

Students must earn a "C" or better in each SWK course in order to progress in the program.

Course Repeatability: Course may not be repeated.

SWK 312 - Seminar on Practice in Children, Youth, and Family Services

Course Description:

Second of two-course sequence to prepare students for contemporary child welfare practice. Focused study of skills, tasks, and best practices associated with public child welfare services. Upon acceptance to the NC Child Welfare Education Collaborative, students must complete both SWK 311 and SWK 312 before admission to a DSS field placement.

Credit Hours: 3 Prerequisite Courses:

SWK 311 .

Additional Restrictions/Requirements:

Students must earn a "C" or better in each SWK course in order to progress in the program.

Course Repeatability: Course may not be repeated.

SWK 315 - Issues for Social Workers in Mental Health

Course Description:

Concepts of mental health and practice in social context. Managed care, models of practice, rural community mental health, and future directions in community health, all considered in a multicultural perspective.

Credit Hours: 3 Prerequisite Courses: SWK 235 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SWK 316 - Generalist Social Work in Rural Communities

Course Description:

A survey of rural community life, its institutions, value systems, customs, and their implications for social work practice. Issues dealing with migrant workers and Native American cultures.

Credit Hours: 3 Prerequisite Courses: SWK 235 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SWK 318 - Social Work and Health Care Delivery

Course Description:

An examination of the rationale, issues, problems and practices related to the implementation of client-centered health care. New programs and proposals for the

delivery of health services will be reviewed systematically with reference to the implications for social work practice.
Credit Hours: 3 Prerequisite Courses:
SWK 235 .
Additional Restrictions/Requirements:
Students must earn a "C" or better in each SWK course in order to progress in the program.
Course Repeatability: Course may not be repeated.

SWK 319 - Ethical Decision Making in Social Work Practice

Course Description:
Study of ethical issues in social work practice with emphasis upon application of NASW Code of Ethics.
Credit Hours: 3 Prerequisite Courses: SWK 235 Additional Restrictions/Requirements:
Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SWK 320 - Human Behavior and the Social Environment I

Course Description:
Perspectives on human development and behavior in diverse contexts, including: culture, oppression, poverty, gender, ethnicity, physical and social settings. Implications for social work practice and policies. Prenatal Through Adolescence.
Credit Hours: 3 Corequisite Courses:
SWK 240 and SWK 355 , and SWKL 240 , each with a grade of 'C' or better.
Prerequisite or Corequisite Courses:
SWK 235 with a grade of 'C' or better.
Additional Restrictions/Requirements:
Restricted to BSW majors main campus and/or extension site. Students must earn a "C" or better in each SWK course in order to progress in the program.
University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

SWK 321 - Human Behavior and the Social Environment II

Course Description:
Perspectives on human development and behavior in diverse contexts, including: culture, oppression, poverty, gender, ethnicity, physical and social settings. Implications for social work practice and policies. Young Adulthood Through Death.
Credit Hours: 3 Corequisite Courses:
SWK 396 and SWK 443 , each with a grade of 'C' or better.
Prerequisite Courses:

SWK 320 with a grade of 'C' or better.

Additional Restrictions/Requirements:

Restricted to BSW majors main campus and/or extension site. Students must earn a "C" or better in each SWK course in order to progress in the program.

University Studies: ["Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

SWK 335 - Social Welfare Policies

Course Description:

Social, cultural, economic, and political influences on the social welfare system. Policymaking, program development and planning.

Credit Hours: 3 Corequisite Courses:

SWK 396 .

Prerequisite Courses:

SWK 235 and PLS 101 .

Additional Restrictions/Requirements:

Restricted to BSW majors main campus and/or extension site. Students must earn a "C" or better in each SWK course in order to progress in the program.

University Studies: ["Approaches and Perspectives/Understanding Human Institutions and Behaviors", "Building Competencies/Information Literacy", "Writing Intensive"] Course Repeatability: Course may not be repeated.

SWK 341 - Generalist Social Work Practice with Individuals and Families

Course Description:

Client-directed strengths-based and solution-focused generalist practice with individuals and families. Assessments, progress notes, case management, working with mandated clients, crisis and trauma work covered.

Credit Hours: 3 Corequisite Courses:

SWK 407 and SWK 497 .

Prerequisite Courses:

SWK 240 and SWKL 240 and SWK 442 and SWK 443 .

Additional Restrictions/Requirements:

Restricted to BSW majors main campus and/or extension site. Students must earn a "C" or better in each SWK course in order to progress in the program.

Course Repeatability: Course may not be repeated.

SWK 355 - Issues in Diversity for Generalist Practice

Course Description:

Values, biases, and prejudices which produce personal and social vulnerability. Consequences in the lives of people of color, women, the poor, gays and lesbians, and others.

Credit Hours: 3 Corequisite Courses:

SWK 240 and SWKL 240 and SWK 320 , each with a grade of 'C' or better.

Prerequisite or Corequisite Courses:

SWK 235 with a grade of 'C' or better.

Additional Restrictions/Requirements:

Restricted to BSW majors main campus and/or extension site. Students must earn a "C" or better in each SWK course in order to progress in the program.

University Studies: ["Approaches and Perspectives/Living in Our Diverse Nation"] Course Repeatability: Course may not be repeated.

SWK 366 - Introduction to Substance Use Disorders and Addictions

Course Description:

Introduction to the dilemma of substance use disorders and addictions, an overview of habit-forming substances, as well as strengthening student awareness of signs and symptoms present when initiating work with individuals dealing with substance abuse and addictions.

Credit Hours: 3 Additional Restrictions/Requirements:

Restricted to BSW majors main campus and/or extension site. Students must earn a "C" or better in each SWK course in order to progress in the program.

Crosslisting:

SWK 566

Course Repeatability: Course may not be repeated.

SWK 396 - Pre-Field Seminar

Course Description:

Explore professional expectations of field education, including ethical standards of the NASW Code of Ethics. Preparation of a resume, identification of the student's learning style, and exploration of diverse agencies and fields of practice.

Credit Hours: 1 Corequisite Courses:

SWK 321 and SWK 355 and SWK 443 .

Prerequisite Courses:

SWK 235 and SWK 240 and SWK 320 .

Additional Restrictions/Requirements:

Restricted to BSW majors main campus and/or extension site. Students must earn a

"C" or better in each SWK course in order to progress in the program.
Course Repeatability: Course may not be repeated.

SWK 406 - Research Methods for Social Work Practice I

Course Description:

Research methodologies in social work practice; client-centered research questions, theoretical frameworks, research design sampling, data collection, analysis and report writing.

Credit Hours: 3 Corequisite Courses:

SWK 496 .

Prerequisite Courses:

SWK 321 .

Additional Restrictions/Requirements:

Restricted to BSW majors main campus and/or extension site. Students must earn a "C" or better in each SWK course in order to progress in the program.

University Studies: ["Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated.

SWK 407 - Statistics and Research Methods for Social Work Practice

Course Description:

Program/Practice Evaluation: group and single-subject designs, applications, data analysis, and ethical considerations.

Credit Hours: 3 Corequisite Courses:

SWK 497 .

Prerequisite Courses:

SWK 406 or CHHS 411 .

Additional Restrictions/Requirements:

Restricted to BSW majors main campus and/or extension site. Students must earn a "C" or better in each SWK course in order to progress in the program.

SWK 417 - Constructing Masculinities: from Boyhood to Manhood

Course Description:

Impact of biological-psychological-social/cultural influences on male development, the construction of multiple masculinities and the consequent impact on men's lives, their families, and society. Discussion of implications for social work practice and social policy.

Credit Hours: 3 Prerequisite Courses: SOC 105 Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SWK 418 - Social Work Practice in the School Environment

Course Description:
Examines legislation shaping contemporary public education and school social work services in North Carolina. Emphasis on strengths-based, solution-focused social work intervention across the spectrum of social, emotional, and behavioral needs of students to enhance school performance. This course and a field placement in a school setting are required for NC School Social Work Certification.
Credit Hours: 3 Corequisite Courses:
SWK 496 .
Additional Restrictions/Requirements:
Corequisite course, or consent of instructor. Students must earn a "C" or better in each SWK course in order to progress in the program.
Course Repeatability: Course may not be repeated.

SWK 425 - Mindfulness: Implications for Personal Wellbeing and Professional Practice

Course Description:
Elective course open to all majors and designed to acquaint students with the concept of mindfulness, its connection to personal wellbeing,and its relevance to future professional practice.
Credit Hours: 3 Additional Restrictions/Requirements:
Students must earn a "C" or better in each SWK course in order to progress in the program.
Crosslisting:
SWK 525
Course Repeatability: Course may not be repeated.

SWK 442 - Generalist Social Work Practice with Groups

Course Description:
Basic group typology and dynamics applied to task and treatment groups in generalist social work practice. Client-directed strengths-based skills for a range of treatment and task groups.
Credit Hours: 3 Corequisite Courses:
SWK 496 .
Prerequisite Courses:
SWK 443 .

Additional Restrictions/Requirements:

Restricted to BSW majors, main campus and/or extension site. Students must earn a "C" or better in each SWK course in order to progress in the program.

Course Repeatability: Course may not be repeated.

SWK 443 - Social Work Practice with Communities and Organizations

Course Description:

Knowledge, values, and skills common to social work practice at the community and organizational levels. Principles of social planning, community development, and social action. Topics include needs assessment, program planning and development, organizational change and program evaluation.

Credit Hours: 3 Corequisite Courses:

SWK 321 and SWK 396 .

Prerequisite Courses:

SWK 240 and SWK 320 .

Additional Restrictions/Requirements:

Restricted to BSW majors, main campus and/or extension site. Students must earn a "C" or better in each SWK course in order to progress in the program.

Course Repeatability: Course may not be repeated.

SWK 444 - Healing and the Mind: An Integrative Practice

Course Description:

Covers research in neurobiology, interpersonal neuroscience, positive psychology and mindfulness. Integrates these findings into experiential exercises in personal development and practice in the fields of physical and emotional health, human services and schools.

Credit Hours: 3 Crosslisting:

SWK 544

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SWK 450 - The Culture of Military Life and Entering the War Zone

Course Description:

Understanding the fundamental culture of military life and training and the experience of troops entering the war zone: norms, language, rank, military justice, and family life. Using the concept of 'battle mind' the course will cover the requirements of troop preparation for combat and their entering the war zone.

Preparation for social work students to be able to work with veterans, active military and their families.

Credit Hours: 3 Prerequisite Courses:

SWK 235 .

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor. Students must earn a "C" or better in each SWK course in order to progress in the program.

Crosslisting:

SWK 550

Course Repeatability: Course may not be repeated.

SWK 451 - Returning from the War Zone: Consequences, PTSD, Traumatic Injury, Interventions and Preventative Me

Course Description:

Students will learn the potential consequences for troops returning home to state side military life and family life: Confronting stress, trauma, depression, anxiety, addiction, anger, panic reactions, PTSD resulting from war zone service. Methods of prevention and intervention will be covered.

Credit Hours: 3 Prerequisite Courses:

SWK 450 .

Additional Restrictions/Requirements:

Students must earn a "C" or better in each SWK course in order to progress in the program.

Crosslisting:

SWK 551

Course Repeatability: Course may not be repeated.

SWK 460 - Grant Writing for Human Services

Course Description:

Study and development of grant writing skills for human service workers. Course discusses development of needs assessment, goal setting, program design, evaluation, budgeting and securing funding sources.

Credit Hours: 3 Additional Restrictions/Requirements:

Students must earn a "C" or better in each SWK course in order to progress in the program.

Course Repeatability: Course may not be repeated.

SWK 491 - Directed Individual Study

Course Description:

Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.

Credit Hours: 1 To 3 Additional Restrictions/Requirements:

Junior or senior standing, overall GPA of at least 2.00, and consent of instructor, department chair and dean.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

SWK 494 - Undergraduate Social Work Study Abroad II

Course Description:

This course provides Social Work advanced undergraduate study abroad opportunities.

Credit Hours: 1 To 6 Additional Restrictions/Requirements:

Instructor approval

Course Repeatability: Course may be repeated.

SWK 495 - Topical Seminar

Course Description:

Discussion of selected topics in social work. May be repeated under a different subtitle.

Credit Hours: 1 To 3 Prerequisite Courses:

SOC 105 and SWK 235 .

Additional Restrictions/Requirements:

Prerequisite courses and consent of instructor. Students must earn a "C" or better in each SWK course in order to progress in the program.

Course Repeatability: Course may be repeated.

SWK 496 - Field Practicum I

Course Description:

Development and application of skills used in social work practice. Supervision of student field experience in a community social service setting. Analysis and discussion of field experiences in a series of field seminars to be arranged by the field liaison.

Credit Hours: 6 Corequisite Courses:

SWK 406 or CHHS 411 and SWK 442 .

Prerequisite Courses:

SWK 396 and SWK 321 and SWK 443 and SWK 355 .

Additional Restrictions/Requirements:

Restricted to BSW majors main campus and/or extension site. Consent of instructor, and 2.5 overall GPA.Students must earn a "C" or better in each SWK course in order to progress in the program.
University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated.

SWK 497 - Field Practicum II

Course Description:

Development and application of skills used in social work practice. Supervision of student field experience in a community social service setting. Analysis and discussion of field experiences in a series of field seminars to be arranged by the field liaison.
Credit Hours: 6 Corequisite Courses:

SWK 407 and SWK 321 .
Prerequisite Courses:

SWK 496 and SWK 396 and SWK 321 and SWK 443 and SWK 355 .
Additional Restrictions/Requirements:

Restricted to BSW majors main campus and/or extension site. Consent of instructor and 2.5 overall GPA. Students must earn a "C" or better in each SWK course in order to progress in the program.
University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated.

SWK 499 - Honors Work in Social Work

Course Description:

Independent study for honors students.
Credit Hours: 2 To 3 Additional Restrictions/Requirements:

Senior standing and eligibility for honors program.
University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

SWKL 240 - Working Relationship Lab

Course Description:

Students will practice the basic working relationship interviewing skills, and engage in a service-learning project.
Lab:

This course is the lab for SWK 240 .
Credit Hours: 1 Corequisite Courses:

SWK 240 and SWK 320 and SWK 355 , each with a grade of 'C' or better.
Prerequisite or Corequisite Courses:

SWK 235 with a grade of 'C' or better.
Additional Restrictions/Requirements:
Restricted to BSW majors main campus and/or extension site. Students must earn a "C" or better in each SWK course in order to progress in the program.
Course Repeatability: Course may not be repeated.

SOC 105 - Introduction to Sociology

Course Description:
Introduction to the scientific study of human society and social behavior.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Understanding Human Institutions and Behaviors"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SOC 200 - Sociology of Sport

Course Description:
A sociological examination of the rise of sport in contemporary society. Topics such as the social organization of sports, women and sports, sports and violence, inter-scholastic sports and achievement behavior, discrimination and sports, and the future of sports are covered.
Credit Hours: 3 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SOC 215 - Modern Social Problems

Course Description:
Contemporary social issues and conditions viewed as problematic, such as racism, sexism, crime, poverty, war, alienation, and deviance.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Understanding Human Institutions and Behaviors"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SOC 220 - Sociology of Death and Dying

Course Description:
Examination of the sociological dimensions of death in modern society. The social organizational and cultural dimensions of death will be considered in terms of rites of passage, bureaucratization, social movements, cultural differences, and historical and contemporary contexts.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Understanding Human Institutions and Behaviors"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SOC 225 - Social Inequalities & Diversity

Course Description:

Study of social inequalities, with a particular focus on race, ethnicity, class, gender and sexual orientation.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in Our Diverse Nation"] Course Repeatability: Course may not be repeated.

SOC 240 - Individuals and Societies in a Global World

Course Description:

Introduction to globalization as an ongoing socio-economic process and as an analytical concept. Examines various aspects of globalization of economies and societies.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in a Global Society"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SOC 250 - Issues in Social Justice

Course Description:

Overview of the sociological study of social justice and policies that proclaim to promote social justice in the United States. Examines various forms of institutionalized inequality on the basis of social class, race/ethnicity, gender and sexuality.

Credit Hours: 3 Prerequisite Courses:

SOC 105 .

University Studies: ["Approaches and Perspectives/Living in a Diverse Nation"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SOC 255 - Criminology

Course Description:

May not be taken for credit if student has already completed SOC 256 or CRM 256 [Inactive]. The scientific study of the nature, extent, correlates and etiology of crime, with an emphasis on sociological theories of crime. Topics include crimes against persons and property, public order crimes, and both informal and formal reactions to crime.

Credit Hours: 3 Prerequisite Courses: SOC 105 or CRM 105 University Studies: ["Approaches and Perspectives/Understanding Human Institutions and Behaviors"] Crosslisting:

CRM 255

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SOC 256 - Criminology: Writing Intensive

Course Description:

May not be taken for credit if student has already completed SOC 255 or CRM 255.

The scientific study of the nature, extent, correlates, and etiology of crime, with an emphasis on sociological theories of crime. Topics include crimes against persons and property, public order crimes, and both informal and formal reactions to crime. This course will require students to submit formal written work as well as informal writing assignments.

Credit Hours: 3 Prerequisite Courses: CRM 105 or SOC 105 University Studies: ["Approaches and Perspectives/Understanding Human Institutions and Behaviors", "Building Competencies/Writing Intensive"] Crosslisting:

CRM 256 [Inactive]

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SOC 260 - Poverty Studies

Course Description:

Examination of the nature and extent of poverty in the United States. Discussion of poverty measurement, characteristics, poverty population, international comparisons, underlying causes of poverty and government programs and policies that address poverty.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in Our Diverse Nation", "Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SOC 300 - Methods of Social Research

Course Description:

Introduction to logic and methods of sociological research. Topics include connections between theory and research, problem formulation and research design, conceptualization and measurement, sampling modes of observation and analysis, ethical issues, and the political context of research.

Credit Hours: 3 Prerequisite or Corequisite Courses:

STT 215 or MAT 101 or higher (excluding MAT 141 or MAT 142).

Prerequisite Courses:

SOC 105 or CRM 105

Additional Restrictions/Requirements:

Prerequisite courses or higher (excluding MAT 141 and MAT 142), or a score of 4 or higher on the UNCW math placement test.

University Studies: ["Building Competencies/Information Literacy"] Crosslisting:

CRM 300

Course Repeatability: Course may not be repeated. Major Restriction: Sociology or Criminology Minor Restriction: Sociology or Criminology

SOC 301 - Sociological Data Analysis and Interpretation

Course Description:

Instruction in computer-assisted univariate and bivariate analysis and interpretation of social science data.

Credit Hours: 3 Prerequisite Courses:

CRM 105 or SOC 105, and CRM 300 or SOC 300, STT 215 or MAT 101 or higher (excluding MAT 141, MAT 142)

University Studies: ["Common Requirements/Critical Reasoning"] Crosslisting:

CRM 301

Course Repeatability: Course may not be repeated.

SOC 303 - Media and Society

Course Description:

The relationship between mass media, culture, and society with special emphasis on the social, political, and economic contexts of the mass media. Media examined include television, the press, films, popular music, and the electronic superhighway.

Credit Hours: 3 Prerequisite Courses: SOC 105 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SOC 304 - Popular Culture

Course Description:

Sociological analysis of popular forms of everyday life in America: fashion, fads, entertainment trends, advertising, television programming, music, myths, stereotypes, and icons of mass-mediated culture.

Credit Hours: 3 Prerequisite Courses: SOC 105 University Studies: ["Approaches and Perspectives/Living in Our Diverse Nation", "Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SOC 305 - Demography

Course Description:

A study of the changes in size, composition, distribution of population and the dynamics underlying them.

Credit Hours: 3 Prerequisite Courses: SOC 105 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SOC 306 - Sociology of Culture

Course Description:

Overview and analysis of the interplay between social and cultural structures. Examination of research in and theories of culture and social structure's dialectical relationship; dominant ideology and hegemony; cultural capital and cultural reproduction; symbol, ritual, and moral order; knowledge production and

transformation; dynamics of cultural change.
Credit Hours: 3 Prerequisite Courses: SOC 105 Additional Restrictions/Requirements:
Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SOC 315 - Urban Sociology

Course Description:
Analysis of the history and development, social organization, and problems of the city.
Credit Hours: 3 Prerequisite Courses: SOC 105 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SOC 320 - Rural Sociology

Course Description:
An examination of the issues and perspectives in rural sociology. Multiple sociological aspects of rural life will be explored focusing on gender, race, social class and social change.
Credit Hours: 3 Prerequisite Courses: SOC 105 University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SOC 321 - Immigration and U.S. Society

Course Description:
Sociological considerations of immigration with a focus on the U.S. Major topics include why people migrate, the role of immigration and the immigration system in the larger society, how immigrants impact U.S. society, how social locations and institutions shape immigrants' lives.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Understanding Human Institutions and Behaviors", "Approaches and Perspectives/Living in a Diverse Nation"] Course Repeatability: Course may not be repeated.

SOC 325 - Racial and Ethnic Group Relations

Course Description:
An examination of race and ethnicity in modern societies and social, economic, and political inequalities among racial and ethnic groups. Major topics include political-economic causes and consequences of prejudice, racism and institutional discrimination; social history of intergroup relations in the United States; comparative intergroup relations.
Credit Hours: 3 Prerequisite Courses: SOC 105 University Studies: ["Approaches and Perspectives/Living in Our Diverse Nation"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SOC 335 - The Sociology of Deviant Behavior

Course Description:

Analysis of certain behavior in terms of deviations from norms. Application of sociological and psychological concepts and theory to deviant behavior, and critical evaluation of non-sociological research and theories.

Credit Hours: 3 Prerequisite Courses:

SOC 105

Crosslisting:

CRM 335

Course Repeatability: Course may not be repeated.

SOC 336 - Sociology of Aging

Course Description:

Sociological theories and methods used to explain the aging process. Topics include demography, age stratification, aging and the life course, minority elderly, housing patterns, health, and social policy.

Credit Hours: 3 Prerequisite Courses: SOC 105 or GRN 101 University Studies: ["Approaches and Perspectives/Living in Our Diverse Nation", "Approaches and Perspectives/Understanding Human Institutions and Behaviors"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SOC 337 - Medical Sociology

Course Description:

A sociocultural analysis of the general area of health and illness. Emphasis is given to understanding the distribution of health and illness in the United States and its impact on the patient status. The course includes a discussion of the organization and use of health care services from a sociological perspective.

Credit Hours: 3 Prerequisite Courses: SOC 105 University Studies: ["Approaches and Perspectives/Understanding Human Institutions and Behaviors"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SOC 340 - Organizations in Modern Society

Course Description:

An introduction to the dynamics of social life in large-scale organizations. Topics include organizational social psychology, organizational structure and process, and organization-community relations.

Credit Hours: 3 Prerequisite Courses: SOC 105 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SOC 345 - Sociology of the Family

Course Description:

Origin and development of the family as a social institution from an historical and comparative approach; analysis of forms and functions of the family; socialization, mate selection, procreation.

Credit Hours: 3 Prerequisite Courses: SOC 105 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SOC 346 - Sociology of Religion

Course Description:

An analysis of the structure, function and process of religion, emphasizing the reciprocal relation of religion and cultural and religious differentiation and institutionalization.

Credit Hours: 3 Prerequisite Courses: SOC 105 University Studies: ["Approaches and Perspectives/Understanding Human Institutions and Behaviors", "Approaches and Perspectives/Living in Our Diverse Nation"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SOC 347 - Sociology of Education

Course Description:

Historical-comparative sociological analysis of formal education systems in modern societies. Examination of sociological theories of education as they apply to political economy, stratification, social selection, cultural reproduction, and social change.

Credit Hours: 3 Prerequisite Courses:

SOC 105 .

University Studies: ["Approaches and Perspectives/Living in a Diverse Nation, Understanding Human Institutions and Behaviors"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SOC 350 - Gender and Society

Course Description:

Focus on gender in social life. Theoretical explanations of gender differentiation, with an emphasis on socialization, stratification, family, work, education, politics, and social change.

Credit Hours: 3 Prerequisite Courses: SOC 105 University Studies: ["Approaches and Perspectives/Living in Our Diverse Nation"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SOC 355 - Social Movements

Course Description:

Analysis of why people protest and form collectives. Examination of the research and theories in social movements with special attention to origins, dynamics, and

consequences using a sociological lens.
Credit Hours: 3 Prerequisite Courses:
SOC 105 .
University Studies: ["Approaches and Perspectives/Living in a Diverse Nation"] Course Repeatability: Course may not be repeated.

SOC 360 - Social Theory

Course Description:
An introduction to major theoretical perspectives in sociology including functional theory; conflict theory; exchange theory; interactionist theory; and structural theory.
Credit Hours: 3 Prerequisite Courses: SOC 105 Additional Restrictions/Requirements:
Prerequisite course and six additional hours in sociology.
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SOC 365 - Social Psychology

Course Description:
A sociological analysis of human social interaction. Topics include symbolic interaction, socialization, interpersonal relations. Focus is on social and cultural influences on individual and group behavior.
Credit Hours: 3 Prerequisite Courses: SOC 105 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SOC 370 - Sociology through Film

Course Description:
Use of film to examine sociological concepts, social forces, and social issues. Viewing feature-length films with a critical eye enables exploration of social phenomena, including race/ethnicity, social class, gender, sexuality, cultural capital, and social identity.
Credit Hours: 3 Prerequisite Courses: SOC 105 Additional Restrictions/Requirements:
Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SOC 376 - Juvenile Delinquency

Course Description:
The analysis and description of the problem of juvenile delinquency as it exists in a changing contemporary society.
Credit Hours: 3 Prerequisite Courses: SOC 105 Crosslisting:
CRM 376
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SOC 377 - Restorative Justice

Course Description:

Study of restorative justice as a global and local reform strategy to provide meaningful justice options to people whose lives have been impacted by crime. Explores the theory, practice, and empirical findings associated with restorative justice. Applied learning is central to this class in that circle process is used throughout the semester as a platform for instruction.

Prerequisite or Corequisite Courses:

CRM 105 / SOC 105 and CRM 255 / SOC 255 or CRM 256 / SOC 256

Additional Restrictions/Requirements:

Or permission of instructor.

Course Repeatability: Course may not be repeated.

SOC 380 - Social Classes

Course Description:

Examination of social stratification as the system of distribution of privilege, power and prestige in modern and traditional societies. Discussion of major theories and theorists of stratification; the structure and process of systems of social inequality; the causes, correlates and consequences of socially structured inequality.

Credit Hours: 3 Prerequisite Courses: SOC 105 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SOC 385 - Environmental Sociology

Course Description:

Examination of human-environment interactions from a sociological perspective. Focus on culture, patterns of inequalities, consumption, and beliefs about the environment and their impacts on the natural world.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in a Diverse Nation", "Approaches and Perspectives/Understanding Human Institutions and Behaviors"] Course Repeatability: Course may not be repeated.

SOC 391 - Public and Applied Sociology and Criminology Seminar

Course Description:

Application of sociological tools to real-life issues in a variety of social settings. Methods may include surveys, interviews, focus groups, secondary data analysis, and evaluation applications. Development of proposals for research projects conducted in a second, sequenced course in the following semester.

Credit Hours: 3 Prerequisite or Corequisite Courses:

SOC 301 or CRM 301 .

Prerequisite Courses:

SOC 300 or CRM 300 , and SOC 360 .

University Studies: ["Building Competencies/Information Literacy", "Explorations Beyond the Classroom"] Crosslisting:

CRM 391

Course Repeatability: Course may not be repeated.

SOC 399 - Topical Seminar

Course Description:

Discussion of selected topics in sociology. May be repeated under a different subtitle.

Credit Hours: 1 To 3 Prerequisite Courses: SOC 105 Additional Restrictions/Requirements:

Prerequisite course and consent of instructor.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 9

SOC 415 - Globalization and Development

Course Description:

An examination of development and globalization theories and globalization processes in the 21st century through comparative development analysis.

Credit Hours: 3 Prerequisite Courses: SOC 105 Additional Restrictions/Requirements:

Prerequisite course and 3 additional hours in sociology at the 300 level.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SOC 433 - Sociology of Mental Disorder

Course Description:

Examination of the influences of race, social class, gender, and age on the incidence and prevalence of mental disorder. Consideration of the institutions that help those with mental disorders. Review of mental health law, including definitions of dangerousness, insanity as defense, mental health courts, and the right to treatment.

Credit Hours: 3 Prerequisite Courses:

SOC 105 .

University Studies: ["Approaches and Perspectives/Understanding Human Institutions and Behaviors"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SOC 438 - Social Epidemiology

Course Description:

Methods and substance of social epidemiology; demographics of illness in American society. Case studies linking environmental and behavioral variables to disease incidence examined. Specific attention to the social response to AIDS and other

communicable diseases.
Credit Hours: 3 Prerequisite Courses: SOC 105 Additional Restrictions/Requirements:
Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SOC 449 - Sociology of Law

Course Description:
Analysis of the role of law in society. Special emphasis given to the relationship between law and social organization and the relation of sociocultural changes to substantive and procedural aspects of law. Law viewed as a collectivistic-individualistic process and as a reflection of sociocultural values.

Credit Hours: 3 Prerequisite Courses:
SOC 105 .
Additional Restrictions/Requirements:
Junior or senior standing.
Crosslisting:
CRM 449
Course Repeatability: Course may not be repeated.

SOC 486 - Sociology of Work and Occupations

Course Description:
Analysis of the place of work in society. Examines occupational structures as the primary link between persons and the larger society. Topics include the growth and development of occupational structure, occupations and technological change, and organizational complexity.
Credit Hours: 3 Prerequisite Courses: SOC 105 Additional Restrictions/Requirements:
Prerequisite course and three additional hours in sociology or economics.
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SOC 491 - Directed Individual Study

Course Description:
Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.
Credit Hours: 1 To 3 Additional Restrictions/Requirements:
Junior or senior standing, overall GPA of at least 2.00, and consent of instructor, department chair and dean.
University Studies: ["Explorations Beyond the Classroom/Certified Internship Program"] Course

Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

SOC 495 - Sociology Senior Seminar

Course Description:

A topical seminar in which students apply the sociological theory and methods they have learned as a major to a collaborative research project and paper. Required oral presentations fulfill the oral competency requirement. The seminar is the capstone course for sociology majors.

Credit Hours: 3 Prerequisite Courses: SOC 301 and SOC 360 Additional Restrictions/Requirements:

Senior standing.

University Studies: ["Building Competencies/Writing Intensive", "Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SOC 496 - Practicum in Public and Applied Sociology and Criminology

Course Description:

Completion of student research proposed and approved in CRM/SOC 391, as well as completion of a practicum or internship. The second course in a two-semester capstone sequence.

Credit Hours: 6 Prerequisite Courses:

SOC 300 or CRM 300 , and SOC 301 or CRM 301 , and SOC 360 , and SOC 391 or CRM 391 .

Additional Restrictions/Requirements:

Junior or senior class standing.

University Studies: ["Building Competencies/Writing Intensive", "Explorations Beyond the Classroom", "Common Requirements/Critical Reasoning"] Crosslisting:

CRM 496

Course Repeatability: Course may not be repeated.

SOC 498 - Internship in Sociology

Course Description:

The application of sociological theory and concepts under supervision at a site in which the student observes and participates in highly organized social interaction. Placement must be approved by faculty coordinator, department chair, and dean in the semester prior to the internship.

Credit Hours: 1 To 6 Prerequisite Courses: SOC 300 and SOC 301 and SOC 360 Additional Restrictions/Requirements:

Junior or senior standing, prerequisite courses, at least a 2.00 GPA, and consent of instructor. Cannot take internship and practicum.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

SOC 499 - Honors Work in Sociology

Course Description:

Independent work for honors students in which students apply sociological theory and methods to a major research project and paper that is then presented orally before an examining committee. Honors work is typically completed in two 3 credit hour semesters. **This course serves as an alternative to the SOC 490 [Inactive] capstone requirement for sociology general track majors. Satisfies College of Arts and Sciences oral communication requirement.**

Credit Hours: 2 To 3 Prerequisite Courses: SOC 301 and SOC 360 Additional Restrictions/Requirements:

Junior or senior standing, prerequisite courses, and eligibility for honors program.

University Studies: ["Writing Intensive", "Information Literacy", "Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

SENG 201 - Software Engineering Fundamentals

Course Description:

Introduction to the basic skills of software engineering. Students learn version control, program verification techniques, flow analyses, formal code documentation, software diagramming, and the software lifecycle. Students learn information literacy practices relevant to software implementation. Coursework focuses on the relation between software tools and operating system concepts in Linux. Group work is required.

Prerequisite Courses:

CSC 131 with a C or better

University Studies: ["Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

SENG 291 - Introductory Research in Software Engineering

Course Description:

Software engineering research under faculty supervision beyond what is offered in existing courses.

Credit Hours: 1 Additional Restrictions/Requirements:

Freshman or sophomore standing, and consent of instructor and program coordinator.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 3 Repeat Limit: 2

SENG 301 - Software Systems Analysis

Course Description:

Introduction to analysis techniques used to specify software systems. Students learn requirements engineering techniques, architecture patterns, and formal specification. Students analyze software security, performance, reliability, and usability tradeoffs.

Prerequisite Courses:

SENG 201 with a C or better and CSC 231 with a C or better

University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

SENG 315 - Mobile Applications Development

Course Description:

Concepts and technologies for developing applications on mobile devices, including mobile-platform programming, memory-management, object-oriented paradigms, model-view-controller design, mobile-centric frameworks for networking, multimedia, location-based services, and interface design. Application design, programming, and implemention for a current mobile platform.

Prerequisite Courses:

CSC 331 with a C or better.

Course Repeatability: Course may not be repeated.

SENG 351 - Applied Software Security

Course Description:

Introduction to the development of secure software applications. Consideration of software vulnerability analysis, secure programming best practices, overflows, input sanitization, password security, command injection, database development, and web application development and vulnerabilities. Design, analysis, and implementation of a secure web application.

Prerequisite Courses:

CSC 231 with a grade of C or better or CYBR 251 with a grade of C or better

Course Repeatability: Course may be repeated.

SENG 365 - Client-Side Web Development

Course Description:

Development of applications for the World Wide Web focusing on client-side languages. Introduction to current principles, standards, and best practices in

website design, usability, accessibility, and management through project-based skills. Development in standards-compliant markup, styling, and scripting, including web services programming.

Prerequisite Courses:

CSC 231 or permission of instructor

Course Repeatability: Course may not be repeated.

SENG 401 - Software Construction

Course Description:

Study and practice of contemporary software engineering tools and techniques for the design, implementation and testing of software systems. Consideration of object-oriented design patterns, continuous integration, cloud-based systems, and best practices in system verification and validation. Group software project required.

Prerequisite Courses:

SENG 301 with a grade of C or higher and CSC 331 with a grade of C or higher

Course Repeatability: Course may not be repeated.

SENG 451 - Software Assurance

Course Description:

Introduction to quality assurance, reliability, security in software engineering. Topics include quality/security requirements and specifications; design and code review; techniques for static and dynamic analysis of software; software metrics; advanced testing techniques; reliability growth modeling. Emphasis on software security engineering provided, including threat modeling, secure design principles, secure development processes. Course provides practical application of strategies and principles learned.

Prerequisite or Corequisite Courses:

CSC 450 or SENG 401

Course Repeatability: Course may be repeated.

SENG 458 - Software Practicum I

Course Description:

First semester of a two-semester capstone experience in software development. Definition, implementation, and testing of a software system created for an external customer by student teams. Consideration of software lifecycle methodologies, software project management, stakeholder communication, and team organization. Engineering content emphasizes system architecture, cloud integration, and test automation.

Prerequisite Courses:

SENG 401 with a C or higher

Additional Restrictions/Requirements:

Senior standing required

University Studies: ["Explorations Beyond the Classroom", "Critical Reasoning"] Course Repeatability: Course may not be repeated. Major Restriction: Software Engineering

SENG 459 - Software Practicum II

Course Description:

Second semester of a two-semester capstone experience in software development. Student teams define, implement, and test a software system created for an external customer. Students learn applied techniques for cloud integration, system validation, DevOps, and maintenance.

Prerequisite Courses:

SENG 458

Additional Restrictions/Requirements:

Senior standing required

University Studies: ["Critical Reasoning", "Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated. Major Restriction: Software Engineering

SENG 465 - Server-Side Web Development

Course Description:

Hands-on development of dynamic web applications via server-side languages and corresponding database APIs; implementation of industry best practices regarding data; secure authentication; digital certificates; session-handling; introduction to cryptography and e-commerce. Practical experience with form validation and website security using database principles and query techniques.

Prerequisite or Corequisite Courses:

SENG 365 or CSC 365

Course Repeatability: Course may not be repeated.

SENG 475 - Topics in Software Engineering

Course Description:

Topics of current interest in software engineering not covered in existing courses. May be repeated under a different subtitle.

Additional Restrictions/Requirements:

Junior or senior standing, or consent of instructor.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12 Repeat Limit: 3 Major Restriction: Software Engineering or Computer Science

SENG 491 - Directed Individual Study

Course Description:

Investigation under faculty supervision beyond what is offered in existing courses. Written experience report and oral presentation required.

Credit Hours: 1 to 3 Additional Restrictions/Requirements:

Junior or Senior standing, overall GPA of at least 2.00 and a GPA in SENG courses of at least 2.80, and consent of instructor, program coordinator, and dean.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12 Repeat Limit: 11

SENG 495 - Seminar in Software Engineering

Course Description:

Research and discussion of contemporary topics in software engineering. Oral presentation required.

Additional Restrictions/Requirements:

Junior or senior standing required.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 3 Repeat Limit: 2 Major Restriction: Software Engineering

SENG 498 - Internship in Software Engineering

Course Description:

Academic training and practical experience through work in a private company or public agency. Faculty supervision and evaluation of all study and on-site activity. Open to students of junior or senior standing who have been approved by the faculty supervisor, department chair, and dean. Written experience report and oral presentation required.

Additional Restrictions/Requirements:

Junior or senior standing, overall GPA of at least 2.50 and a GPA in SENG courses of at least 2.80, and consent of instructor, program coordinator, and dean.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Repeat Limit: 5 Major Restriction: Software Engineering

SENG 499 - Honors Work in Software Engineering

Course Description:

Independent study for honors students.

Additional Restrictions/Requirements:

Eligible for departmental honors or member of Honors College. Junior or senior standing.

University Studies: ["Building Competencies/Writing Intensive", "Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Repeat Limit: 2 Major Restriction: Software Engineering

SPN 101 - Introductory Spanish I

Course Description:

Emphasis on achievement of an active command of the language. Aural-oral practice; intensive study of the basic patterns of spoken Spanish; reading, writing and basic conversation. For students with one unit or less of high school Spanish.

Credit Hours: 3 University Studies: ["Foundations/Foreign Language"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SPN 102 - Introductory Spanish II

Course Description:

Emphasis on achievement of an active command of the language. Aural-oral practice; intensive study of the basic patterns of spoken Spanish; reading, writing and basic conversation.

Credit Hours: 3 Prerequisite Courses: SPN 101 with a minimum grade of C- University Studies: ["Foundations/Foreign Language"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SPN 120 - Fundamentals of Spanish

Course Description:

Review of the fundamental structure of the language. Aural-oral practice to attain basic active reading, writing, speaking, and listening skills. No credit given after the completion of SPN 101 , or SPN 102 . For students with at least 2 units of high school Spanish.

Credit Hours: 3 Additional Restrictions/Requirements:

Appropriate departmental placement test score.

University Studies: ["Foundations/Foreign Language"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SPN 201 - Intermediate Spanish I

Course Description:

Emphasis on achievement of an active command of the language. Aural-oral practice; intensive study of the basic patterns of spoken Spanish; reading, writing and conversation.

Credit Hours: 3 Prerequisite Courses:

SPN 102 or SPN 120 with a minimum grade of C-

Additional Restrictions/Requirements:

Prerequisite courses or appropriate placement test score.

University Studies: ["Foundations/Foreign Language"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SPN 202 - Intermediate Spanish II

Course Description:

Review of the grammatical structure of the language. Application of the language in composition, conversation and readings.

Credit Hours: 3 Prerequisite Courses:

SPN 201 with a minimum grade of C

Additional Restrictions/Requirements:

Prerequisite course or appropriate placement test score. This course cannot be taken if a student is receiving credit for SPN 215.

University Studies: ["Foundations/Foreign Language"] Course Repeatability: Course may not be repeated.

SPN 206 - Spanish in the Media

Course Description:

Emphasis on development of auditory comprehension skills through intense exposure to authentic video and audio materials. Not open to native or heritage speakers of Spanish.

Credit Hours: 3 Prerequisite Courses:

Prerequisite or corequisite: SPN 201 with a minimum grade of C.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SPN 215 - Intermediate Spanish for Bilingual Speakers

Course Description:

An introduction to the grammatical structure of the language designed for students whose home language is Spanish (in lieu of SPN 202). Application of the language in composition, conversation, and reading (fiction and non-fiction) with the goals of applying effective reading techniques and strategies, increasing vocabulary, and improving general and oral communication skills. Analysis of linguistic variation as it pertains to Spanish in its U.S. context and abroad.

Credit Hours: 3 Additional Restrictions/Requirements:

Placement testing. This course cannot be taken if a student is receiving credit for SPN 202.

University Studies: ["Foundations/Foreign Language", "Approaches and Perspectives/Living in Our Diverse Nation"] Course Repeatability: Course may not be repeated.

SPN 294 - Spanish Study Abroad I

Course Description:

Lower division level of special topics relating to the Spanish-speaking world taken abroad from UNCW faculty or as transfer credit. Course may be repeated under

different subtitles.
Credit Hours: 1 To 6 University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

SPN 302 - Reading Strategies for Spanish

Course Description:

Emphasis on reading comprehension and skill development. Application of the Spanish language in composition, conversation, readings, and analysis. Conducted entirely in Spanish, and students are expected to use the language at all times.
Credit Hours: 3 Prerequisite Courses:

SPN 202 with a 'C' or better or SPN 215 with a 'C' or better
Additional Restrictions/Requirements:

Prerequisite course or appropriate placement test score.
Course Repeatability: Course may not be repeated.

SPN 303 - Spanish Conversation

Course Description:

Examination of Spanish-language media to include diligent note-taking of the episodes. Practice in the use of everyday Spanish for enrichment of functional vocabulary and improved fluency. Extensive use of authentic materials; situational communicative exercises.
Credit Hours: 3 Prerequisite Courses:

SPN 202 with a 'C' or better or SPN 215 with a 'C' or better or appropriate placement test score.
Course Repeatability: Course may not be repeated.

SPN 305 - Spanish Composition

Course Description:

Thorough study of Spanish grammatical structures and nuances. Intensive practice in writing, editing and revising papers written in genres such as landscape descriptions, literary portraits, narration of events, and critical essays.
Credit Hours: 3 Prerequisite Courses:

SPN 202 with a 'C' or better or SPN 215 with a 'C' or better or appropriate placement test score.
University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

SPN 306 - Advanced Grammar

Course Description:

Advanced study of grammatical and syntactical structures in Spanish while

improving accuracy and fluency in written and verbal expression across various registers. Class is conducted in Spanish.
Credit Hours: 3 Prerequisite Courses:
SPN 202 with a 'C' or better or SPN 215 with a 'C' or better or appropriate placement test score.
Course Repeatability: Course may not be repeated.

SPN 307 - Spanish Phonetics

Course Description:
Introduction to the sound system of Spanish through theoretical and practical analysis. Students explore the articulation and structure of Spanish sounds, comparing them to English sounds and differences across dialects of Spanish. Students also review accent rules and the correspondence between sounds and letters in Spanish.
Credit Hours: 3 Prerequisite Courses:
SPN 202 with a 'C' or better or SPN 215 with a 'C' or better or appropriate placement test score.
Course Repeatability: Course may not be repeated.

SPN 308 - Hispanic Linguistics

Course Description:
Introduction to Hispanic phonology, morphology, syntax, dialectology, bilingualism, and sociolinguistics.
Credit Hours: 3 Prerequisite Courses:
SPN 202 or SPN 215 with a minimum grade of C, or by placement
University Studies: ["Critical Reasoning"] Course Repeatability: Course may not be repeated.

SPN 310 - Business Spanish

Course Description:
Designed for students who need familiarization with the terminology necessary for the fields of economics, business, accounting, natural sciences and others. Business correspondence in Spanish and the currency systems of the Spanish-speaking countries are included.
Credit Hours: 3 Prerequisite Courses: SPN 305 with a minimum grade of C Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SPN 311 - Spanish Civilization

Course Description:
Geographical, historical and cultural aspects of Spain.
Credit Hours: 3 Prerequisite Courses: SPN 305 with a minimum grade of C Course Repeatability:

Course may not be repeated. Maximum Repeatable Hours: 3

SPN 312 - Spanish-American Civilization

Course Description:

Geographical, historical, and cultural aspects of Spanish America.

Credit Hours: 3 Prerequisite Courses: SPN 305 with a minimum grade of C University Studies: ["Approaches and Perspectives/Living in a Global Society"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SPN 315 - Intermediate Spanish for Bilingual Speakers II

Course Description:

An introduction to the grammatical structure of the language designed for students whose home language is Spanish (in lieu of SPN 302). Application of the language in composition, conversation, and reading. Analysis of linguistic variation as it pertains to Spanish in its U.S. context and abroad.

Credit Hours: 3 Prerequisite Courses:

SPN 215 with a 'C' or better, or appropriate test placement score.

University Studies: ["Foundations/Foreign Language", "Approaches and Perspectives/Living in Our Diverse Nation"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SPN 321 - Introduction to Spanish Literature

Course Description:

Selected readings covering the main currents of Spanish literature; emphasis on textual analysis and criticism in classroom discussions; oral and written reports.

Credit Hours: 3 Prerequisite Courses: SPN 305 with a minimum grade of C University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SPN 322 - Introduction to Spanish-American Literature

Course Description:

Selected readings covering the main currents of Spanish-American Literature; emphasis on textual analysis and criticism in classroom discussions; oral and written reports.

Credit Hours: 3 Prerequisite Courses: SPN 305 with a minimum grade of C University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SPN 323 - Introduction to US Latino Literature and Culture

Course Description:

Selected readings from the literature of Latino communities in the United States; emphasis on textual analysis and criticism in classroom discussions; oral and written

reports.
Credit Hours: 3 Prerequisite Courses: SPN 305 with a minimum grade of C University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives", "Approaches and Perspectives/Living in Our Diverse Nation"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SPN 385 - Introduction to Spanish Cinema

Course Description:

Analysis of representative films by Spanish directors including Luis Buel, Carlos Saura, Pedro Almodar and Bigas Luna, as well as a discussion of recent cinematic works by filmmakers of the younger generation. Films represent a diversity of styles, periods and genres. Course conducted in English.
Credit Hours: 3 Crosslisting:

FST 388
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SPN 394 - Spanish Study Abroad II

Course Description:

Junior-level designation for non-catalogue courses offered by a department abroad. Course may be repeated under different subtitles.
Credit Hours: 1 To 6 University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

SPN 411 - Topics in Spanish Civilization

Course Description:

Advanced study in geographical, historical, and cultural aspects of Spain. Topics focus on specific time periods, geographic areas, or cultural phenomena. May be repeated under a different subtitle.
Credit Hours: 3 Prerequisite Courses:

SPN 311 with a grade of 'C' or better.
University Studies: ["Building Competencies/Writing Intensive", "Building Competencies/Information Literacy"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Repeat Limit: 1

SPN 412 - Topics in Spanish-American Civilization

Course Description:

Advanced study in geographical, historical, and cultural aspects of Spanish America. Topics focus on specific time periods, geographic areas, or cultural phenomena. May be repeated under a different subtitle.
Credit Hours: 3 Prerequisite Courses:

SPN 312 with a grade of C or better

University Studies: ["Approaches and Perspectives/Living in a Global Society","Building Competencies/Information Literacy","Critical Reasoning"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Repeat Limit: 1

SPN 421 - Topics in Spanish Literature

Course Description:

Study of representative Spanish authors, literary movements, and genres.

Credit Hours: 3 Prerequisite Courses:

SPN 321 with a grade of 'C' or better.

University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives", "Building Competencies/Writing Intensive", "Building Competencies/Information Literacy"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Repeat Limit: 1

SPN 422 - Topics in Spanish-American Literature

Course Description:

Study of representative Spanish-American authors, literary movements, and genres.

Credit Hours: 3 Prerequisite Courses:

SPN 322 with a grade of 'C' or better.

University Studies: ["Critical Reasoning", "Building Competencies/Writing Intensive", "Building Competencies/Information Literacy"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Repeat Limit: 1

SPN 485 - Seminar in Spanish Cinema

Course Description:

Advanced study of a selected topic in Spanish cinema. May be repeated under a different subtitle.

Credit Hours: 3 Additional Restrictions/Requirements:

A 300-level course in Spanish.

Crosslisting:

WLC 480 , FRH 485 , FST 480

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

SPN 490 - Service Learning and Research

Course Description:

Study of the Spanish-speaking population in a specific region. Each student completes 30 volunteer hours with a local agency that works with the Spanish-speaking community. A research project related to the Spanish-speaking population of a specific region or community is also required.

Credit Hours: 3 Prerequisite Courses:

SPN 305 with a 'C' or better.

Additional Restrictions/Requirements:

Junior or senior standing.

University Studies: ["Approaches and Perspectives/Living in Our Diverse Nation", "Building Competencies/Information Literacy", "Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated.

SPN 491 - Directed Individual Study

Course Description:

Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.

Credit Hours: 1 To 3 Additional Restrictions/Requirements:

Junior or senior standing, overall GPA of at least 2.00, and consent of instructor, department chair and dean.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

SPN 494 - Spanish Study Abroad III

Course Description:

Upper division level of specialized topics relating to the Spanish-speaking world taken abroad from UNCW faculty or as transfer credit. Course may be repeated under different subtitles.

Credit Hours: 1 To 6 University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

SPN 495 - Seminar in Hispanic Studies

Course Description:

Cooperative study of a selected topic under the direction of departmental faculty. Research, informal presentations, reports, discussion. May be repeated under a different subtitle.

Credit Hours: 1 To 3 Prerequisite Courses:

SPN 321 with a minimum grade of C or SPN 322 .

University Studies: ["Critical Reasoning", "Building Competencies/Writing Intensive", "Building Competencies/Information Literacy"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

SPN 496 - Seminar in Hispanic Linguistics

Course Description:

Advanced study of Hispanic Linguistics.

Credit Hours: 3 Prerequisite Courses:

SPN 305 , SPN 306 , and SPN 307 , each with a grade of 'C' or better.

University Studies: ["Critical Reasoning", "Building Competencies/Writing Intensive", "Building Competencies/Information Literacy"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Repeat Limit: 1

SPN 498 - Internship in Spanish

Course Description:

Program of work and study conducted within an agency and/or setting that provides practical experience with observation and application of foreign language skills.

Credit Hours: 3 Additional Restrictions/Requirements:

Junior or senior standing, completion of at least 12 hours of course work in SPN at the 300 or 400 level, and consent of instructor.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:

Additional Course Fee Schedule

SPN 499 - Honors Work in Spanish

Course Description:

Independent study for honors students.

Credit Hours: 2 To 3 Additional Restrictions/Requirements:

Senior standing and eligibility for honors program.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

SED 220 - Understanding Disability in Society

Course Description:

This course provides an introductory exploration of the key concepts, theories, and frameworks that shape our understanding of disability and influence societal perceptions of accessibility. Through critical engagement with disability studies literature and research, students will evaluate diverse perspectives on disability-related issues and examine historical events, movements, and cultural narratives that have shaped societal attitudes and policies regarding disability in the United States. Students will also analyze the impact of media representations, societal attitudes, and cultural norms on the lived experiences of individuals with disabilities and assess how these factors contribute to systemic inequities. Through in class discussions and written assignments, students will apply insights gained from this course to propose strategies to address social issues and challenge prevailing assumptions about disability and propose ideas to create a more inclusive and equitable society.

Credit Hours: 3 Additional Restrictions/Requirements:

None
University Studies: ["Approaches and Perspectives/Understanding Human Institutions and Behaviors", "Approaches and Perspectives/Living in Our Diverse Nation", "Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

SED 250 - Introduction to Special Education

Course Description:

Survey of major categories of exceptionality including intellectual disabilities, learning disabilities, behavioral and emotional disorders, attention deficits and hyperactivity, communication disorders, sensory impairments, multiple and severe disabilities, physical and health impairments, and giftedness. Includes study of definitions, characteristics, etiology, psycho-social implications, educational interventions, and current issues. At least 6 field experience hours required.

Credit Hours: 3 University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

SED 351 - Learning and Behavioral Disorders in a Diverse Society

Course Description:

Designed to examine the complex variety of learners with behavioral or emotional disorders and learning disabilities. Emphasis on etiology, assessment, diagnosis, characteristics, theories, historical influences, teaching strategies, and current trends. At least 15 field experience hours required.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

SED 352 - Behavioral Development

Course Description:

Designed to develop an understanding of social/emotional development and effective principles and strategies to promote positive behavioral development. Focus will be on positive behavioral support, functional behavioral assessment, teaching pro-social behaviors and social skills, establishing affective environments, parent training and effective behavior change strategies. At least 15 field experience hours required.

Credit Hours: 3 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

SED 354 - Curriculum and Methods of Instruction for Secondary Transition

Course Description:

Practical application of legal requirements for preparing students with disabilities for transition into employment, post-secondary education, and independent living, including pre-vocational and vocational methodologies, student-centered planning, and interagency linkages. At least 15 hours of field experience required.

Credit Hours: 3 Prerequisite Courses:

SED 372 , SED 369 , SEDL 369 , and SED 370 .

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3 Additional Fees Link:

Additional Course Fee Schedule

SED 355 - Children and Adolescents with Behavioral Disorders

Course Description:

Designed to examine the complex variety of learners with behavioral or emotional disorders. Emphasis on the concept of behavioral disorders, etiology, assessment, characteristics, theories, historical influences, teaching strategies, and current trends. At least 25 field experience hours required.

Credit Hours: 3 Prerequisite Courses: SED 352 Additional Restrictions/Requirements:

Prerequisite course or consent of the instructor.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:

Student Blanket Professional Liability Insurance: Additional Course Fee Details

SED 356 - Severe Disabilities

Course Description:

Study of etiology, definitions, characteristics and programming needs of persons with moderate, severe, and profound intellectual disabilities, low functioning autism, and multiple disabilities. Current approaches to treatment and education of persons with severe disabilities in a variety of settings and across the life span will be included. Students will be expected to develop a basic knowledge of the various aspects of severe disabilities and use that knowledge to make informed decisions about appropriate practices in the education of this population. At least 15 field experience hours required.

Credit Hours: 3 Prerequisite Courses:

SED 352 .

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3 Additional Fees Link:
Additional Course Fee Schedule

SED 360 - Teaching Students with Learning Problems

Course Description:

Study of educational interventions for students with learning problems. Emphasis will be on developmental, cognitive, medical, behavioral, and constructivist approaches. Includes study of curriculum and instructional strategies in oral language, reading, literature, written language, math, content areas, learning strategies, and study skills for grades K-12. At least 15 field experience hours required.

Credit Hours: 3 Prerequisite Courses:

Prerequisite: SED 250 , SED 351 , and SED 352 .

Additional Restrictions/Requirements:

Prerequisite courses or consent of instructor.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3 Additional Fees Link:
Additional Course Fee Schedule

SED 362 - Teaching Students with Social, Emotional, and Behavior Problems

Course Description:

Examination of problems, issues, and practices in developing effective programs for students with social/behavioral needs. Emphasis on social, emotional and behavioral needs including major interventions, family involvement, social skills, applied behavior analysis, cognitive/behavioral approaches, medication issues, legal considerations, and curricular strategies. At least 25 field experience hours required.

Credit Hours: 3 Prerequisite Courses:

SED 351 , SED 352 , SED 372 , SED 369 , SEDL 369 , and SED 370 .

Additional Restrictions/Requirements:

Prerequisite courses or consent of instructor.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3 Additional Fees Link:
Additional Course Fee Schedule

SED 364 - Teaching Students with Severe Disabilities

Course Description:

Examination of intervention strategies and issues for persons with severe disabilities. Major focus is on a set of research based strategies referred to as

response prompting procedures. Students will examine means for delivering instruction in one-on-one and small group settings using discrete trail, mass trial, and activity based approaches. At least 15 field experience hours required.
Credit Hours: 3 Prerequisite Courses:

SED 352 .

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3 Additional Fees Link:
Additional Course Fee Schedule

SED 365 - The Teaching of Functional Academics

Course Description:

Designed to comprehensively review methods for teaching basic, functional, academic skills to persons with severe intellectual disabilities. Emphasis will be on the teaching of reading, math, and writing skills for daily use.
Lab:

The lab for this course is SEDL 365 .
Credit Hours: 2 Corequisite Courses:

SEDL 365 .

Prerequisite Courses:

SED 364 , SED 356 .

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 2

SED 366 - The Teaching of Functional Skills

Course Description:

Examination of procedures for identifying and teaching functional skills to persons with severe intellectual disabilities. Students will assess and design programs to address skills in the domains of: personal management/self-care, daily living, vocation, career development, residential and independent living, recreation/leisure/play skills, and social skills. Course emphasis is analysis of skill requirements using an ecological inventory approach to instruction.
Lab:

The lab for this course is SEDL 366 .
Credit Hours: 2 Corequisite Courses:

SEDL 366 .

Prerequisite Courses:

SED 364 , SED 367 , SED 365 , and SEDL 365 .

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 2

SED 367 - Communication and Language: Development and

Interventions

Course Description:

Investigation of the principles of communication and language development. Study of the relationship of severe disabilities to delays in communication and language development. Course covers the use of a range of intervention and assistive technology strategies to facilitate acquisition of skills, both verbal and non-verbal, in this area. At least 15 field experience hours required.

Credit Hours: 3 Prerequisite Courses:

SED 364 , SED 356 .

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3 Additional Fees Link:

Additional Course Fee Schedule

SED 368 - Teaching Reading to Students with Special Needs

Course Description:

Designed to review, discuss, implement, and modify instructional techniques for teaching reading skills to students with exceptionalities. Emphasis on conducting assessments, developing materials, applying explicit instructional techniques, and identifying accommodations and modifications appropriate to the needs of students. Focus includes the application of instructional sequences that adhere to the guidelines for teaching phonemic awareness, vocabulary, fluency, comprehension, and the alphabetic principle.

Lab:

The lab for this course is SEDL 368 .

Credit Hours: 3 Corequisite Courses:

SEDL 368

Prerequisite Courses:

EDN 301, SED 372

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SED 369 - Teaching Mathematics to Students with Special Needs

Course Description:

Designed to review, discuss, implement, and modify instructional techniques for teaching mathematics skills to students with exceptionalities. Emphasis on conducting assessments, developing materials, applying explicit instructional techniques, and identifying accommodations and modifications appropriate to the needs of students. Focus includes the application of instructional sequences that

adhere to the guidelines for teaching concepts, rules, and strategies in math.
Lab:

The lab for this course is SEDL 369 .

Credit Hours: 3 Corequisite Courses:

SEDL 369

Prerequisite Courses:

EDN 301, SED 374

Course Repeatability: Course may not be repeated.

SED 370 - Assessment Procedures for Special Education

Course Description:

Examination of concepts and fundamentals of educational assessment. Includes study of formal, informal, and alternative assessment techniques appropriate for students with exceptionalities. Includes assessment of intellectual functioning, academic skills, spoken language, learning skills, social-emotional-behavioral development, adaptive behavior, early childhood skills, and occupational/transitional skills. At least 15 field experience hours required.

Credit Hours: 3 Prerequisite Courses:

EDN 301, SED 374

Course Repeatability: Course may not be repeated. Additional Fees Link:
Additional Course Fee Schedule

SED 372 - Program Development in Special Education

Course Description:

Development of skills in planning educational programs for students with exceptionalities. Includes writing lesson plans, unit plans, individualized educational programs, family service plans, and transition plans; task analysis; legal requirements and roles of the special education teacher. At least 15 field experience hours required.

Credit Hours: 3 Prerequisite Courses:

EDN 301, SED 374

University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated. Additional Fees Link:
Additional Course Fee Schedule

SED 374 - Applied Behavior Analysis for Teachers

Course Description:

Designed to provide a strong foundation and knowledge of basic principles of learning through the introduction of Behavior Analysis: the science and technology of behavior. The focus will be on empirically validated instructional strategies by

which students learn academic, social and physical skills. At least 20 field experience hours required.
Credit Hours: 3 Additional Restrictions/Requirements:
9 hours of Curricular Foundations.
University Studies: ["Explorations Beyond the Classroom", "Building Competencies/Information Literacy", "Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

SED 375 - Reflective Practices in Teaching Students with Disabilities

Course Description:
Designed to provide students with the skills to identify the appropriate evidence based practices to be used to teach content and/or behavioral skills. Students will use the content they learned in their previous coursework to plan for instruction and assessment, instruct and engage students in learning, and assess student learning.
Credit Hours: 2 Corequisite Courses:
SEDL 375 .
Prerequisite Courses:
SED 372 , SED 369 , SEDL 369 , and SED 370 .
University Studies: ["Building Competencies/Information Literacy", "Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 2 Additional Fees Link:
Additional Course Fee Schedule

SED 410 - Seminar in Special Education

Course Description:
Designed as a culmination of professional study into the teaching profession by providing opportunities to extend and apply understandings of the roles of the special education teacher as decision maker and reflective practitioner, particularly in the areas of assessment, planning, instruction, management, collaboration, assistive technology and evaluation. In addition, this course is designed to use the internship placement as a setting to develop the collaboration, teaming, communication, and conflict resolution skills relevant for educators of students with special needs and from diverse cultures.
Credit Hours: 3 Corequisite Courses:
SED 411 .
Additional Restrictions/Requirements:

All courses in the professional core and specialty area and a 2.70 GPA on all work attempted at UNCW.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SED 411 - Student Teaching in Special Education (K-12)

Course Description:

All full-time practicum experience within the area of specialization. Students will engage in a variety of supervised instructional activities, assuming an increasing amount of responsibility for all phases of instruction. Practica are offered in the areas of general curriculum and adapted curriculum.

Credit Hours: 9 Corequisite Courses:

SED 410

Additional Restrictions/Requirements:

As specified for SED 410 .

University Studies: ["Explorations Beyond the Classroom", "Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 9 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link: Additional Course Fee Schedule

SED 412 - Extended Practicum in Special Education (K-12)

Course Description:

A part-time practicum experience within the area of specialization. Students will engage in supervised instructional activities that extend their understandings and teaching performance to an additional area of preparation. Areas of specialization are general curriculum and adapted curriculum.

Credit Hours: 3 To 6 Additional Restrictions/Requirements:

Appropriate curriculum and instruction courses and consent of the chairperson of the Department of Curricular Studies.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 6

SEDL 200 - Special Education Apprentice Field Experience I

Course Description:

Designed to provide guided teaching practice under the direction of a university instructor. During the lab experience, students will design and deliver instruction for learners with high incidence disabilities based on evidence based practices and support non-instructional classroom duties with the guidance of their partnership teacher.

Credit Hours: 1 Course Repeatability: Course may not be repeated. Additional Course Fees: ["Additional Fee - Liability Insurance"] Major Restriction: Special Education - General Curriculum

SEDL 201 - Special Education Apprentice Field Experience I

Course Description:

Designed to provide guided teaching practice under the direction of a university instructor. During the lab experience, students will design and deliver instruction for learners with significant intellectual and multiple disabilities based on evidence based practices and support non-instructional classroom duties with the guidance of their partnership teacher.

Credit Hours: 1 Additional Restrictions/Requirements:

Restricted to Special Education - Adapted Curriculum majors.

Course Repeatability: Course may not be repeated. Additional Course Fees: ["Additional Fee - Liability Insurance"] Major Restriction: Special Education - Adapted Curriculum

SEDL 300 - Special Education Apprentice Field Experience II

Course Description:

Designed to provide guided teaching practice under the direction of a university instructor. During the lab experience, students will design instruction for learners with high incidence disabilities, deliver instruction to individual students and/or small groups, support non-instructional classroom duties and collaborate with the partnership teacher regarding instructional decisions.

Credit Hours: 1 Prerequisite Courses:

SEDL 200 .

Additional Restrictions/Requirements:

Restricted to Special Education - General Curriculum majors.

Course Repeatability: Course may not be repeated. Additional Course Fees: ["Additional Fee - Liability Insurance"] Major Restriction: Special Education - General Curriculum

SEDL 301 - Adapted Curriculum Field Experience II

Course Description:

Designed to provide guided teaching practice under the direction of a university instructor. During the lab experience, students will design instruction for learners with significant intellectual and multiple disabilities, deliver instruction to individual students and/or small groups, support non-instructional classroom duties and collaborate with the partnership teacher regarding instructional decisions.

Credit Hours: 1 Prerequisite Courses:

SEDL 201 .

Additional Restrictions/Requirements:

Restricted to Special Education Adapted Curriculum majors.

Course Repeatability: Course may not be repeated. Additional Course Fees: ["Additional Fee -

Liability Insurance"] Major Restriction: Special Education - Adapted Curriculum

SEDL 365 - Functional Academics Laboratory

Course Description:

Designed to provide students with supervised opportunities to teach functional academic skills to students with severe intellectual disabilities. Emphasis will be on the teaching of reading, math, and writing skills for daily use. Minimum of 20 hours per semester.

Lab:

This course is the lab for SED 365 .

Credit Hours: 1 Corequisite Courses:

SED 365

Prerequisite Courses: SED 364 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 1 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:

Additional Course Fee Schedule

SEDL 366 - Functional Skills Laboratory

Course Description:

Designed to provide students with supervised opportunities to teach and observe instruction of functional skills to students with severe intellectual disabilities. Emphasis will be on the teaching of personal management/self-care, daily living, vocation/employment, and social skills. Minimum of 20 hours per semester.

Lab:

This course is the lab for SED 366 .

Credit Hours: 1 Corequisite Courses:

SED 366

Prerequisite Courses: SED 364 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 1 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:

Additional Course Fee Schedule

SEDL 368 - Teaching Reading to Learners with Special Needs Laboratory

Course Description:

Designed to provide students with supervised opportunities to implement and modify explicit reading instruction to meet the needs of students with exceptionalities. Emphasis will be on the application of instructional sequences that adhere to the guidelines for teaching phonemic awareness, vocabulary, fluency, comprehension, and the alphabetic principle.

Lab:

This course is the lab for SED 368 .

Credit Hours: 1 Corequisite Courses:

SED 368

Prerequisite Courses:

EDN 301

University Studies: ["Explorations Beyond the Classroom", "Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 1 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

SEDL 369 - Teaching Mathematics to Students with Special Needs Laboratory

Course Description:

Designed to provide students with supervised opportunities to implement and modify explicit mathematics instruction to meet the needs of students with exceptionalities. Emphasis will be on the application of instructional sequences that adhere to the guidelines for teaching concepts, rules, and strategies in math.

Lab:

This course is the lab for SED 369 .

Credit Hours: 1 Corequisite Courses:

SED 369

Prerequisite Courses: EDN 301 University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 1 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

SEDL 375 - Reflective Practices in Teaching Students with Disabilities Lab

Course Description:

Designed to provide supervised opportunities to develop a comprehensive individualized lesson plan(s) for a student(s) with a disability that reflects a deep understanding of differentiation and also addresses the unique behavioral needs of students that are in need of functional behavioral support. The course content will also reflect students' acquisition of skills from their special education methods courses and provide opportunities to practice the culmination of these skills while receiving constructive feedback from the instructor.

Credit Hours: 1 Corequisite Courses:

SED 375 .

Prerequisite Courses:

SED 372 , SED 369 , SEDL 369 , SED 370 .

Additional Restrictions/Requirements:

Restricted to majors in Special Education (General and Adapted Curriculum).

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 1 Additional Course Fees: ["Additional Fee - Liability Insurance"] Major Restriction: Special Education - General and Adapted Curriculum

SEDL 400 - General Curriculum Field Experience III

Course Description:

Designed to provide guided teaching practice under the direction of a university instructor. During the lab experience, students will design instruction for learners with high incidence disabilities, deliver instruction to individual students, small groups, and/or whole groups, support classroom management plans, support non-instructional classroom duties and collaborate with the partnership teacher regarding instructional decisions.

Credit Hours: 1 Prerequisite Courses:

SEDL 300 .

Additional Restrictions/Requirements:

Restricted to Special Education General Curriculum majors.

Course Repeatability: Course may not be repeated. Additional Course Fees: ["Additional Fee - Liability Insurance"] Major Restriction: Special Education - General Curriculum

SEDL 401 - Adapted Curriculum Field Experience III

Course Description:

Designed to provide guided teaching practice under the direction of a university instructor. During the lab experience, students will design instruction for learners with significant intellectual and multiple disabilities, deliver instruction to individual students, small groups, and/or whole groups, support classroom management plans, support non-instructional classroom duties and collaborate with the partnership teacher regarding instructional decisions.

Credit Hours: 1 Prerequisite Courses:

SEDL 301 .

Additional Restrictions/Requirements:

Restricted to Special Education Adapted Curriculum majors.

Course Repeatability: Course may not be repeated. Additional Course Fees: ["Additional Fee - Liability Insurance"] Major Restriction: Special Education - Adapted Curriculum

STT 210 - Introduction to Statistics with Applications in the Health

Sciences

Course Description:

Topics include descriptive statistics, probability, probability distributions, sampling distributions, confidence intervals, hypothesis testing, correlation and regression. Instruction tailored to applications in the health sciences.

Credit Hours: 3 University Studies: ["Foundations/Mathematics and Statistics"] Course Repeatability: Course may not be repeated.

STT 215 - Introduction to Statistics

Course Description:

Methods of data collection; numerical and graphical analyses of univariate and bivariate data; axioms of probability; conditional probability; independence; distributions of random variables; introduction to confidence intervals and hypothesis testing; simple linear regression and correlation; use of statistical software to analyze data and simulate random variables.

Credit Hours: 3 University Studies: ["Foundations/Mathematics and Statistics"] Course Repeatability: Course may not be repeated.

STT 301 - Probability and Statistics

Course Description: An introduction to descriptive and inferential statistics with practical applications and an introduction to probability including both discrete and continuous models. Topics include graphical and numerical methods of descriptive statistics, counting techniques, discrete and continuous probability distribution, joint distribution, sampling distribution, confidence intervals, hypothesis testing, and simple linear regression. Credit Hours: 3 Corequisite Courses: MAT 162 Prerequisite Courses: MAT 161 Course Repeatability: Course may not be repeated.

STT 303 - R for Data Science

Course Description:

Introduction to data science with an overview of the basic techniques for making informed, data-driven decisions using the R statistical software. Students learn the basics of R programming and use it to visualize, wrangle, manipulate, and explore data of many types and sizes.

Prerequisite Courses:

STT 215, or PSY 225, or BAN 280

Course Repeatability: Course may not be repeated.

STT 305 - Statistical Programming

Course Description:

Introduction to statistical programming in SAS with emphasis on data step programming; applications to data management and report generation, simulation,

graphical and numerical analysis of univariate and multivariate data. Comparison of current statistical software.

Credit Hours: 3 Prerequisite Courses: STT 215 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

STT 315 - Introduction to Probability

Course Description:

Introduction to calculus-based probability. Topics include: discrete and continuous random variables and probability distributions; mathematical expectation and variance; sampling distributions and the central limit theorem.

Credit Hours: 3 Prerequisite Courses:

MAT 152 or MAT 162.

Course Repeatability: Course may not be repeated.

STT 350 - Survey Sampling

Course Description:

Elementary survey sampling on the design and analysis of sample surveys. Topics include design of questionnaires; methods of data collection; sample-survey designs including simple random sampling, stratified sampling, cluster sampling, and systematic sampling; ratio and regression estimation; two-stage cluster sampling; sampling from wildlife populations; sources of errors.

Credit Hours: 3 Additional Restrictions/Requirements:

An introductory statistics course from any department.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

STT 411 - Design of Experiments and Analysis of Variance

Course Description:

Review of elementary statistics; design of experiments including completely randomized, randomized block, factorial, split-plot, and repeated measures designs; analysis of variance; non-parametric alternative methods of analysis. Statistical software packages will be used as appropriate in problem solving.

Credit Hours: 3 Additional Restrictions/Requirements:

Any elementary statistics course.

Crosslisting:

STT 511

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

STT 412 - Applied Regression and Correlation

Course Description:

Review of elementary statistics; linear and multiple regression; correlation.

Statistical software packages used as appropriate in problem solving.
Credit Hours: 3 Prerequisite Courses:
MAT 335
Additional Restrictions/Requirements:
Any elementary statistics course.
Course Repeatability: Course may not be repeated.

STT 420 - Biostatistical Analysis

Course Description:
Review of statistical methods used in epidemiologic studies and clinical trials. Topics include measures of association, logistic regression, covariates, life tables and Cox regression. Statistical analysis using a statistical software.
Credit Hours: 3 Prerequisite Courses:
STT 315
Additional Restrictions/Requirements:
Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

STT 425 - Categorical Data Analysis

Course Description:
Introduction to the analysis of qualitative data. Basic methods of summary and inference for two- and three-way contingency tables; introduction to the generalized linear model for binary and Poisson data; focus on multinomial responses (nominal and ordinal) and matched pairs data; statistical analysis using SAS.
Credit Hours: 3 Prerequisite Courses: STT 305 Additional Restrictions/Requirements:
Prerequisite course or consent of instructor.
Crosslisting:
STT 525
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

STT 430 - Introduction to Non-Parametric Statistics

Course Description:
Theory and methods of non-parametric statistics in the one- and two-sample problems and their comparisons with standard parametric procedures. Non-parametric tests for comparing more than two samples; tests of randomness and independence.
Credit Hours: 3 Prerequisite Courses: STT 215 Additional Restrictions/Requirements:
Prerequisite course and 3 hours of statistics at the 300 level.
Crosslisting:

STT 530

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

STT 435 - Applied Multivariate Analysis

Course Description:

Matrix manipulations; multivariate normal distribution; inference for mean vector and covariance matrix; multivariate analysis of variance; principal components; canonical correlations; discriminant analysis; factor analysis; cluster analysis; statistical analysis using SAS.

Credit Hours: 3 Prerequisite Courses: STT 315 and STT 411 and STT 412 Crosslisting:

STT 535

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

STT 440 - Linear Models and Regression Analysis

Course Description:

Theoretical introduction to the general linear model and its application to simple linear regression and multiple regression. Estimation and hypothesis testing of model coefficients; residual analysis; analysis of covariance.

Credit Hours: 3 Prerequisite Courses: MAT 261 and MAT 335 and STT 315 Crosslisting:

STT 540

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

STT 450 - Statistical Machine Learning

Course Description:

Introduction to fundamental principles and applications of machine learning techniques. Topics include linear regression, classification, re-sampling methods, model selection, tree-based classification methods, and Support Vector Machines (SVM). Students learn how to analyze large/high-dimensional real-world application data to build effective machine learning systems using standard programming tools.

Credit Hours: 3 Prerequisite Courses:

STT 215.

Additional Restrictions/Requirements:

Prerequisite course and 3 hours of statistics or data science at the 300 level, or consent of instructor.

University Studies: [""] Course Repeatability: Course may not be repeated. Additional Course Fees: [""] Equivalent Courses: [""]

STT 460 - Statistical Deep Learning

Course Description:

Exploration of the synergy between deep learning and statistical learning principles

emphasizing the integration of statistical foundations in the context of computer vision and pattern recognition applications, ensuring robust and interpretable outcomes. Provides practical experience in modeling high-dimensional real-world data, developing solutions that are predictive and grounded in statistical rigor.
Prerequisite Courses:

STT 450

Course Repeatability: Course may not be repeated.

STT 465 - Applied Probability

Course Description:

The formulation, analysis and interpretation of probabilistic models. Selected topics in probability theory. Conditioning, Markov chains, and Poisson processes. Additional topics chosen from renewal theory, queuing theory, Gaussian processes, Brownian motion, and elementary stochastic differential equations.
Credit Hours: 3 Prerequisite Courses: MAT 261 and STT 315 Crosslisting:

MAT 465 , MAT 565 , STT 565

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

STT 470 - Applied High Performance Computing (HPC) for Statistical Learning

Course Description:

Introduction to the foundational principles and techniques of high-performance computing (HPC) and its applications with statistical learning using large-scale real-world data. Includes parallel architectures, distributed computing, big data frameworks, and practical techniques essential for analyzing massive real-world applications.
Prerequisite Courses:

STT 450

Course Repeatability: Course may not be repeated.

STT 475 - Topics in Statistics

Course Description:

Topics of current interest in statistics not covered in existing courses. May be repeated under a different subtitle.
Credit Hours: 3 Additional Restrictions/Requirements:

Senior standing or consent of instructor.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

STT 490 - Case Studies in Statistical Consulting

Course Description:

Review of case studies involving consulting with clients on statistical design of experiments and analysis of experimental and observational data; analysis of available data sets utilizing statistical software; presentation of oral and written reports on a consulting experience.
Credit Hours: 3 Additional Restrictions/Requirements:
At least 9 hours of STT courses numbered 300 or higher and consent of instructor.
University Studies: ["Building Competencies/Writing Intensive", "Building Competencies/Information Literacy", "Explorations Beyond the Classroom", "Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

STT 491 - Directed Individual Study

Course Description:
Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the
Depending on their interests and abilities, UNCW students may choose from several kinds of special courses and programs to individualize and otherwise enrich their studies.

- This course, designated as 491 in each department, involves investigation beyond what is offered in existing courses. To enroll in a Directed Individual Study, students must be a junior or senior. Additionally, students must have an overall grade point average of at least 2.00 and the approval of (1) the faculty member who will direct the study, (2) the departmental chairperson, and (3) the appropriate dean. Departmental criteria will include (1) the availability of the instructor (instructors may only supervise a limited number of independent studies each semester), (2) the appropriateness of and need for the proposed study in the student's program, (3) the availability of library and other research resources, and (4) the feasibility of completion of the proposed study in the allotted time. Students are limited to nine credit hours of Directed Individual Study toward graduation requirements.

- Several departments within the College of Humanities, Social Sciences, and the Arts and the professional schools offer field experience courses as part of their semester or summer programs. Participating students conduct individual or group research under faculty guidance at selected areas within and outside the continental United States. Apart from the greater Wilmington area, field experience courses have been conducted in such places as the Florida Keys, Barbados, the Bahamas, Portugal, and parts of Central and South America.

- Raymond L. Burt, *coordinator*
  The German Studies Consortium links participating UNC institutions to facilitate the sharing of teaching and learning resources to enhance German Studies across The University of North Carolina system. This consortium offers a broad array of German Studies courses in the language, literature, and culture of the German-speaking countries taught by specialists in the field. The primary focus is on the sharing of upper-level German classes offered each semester on the North Carolina Information Superhighway. Participant universities include Appalachian State University, East Carolina University, North Carolina State University, the University of North Carolina at Asheville, the University of North Carolina at Charlotte, the University of North Carolina at Greensboro, University of North Carolina Wilmington, and Western Carolina University. For course details, visit the UNC Online Exchange.

- Regina Felix, *coordinator*
  The Portuguese Exhange links participating UNC institutions to facilitate the sharing of teaching and learning resources to enhance Portuguese language and Portugurese and Brazilian Studies across the University of North Carolina system. This exchange offers courses in the language, literature, and culture of the Portuguese-speaking countries taught by specialists in the field. Participant universities include Appalachian State University, North Carolina State University, the University of North Carolina Asheville, the University of North Carolina at Chapel Hill, the Unversity of North Carolina at Charlotte, the University of North Carolina Wilmington, and Winston Salem State University. For course details, visit the UNC Online Exchange.

- Dave Graber, *coordinator*
  The Russian Studies Consortium links participating UNC institutions to facilitate the sharing of teaching and learning resources to enhance Russian Studies across The University of North Carolina system. This consortium offers a broad array of Russian Studies courses in the language, literature, history, film, society, and culture in the Russian-speaking countries, which can be taught in the target

language and/or in translation by specialists with credentials in Russian Studies. The primary goal focuses on the sharing of elementary, intermediate, and upper level Russian Studies classes offered each semester as well as summer session courses on the North Carolina Information Superhighway and/or fully online. Participant universities include Appalachian State University, East Carolina University, North Carolina State University, The University of North Carolina at Charlotte, The University of North Carolina at Greensboro, and The University of North Carolina Wilmington. Courses are offered through the UNC Online Exchange.

- Raymond L. Burt, UNCW *coordinator*
  The UNC Language Assembly is a cooperative of the language departments of all 17 campuses of the UNC System, and serves the UNC System and the State of North Carolina by supporting the foreign language programs at the constituent institutions and by seeking to offer a wide diversity of foreign language choices to the students at all the UNC campuses. Students are not required to pay tuition at the other campus, since UNCW tuition applies to these courses as well. Courses are taught online or through videoconference technology. Students can directly enroll in language classes offered by campuses through the UNC Online Exchange.

- https://uncw.edu/myuncw/academics/graduate-school/forms

Graduate Courses Taken for Undergraduate Credit

Graduate courses at UNCW or other accredited institutions may be used to fulfill undergraduate requirements if approved by the course instructor, student's department chair, undergraduate dean, and the dean of the Graduate School. All other transfer credit policies apply. Permission forms may be obtained on the Graduate School forms page under the "Undergraduate Registration for Graduate Courses" section at https://uncw.edu/myuncw/academics/graduate-school/forms.

Graduate Course Taken as an Undergraduate to Later Apply to a Graduate Degree

Undergraduate students who wish to take graduate courses and later receive graduate credit for them must fill out a Docusign to obtain permission in advance from the course instructor, student's department chair and undergraduate dean, and the Graduate School for approval. Graduate courses taken under this provision may not be used to fulfill undergraduate degree requirements. Permission forms may be obtained on the Graduate School form page under the "Undergraduate Registration for Graduate Courses"
section https://uncw.edu/myuncw/academics/graduate-school/forms.

Credit for Approved Combined Degree Programs

Graduate courses used to fulfill an undergraduate degree requirement at UNCW may be applied to a graduate degree only when taken as part of an approved combined degree program. Courses applied toward an awarded degree may not be applied to a second degree except as described by specific degree programs.

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https://www.uncw.edu/global/
The Office of Global Partnerships and International Education is comprised of three units: Education Abroad, English Language Center, and the Office of International Students & Scholars.

Education Abroad

UNCW offers more than 800 education abroad opportunities in more than 50 countries. Options available include coursework taken abroad, international internships for academic credit, credit-bearing service-learning experiences, academic research, and virtual global learning opportunities. UNCW provides education abroad opportunities to suit nearly every major and credit earned through international programs may be applied towards a UNCW degree. Financial aid may be used in conjunction with education abroad programs and scholarships are available. Students may select from short-term and summer programs, as well as semester, year-long and two-year dual degree options.

All applications for any credit-bearing program abroad must be made through the Office of Global Partnerships and International Education.

UNCW students who study abroad retain their active UNCW student status and will not have to re-enroll upon return.

Eligibility requirements include:

- 18 years of age at the time of participation
- Good disciplinary standing
- 2.5+ cumulative grade point average
- Sophomore+ status (select programs are open to first-year students)
- Any program-specific requirements
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Several programs in the College of Humanities, Social Sciences, and the Arts, College of Science and Engineering, College of Education, College of Health and Human Services, and the Cameron School of Business offer students the opportunity to earn academic credit within a work environment external to the program. The purpose of the internship experience is to enhance, supplement, and integrate the learning that occurs in formal classroom settings. Permission of the dean and program offering the internship is required to enroll, and the program places limits on the number of credit hours earned applicable toward graduation. Internships designated by a 498 number will be graded on a Pass (P), Fail (F) basis. These credit hours earned will count towards the number of hours required to graduate, but the grade of Pass (P) will be excluded from the computation of the GPA. For further information on internships, refer to the courses numbered 498 in the course listings and then contact the departments offering them.

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The North Carolina Child Welfare Education Collaborative is a university-agency partnership that ensures a quality work force in child welfare settings. The educational goal of this program is to directly address the workforce need for social workers in child welfare settings. Administered by the Jordan Institute for Families, the collaborative includes North Carolina social work education programs, the NC Division of Social Services, the NC Association of County Directors of Social Services and the NC Chapter of the National Association of Social Workers. Educating, training, and supporting current and future social workers in child welfare meets the goal of strengthening families and protecting children. The collaborative offers focused educational courses, training and field experience in child welfare agencies. Participating universities include Appalachian State University, University of North Carolina at Chapel Hill, East Carolina University, North Carolina State University, Joint Masters of Social Work Program at University of North Carolina at Greensboro and North Carolina Agricultural and Technical State University, and University of North Carolina Wilmington.

- The Reverse Transfer Program is a collaborative effort between North Carolina's Community Colleges and the University of North Carolina's 16 constituent institutions. Students who transfer to UNC Wilmington from one of the 58 North Carolina community colleges are given the opportunity to combine the credits earned at UNCW with credit already earned at the community college to determine if the associate degree requirements have been met. Students have the opportunity to opt-in to this program at the time of admission as a transfer student. There is no cost to participate. For more information, contact the Office of the Registrar.
  Eligibility: Students must have earned at least 16 college-level credit hours at one community college applicable towards their degree, to be eligible to participate. After earning a total of 60 combined credits, the student's UNCW records will be sent back to their previous community college for evaluation. The community college will contact students via their UNCW email, with further details, if the Associate degree is awarded.

- Several UNCW courses employ service-learning opportunities. Service learning is an innovative method of teaching and learning that combines thoughtfully organized service to the community with other means of instruction. Community service-

projects are integrated into and enhance the academic curriculum of students, fitting naturally into the philosophy and pedagogy of a variety of disciplines and fostering civic responsibility. Both students and the community benefit from service learning. Service-learning courses have several strengths, not the least of which is that they are adaptable to the needs of the community while providing structured time for the students to reflect on the service experience.

section in this catalogue.

Credit Hours: 1 To 3 Additional Restrictions/Requirements:

Junior or senior standing, overall GPA of at least 2.00, at least a 3.00 average on all mathematics and statistics courses taken, and consent of instructor, department chair, and dean.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

STT 498 - Internship in Statistics

Course Description:

Academic training and practical experience through work in a private company or public agency; presentation of oral report on internship experience. Faculty supervision and evaluation of all study and on-site activity.

Credit Hours: 3 Additional Restrictions/Requirements:

Junior or senior standing, overall GPA of at least 2.50, GPA in STT courses at least 2.80, and at least 9 hours of STT courses numbered 300 or higher, and approval by faculty supervisor, department chair, and dean.

University Studies: ["Building Competencies/Writing Intensive", "Building Competencies/Information Literacy", "Explorations Beyond the Classroom", "Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:

Additional Course Fee Schedule

STT 499 - Honors Work in Statistics

Course Description:

Individual study for honors students.

Credit Hours: 2 To 3 Additional Restrictions/Requirements:

Eligibility for honors program.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

SCM 295 - Special Topics in Supply Chain

Course Description:

Seminar in selected topics in supply chain. This course does not fulfill requirements towards any major or concentration in the Cameron School or Business.
Credit Hours: 1 To 3 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

SCM 365 - Health Care Operations Management

Course Description:

Application of management tools to examine the health care value chain. Topics include designing health care delivery systems, capacity planning and decision making under uncertainty, process failure, learning and improvement, and innovations in health care.
Credit Hours: 3 Prerequisite Courses: BAN 280 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SCM 370 - Principles of Operations Management

Course Description:

This course provides a study of the drivers of quality, customer satisfaction, efficiency and productivity in service and manufacturing enterprises. Topics include product and service design, forecasting, quality management, facility location and layout, materials management, scheduling, project management, and supply chain management. While topics are covered for both manufacturing and service operations, attention is directed to the study and analysis of the operations management function in service enterprises.
Credit Hours: 3 Prerequisite or Corequisite Courses:

BAN 280 or STT 215

University Studies: ["Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SCM 371 - Logistics and Distribution Management

Course Description:

This course provides an in-depth study of a wide range of logistics and distribution issues facing managers. Topics include an analysis of the following components of a typical logistics system: customer service, logisitics system analysis, network analysis, facility planning, warehouse operations, traffic and transportation management, and distribution planning. Attention is directed toward the establishment of sustainable competitive advantage based on transportation, logistics and distribution activities.
Credit Hours: 3 Prerequisite Courses: SCM 370 Additional Restrictions/Requirements:

Prerequisite course and admission to Cameron School of Business.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SCM 372 - Service Operations Management

Course Description:

Study of the tools necessary to effectively manage a service organization. Particular attention will be paid to subtle relationships among the systems, strategy, and technology that define service delivery systems and their implications for customer satisfaction and profitability. Topics include service strategy and market position, role of the information resource, the service delivery system, service facility location, service quality, and managing supply and demand.

Credit Hours: 3 Prerequisite Courses: SCM 370 Additional Restrictions/Requirements:

Prerequisite course and admission to Cameron School of Business.

University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SCM 374 - Introduction to Six Sigma

Course Description:

This course covers the complete Six Sigma Green Belt body of knowledge. Through lectures, applications and case studies, the course focuses on the background, value proposition, methodology, techniques and statistical tools of Six Sigma.

Credit Hours: 3 Prerequisite Courses: SCM 370 Additional Restrictions/Requirements:

Prerequisite course and admission to Cameron School of Business.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SCM 375 - Quality Management

Course Description:

This course introduces quantitative and qualitative concepts and applications of quality management in manufacturing and service organizations. Topics include quality design, continuous improvement, cost of quality, employee involvement in quality, team building for quality, quality circles, service quality, statistical process control, and the relationship among quality, productivity, and competitiveness.

Credit Hours: 3 Prerequisite Courses: SCM 370 Additional Restrictions/Requirements:

Prerequisite course and admission to Cameron School of Business.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SCM 376 - Transportation Management

Course Description:

This course develops an understanding of the strategic role of freight transportation systems in supply chain networks. Emphasis is given to the components of transportation systems, including their technological features, operational

processes, and cost conditions, the buyer-seller channels for acquiring transportation services, and the strategic and tactical alternatives for transport procurement.
Credit Hours: 3 Prerequisite Courses: SCM 370 Additional Restrictions/Requirements:
Prerequisite course and admission to Cameron School of Business.
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SCM 377 - International Operations Management

Course Description:
A study of global operations and logistics in the manufacturing and service sectors. Topics include organization of global operations, global manufacturing, global sourcing and logistics, global technology transfer, global risk management, and cultural and national comparisons of operations management practices. Case studies are used.
Credit Hours: 3 Prerequisite Courses: INB 300 and SCM 370 Additional Restrictions/Requirements:
Prerequisite courses and admission to Cameron School of Business.
University Studies: ["Approaches and Perspectives/Living in a Global Society", "Building Competencies/Writing Intensive"] Crosslisting:
INB 377
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SCM 378 - Product and Service Development

Course Description:
This course provides basic product/service development concepts, a knowledge base for conversing with those familiar with product/service concepts, and builds both quantitative and qualitative analysis skills needed for designing and developing products and services.
Credit Hours: 3 Prerequisite Courses: SCM 370 Additional Restrictions/Requirements:
Prerequisite course and admission to Cameron School of Business.
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SCM 379 - Procurement Management

Course Description:
This course provides an in-depth study of the concepts, methods, and responsibilities of the purchasing function for manufacturing and service organizations. Topics include the organization role of purchasing, strategic sourcing, contract and pricing practices, negotiation, quality assurance and reliability, inventory management, lean purchasing, make-or-buy decisions, and the acquisition

of transportation and other services.
Credit Hours: 3 Prerequisite Courses:
SCM 370
Additional Restrictions/Requirements:
BS Business Administration and admission to Cameron School of Business.
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3 Major Restriction: BS Business Administration

SCM 472 - Project Management

Course Description:
This course introduces the fundamentals of project management, beginning with project definition and culminating in the post-project review. Students will learn techniques, terms and guidelines that are used to manage costs, schedules, risk, group dynamics and technical aspects throughout the life cycle of the project.
Credit Hours: 3 Prerequisite Courses: SCM 370 Additional Restrictions/Requirements:
Prerequisite course and admission to Cameron School of Business.
University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SCM 475 - Advanced Supply Chain Management

Course Description:
This course provides a detailed analysis of the materials planning and execution systems used to manage the flow of material in service and manufacturing organizations to facilitate all stages of the supply chain. Topics include systems for demand management and forecasting techniques, inventory control systems for distribution channels, materials and capacity requirements planning systems, scheduling and order dispatching systems.
Credit Hours: 3 Prerequisite Courses:
SCM 370
Additional Restrictions/Requirements:
Admission to Cameron School of Business
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3 Major Restriction: BS Business Administration

SCM 476 - Sustainable Supply Chain Systems

Course Description:
This course focuses on analyzing the implications of environmental considerations in logistics decisions. The course stresses learning how businesses can succeed while tackling sustainability challenges, emphasizing the fundamental tools and

techniques required for analyzing and designing environmentally sustainable supply chain systems. The course covers carbon footprint, sustainable logistics, closed-loop supply chains, reverse logistics and sustainable supply chain strategy. Students work on a team project that evaluates the sustainable supply chain strategy of an industry or a publicly traded company.
Credit Hours: 3 Prerequisite Courses: SCM 370 Additional Restrictions/Requirements:
Prerequisite course and admission to Cameron School of Business.
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SCM 477 - Operations Planning and Scheduling

Course Description:
Application of scheduling in manufacturing and service organizations. Topics include machine scheduling, job shop scheduling, project scheduling, flexible assembly system scheduling, lot sizing and scheduling, interval scheduling, and personnel scheduling.
Credit Hours: 3 Prerequisite Courses: SCM 370 Additional Restrictions/Requirements:
Prerequisite course and admission to Cameron School of Business.
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SCM 478 - Supply Chain Modeling and Analysis

Course Description:
This course is designed to provide students with the conceptual tools to understand the structure and dynamics of complex systems by integrating performance measurement and modeling simulation methodologies. It provides the students with the solid understanding needed to effectively apply strategic management tools and techniques for increased performance and competitive advantage in businesses. Ultimately, it will prepare them to become effective systems analysts in the field.
Credit Hours: 3 Prerequisite Courses: SCM 370 Additional Restrictions/Requirements:
Prerequisite course and admission to CSB.
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SCM 491 - Directed Individual Study

Course Description:
Please enter a description.
Credit Hours: 3 Additional Restrictions/Requirements:
Junior or senior standing, consent of the department chair and admission to Cameron School of Business.
University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

SCM 495 - Seminar in Operations Management

Course Description:

This course may be repeated under a different subtitle.

Credit Hours: 1 To 3 Additional Restrictions/Requirements:

Junior or senior standing, consent of the department chair and admission to Cameron School of Business.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

SCM 498 - Internship in Operations Management

Course Description:

Involves the application of quantitative and systems skills developed in the academic environment to problems in a real-world operating environment. The participant will receive practical training and experience under the guidance of the staff of a local business or government organization and a faculty supervisor. Available internships are filled on a competitive basis.

Credit Hours: 1 To 6 Additional Restrictions/Requirements:

Consent of faculty supervisor and admission to Cameron School of Business.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

SCM 499 - Honors Work in Supply Chain Management

Course Description:

Independent work for honors students.

Credit Hours: 2 To 3 Additional Restrictions/Requirements:

Senior standing and admission to Cameron School of Business.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

TSL 265 - Culture, Advocacy and Policy for ESL Teachers

Course Description:

This course will introduce students to the field of English as a second language, including cultural, social, and political contexts of linguistic diversity from historical and critical perspectives. Topics include legal and administrative aspects of the field, including national and state regulations. A 10-hour participatory observation experience is required.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in Our Diverse Nation"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link: Additional Course Fee Schedule

TSL 312 - English Grammar for Teachers

Course Description:

This course is designed to explore language, English grammar, mechanics, and usage from a pedagogical perspective. Students will explore the structure of the English language with emphasis placed on how to teach grammatical concepts to others.

Credit Hours: 3 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

TSL 326 - Applied Linguistics for ESL

Course Description:

Students will analyze all aspects of the English language with emphasis on understanding the nature and structure of the language that English language learners bring into the classroom.

Credit Hours: 3 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

TSL 401 - Teaching English as a Foreign Language

Course Description:

Introduces students to the field of Teaching English as a foreign/international language abroad. This course is designed for people who wish to teach English abroad or tutor language learners in the US. Participants build an introductory foundation in EFL methods, cross-cultural communication and the structure of the English language.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

TSL 405 - English Learners with Special Needs

Course Description:

In this course, students will examine the process of identifying English language learners with special needs, including learning and social disabilities. They will also explore classroom strategies to help dually identified students improve academic outcomes.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

TSL 417 - Second Language Methods

Course Description:

Students will be introduced to the instructional cycle used with English language learners. Topics include the design and implementation of instruction. The course includes a 30 hour field experience component.

Credit Hours: 3 Prerequisite Courses:

EDN 316 [Inactive]

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link: Additional Course Fee Schedule

TSL 418 - Assessment for English Language Learners

Course Description:

Students will address issues of assessment for non-native English speakers. Topics include classroom assessment, program evaluation, language proficiency assessment, and standardized assessment.

Credit Hours: 3 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

TSL 423 - Second Language Acquisition

Course Description:

Students will be introduced to the field of Second Language Acquisition. Topics include basic concepts in first and second language acquisition and relationships between the two, key research, theories and principles in the field of English as a second language and how they relate to the academic achievement of English language learners.

Credit Hours: 3 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

TSL 470 - ESL Topics for non-ESL teachers

Course Description:

This course will introduce K-12 educators to the field of English as a second language, including issues of cross-cultural communication, ESL methodology, assessment and curriculum adaptation. A 10-hour field experience is required.

Credit Hours: 3 Crosslisting:

EDN 507 .

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

TFP 105 - Introduction to Teacher as Leader: Teaching Fellows Freshman Seminar

Course Description:

The seminar will introduce the freshman teaching fellows to the college experience by developing their understanding of effective strategies to optimize success in the university setting. Topics include learning strategies, university services, critical thinking, ethics and professionalism, and leadership characteristics. It will also include field experiences, collaborative learning, and independent scholarship.

Credit Hours: 3 Additional Restrictions/Requirements:

Formal enrollment in the Teaching Fellows Program or consent of director.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

TFP 106 - Introduction to Teacher as Leader II

Course Description:

In-depth introduction to, and examination of, the teaching profession and the development of leadership skills necessary for successful practice. Students will hear from classroom leaders and support personnel from all grade levels. A service learning component with an area middle school is required and includes a tutoring component. Emphasis also upon the development of skills essential for academic success.

Credit Hours: 1 Additional Restrictions/Requirements:

Formal enrollment in the Teaching Fellows Program or consent of director.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 1

TFP 201 - Community-Based Understanding in Education

Course Description:

The course is designed as an in-depth introduction to, and examination of, the problems facing students and the community as a whole. Students will participate in a service learning projects to better understand their students' life experiences. Topics range from gangs and poverty to ESL and immigration.

Credit Hours: 1 Additional Restrictions/Requirements:

Formal enrollment in the Teaching Fellows Program or consent of director.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 1

TFP 202 - Technology in the Classroom

Course Description:

The course is designed as a survey of unique and innovative technology components that can be utilized by both instructor and student in the classroom. Topics can include web design and usage, the use of SMART boards, animation tools, web 2.0 and 3.0 tools, as well as others. Students will create their own technology object/lesson.

Credit Hours: 1 Additional Restrictions/Requirements:

Formal enrollment in the Teaching Fellows Program or consent of director.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 1

TFP 203 - Math and Science Strategies for All Instructors

Course Description:

A survey of strategies to include math and science in all classrooms, not merely

those that are math and science discipline specific. Specific strategies and examples as well as opportunities will be discussed. Appropriate for all discipline areas.

Credit Hours: 1 Additional Restrictions/Requirements:

Formal enrollment in the Teaching Fellows Program or consent of director.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 1

TFP 204 - Leadership, Conflict, Ethics and Civility in Education

Course Description:

The course is designed to focus on theory and practice of leadership, issues of ethics, civility cohesiveness, trust, motivation, vision, and goals. Students will identify and examine conflict management, assessment, and decision-making goals.

Credit Hours: 1 Additional Restrictions/Requirements:

Formal enrollment in the Teaching Fellows Program or consent of director.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 1

TFP 205 - Comparative International Education

Course Description:

This course will examine and compare major differences in the approach to education in the K-12 setting in selected countries/regions. Differences in theoretical approaches as well as application of pedagogies will be studied. Students will critically examine global events and issues that affect education.

Credit Hours: 1 Additional Restrictions/Requirements:

Formal enrollment in the Teaching Fellows Program or consent of director.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 1

TFP 211 - Sophomore Internship I

Course Description:

Practicum experience during fall semester within a Fellows area of specialization. Students will engage in a variety of supervised instructional activities and assume increasing responsibility for all phases of classroom instruction. Practicums are offered in the areas of elementary education (K-6), middle grades education (6-8), secondary education (9-12), and special education.

Credit Hours: 1 Additional Restrictions/Requirements:

Formal enrollment in the Teaching Fellows Program or consent of director.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 1

TFP 212 - Sophomore Internship II

Course Description:

Practicum experience during spring semester within a Fellows area of specialization.

Students will engage in a variety of supervised instructional activities and assume increasing responsibility for all phases of classroom instruction. Practicums are offered in the areas of elementary education (K-6), middle grades education (6-8), secondary education (9-12), and special education.
Credit Hours: 1 Additional Restrictions/Requirements:
Formal enrollment in the Teaching Fellows Program or consent of director.
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 1

TFP 301 - Race and Education

Course Description:
The legacy of slavery, immigration and other issues of origin will be explored though the lens of Critical Race Theory, colorblindness, education policy, affirmative action, and other sociological perspectives in order to help understand its impact upon education.
Credit Hours: 1 Additional Restrictions/Requirements:
Formal enrollment in the Teaching Fellows Program or consent of director.
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 1

TFP 302 - Incorporating Fine Arts in all Academic Levels

Course Description:
Designed to provide experiences with visual art, music, drama, and dance that will prepare students to plan and deliver appropriate experiences to students. Attention will be given to understanding the arts in culture, the needs of students in the arts, the creative process, the skills and concepts of the arts, and connections to other disciplines across all grade levels. Emphasis will be on integrating arts instruction in other areas of the curriculum.
Credit Hours: 1 Additional Restrictions/Requirements:
Formal enrollment in the Teaching Fellows Program or consent of director.
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 1

TFP 401 - Professional Development of Teachers as Leaders

Course Description:
In-depth examination of the principles of leadership as they apply to the professional development of classroom teachers. Representatives from professional education organizations as well as school leaders will discuss what is required for pre-service teachers as they prepare to enter the work force. Emphasis on the establishment of personally designed professional goals will allow students to prepare for their futures as classroom, school and organizational leaders.
Credit Hours: 1 Additional Restrictions/Requirements:

Formal enrollment in the Teaching Fellows Program or consent of director.
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 1

THR 110 - Introduction to Theatre Technology

Course Description:

Examination of current materials and techniques employed in technical production with an emphasis on scenery and lighting technology.

Credit Hours: 3 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

THR 112 - Dance Appreciation

Course Description:

Appreciation of dance as an art form. The study of dance as a reflection and expression of various cultures from pre-history to present. Includes exposure to contemporary concert dance through films and televised or live performance. Introductory experience in selected dance techniques.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

THR 121 - Introduction to Theatre

Course Description:

Appreciation of theatre through an understanding of its artistic elements, history, dramatic literature, and audience involvement.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

THR 125 - Introduction to Design

Course Description:

Examines basic techniques, language, methods and practice employed in theatrical design. Three lecture and three lab hours per week concurrent with University Theatre production needs.

Credit Hours: 3 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

THR 130 - Improvisation

Course Description:

Exploration of spontaneous dramatic playing through intensive exercises and theatre games meant to generate greater individual freedom and self-discipline, as well as to employ improvisation techniques in acting to develop characterization,

stage movement, and ensemble performance.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

THR 134 - Ballet I

Course Description:

Basic and comprehensive Ballet Technique at a beginning level. Accumulative credit limited to six semester hours.
Credit Hours: 3 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

THR 135 - Modern Dance I

Course Description:

A beginning level modern dance class focusing on dance as an art form. Provides students with the opportunity to explore modern dance technique through floor work, center floor work, combinations moving through space, and strength and flexibility training.
Credit Hours: 3 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

THR 136 - Movement Exploration

Course Description:

Study through creative dance techniques of the body's potential as a tool for creative expression. Exploration of the relationship of dance to other art forms. Solo and group work using basic art concepts and the individual's own experience as materials for movement improvisation and composition. No dance training necessary.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives"] Crosslisting:

PED 136

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

THR 165 - Playscript Analysis for Production

Course Description:

The study of a diverse cross-cultural section of plays, analyzed through elements of the dramatic text including character, structure, style, language, genre, and theme as they are applied in production.
Credit Hours: 3 University Studies: ["Building Competencies/Writing Intensive", "Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

THR 201 - Drafting for the Theatre

Course Description:

Graphic solutions used in set design including drawing of plans, sections, elevations, orthographic projection, and the perspective techniques.
Credit Hours: 3 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

THR 202 - Rendering for Stage Design

Course Description:

Introduces students to the variety of techniques used to render designs for the stage. Students will learn to communicate their ideas visually through exercises in advanced perspective drawing, painting, costume plates, and model making.
Credit Hours: 3 Prerequisite Courses: THR 201 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

THR 205 - Stage Make-Up I

Course Description:

Theory and practice in the application of make-up for theatrical performances. Emphasizes make-up design theory used by the actor in his/her exploration of character. Requires crew participation in UNCW University Theatre productions.
Credit Hours: 3 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

THR 207 - Costume Construction I

Course Description:

Introduction to sewing techniques, methods of construction, and equipment used with various costume components for the stage. Three lecture and three lab hours per week concurrent with University Theatre productions needs.
Credit Hours: 3 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

THR 208 - Costume Crafts I

Course Description:

Introduction to a variety of craft and garment accessory construction techniques. Individual and departmental production projects.
Credit Hours: 3 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

THR 211 - Introduction to CAD

Course Description:

A study of theatre drafting conventions and software-related techniques. Topics include line-use, dimensions, text, notation, and symbols for use in creating floor plans, elevations, shop drawings, pictorials, and lighting plots.

Credit Hours: 3 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

THR 230 - Acting For Non-Majors

Course Description:

An introduction to basic acting techniques for non-majors.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

THR 231 - Craft of Acting I - Self-discovery and Truth - Fundamental Techniques of Acting

Course Description:

Introductory level acting studio focused on the process of approaching a role. Script reading and analysis from the actor's perspective with specific attention given to circumstances and the world of the play. Concludes with the performance of a scene from a play. No prior acting experience required.

Credit Hours: 3 Course Repeatability: Course may not be repeated. Major Restriction: Theatre Majors Only

THR 232 - Improvisation for Theatre Majors

Course Description:

An in-depth exploraton of spontaneous dramatic playing through intensive exercises and theatre games meant to generate greater individual freedom and self-discipline, as well as to employ improvisation techniques in acting to develop characterization, stage movement, and ensemble performance through the use of short form and long form improvisation.

Credit Hours: 3 Prerequisite Courses: THR 231 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

THR 234 - Ballet II

Course Description:

Basic Ballet Technique at an intermediate level. Accumulative credit limited to six semester hours.

Credit Hours: 3 Prerequisite Courses: THR 134 or PED 134 Additional Restrictions/Requirements: Prerequisite courses or consent of instructor.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

THR 235 - Modern Dance II

Course Description:

An intermediate level modern dance class. Provides students with the opportunity to

explore the modern dance technique through floor work, center floor work, combinations moving through space, and strength and flexibility training. Combinations will be more complex, requiring more fully articulated techniques, as introduced in THR 135 .
Credit Hours: 3 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

THR 236 - Tap Dance

Course Description:

The foundations of tap, including traditional vocabulary and improvisation, with an emphasis on musical theatre forms.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

THR 237 - Musical Theatre Dance

Course Description:
Development of body awareness in dance practice and performance utilizing traditional and contemporary musical theatre styles.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

THR 242 - Production Studio I

Course Description:
Provides an introduction to the elements of technical theatre as practiced in production. Accomplished through securing and executing a position on the running crew of one of the two main stage productions or through active involvement in the mounting of our Mainstage productions.
Credit Hours: 1 University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 2 Repeat Limit: 1

THR 250 - Applied Performance Laboratory

Course Description:
University Theatre sponsored laboratory for applied performance. Students must undergo a competitive audition held by UNCW director, and successful casting, rehearsal, performance and associated duties of a University Theatre production.
Credit Hours: 2 Additional Restrictions/Requirements:
Consent of instructor.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 4 Repeat Limit: 1

THR 251 - Production Studio II

Course Description:
An advanced study in mounting theatrical productions. Focuses on elements of the technical process and how it is integrated with the other collaborative elements into

production. Students enrolled in this course will take a managerial role through the supervision of beginning lab level students.
Credit Hours: 2 Prerequisite Courses: THR 242 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 2

THR 295 - Topics in Theatre

Course Description:
A broad study of a topic within the theatre discipline, such as history of theatrical design, dramatic theory. Commedia dell Arte. Content will be geared to the student with a general understanding of theatre. May be repeated under a different subtitle.
Credit Hours: 3 Prerequisite Courses: THR 165 Additional Restrictions/Requirements:
Prerequisite course or consent of instructor.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

THR 301 - Physical and Vocal Expression for the Performer I

Course Description:
Prerequisite: Theatre major in the 'Performance' concentration or consent of instructor. Exploration of the body and voice as the primary tools of the actor's instrument. Identification of habitual practices such as physical tensions and manifestation of blocks will be addressed. Codified methodologies of vocal training for the actor will be introduced. Intended to initiate a lifelong process of opening the body as an instrument for free expression of the voice and imagination.
Credit Hours: 3 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

THR 302 - Physical and Vocal Expression for the Performer II

Course Description:
Continuation of the process of opening the body as an instrument for free expression of the voice and imagination. Exposure to working with heightened language, verse, Greek plays, and poetry.
Credit Hours: 3 Prerequisite Courses:
THR 301 with a grade of B or better.
Course Repeatability: Course may not be repeated.

THR 305 - Scene Design I

Course Description:
An intermediate study of set design development and presentation building upon coursework begun in THR 125, and focusing specifically upon the art, history, methodology, and practice of theatrical design. 20 lab hours of applied experiential learning required.

Credit Hours: 3 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

THR 306 - Light Design I

Course Description:

Basic techniques of lighting design. Includes fundamentals of lighting production techniques and equipment, and the use of color. Requires lab participation in University Theatre productions.

Credit Hours: 3 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

THR 308 - Costume Design I

Course Description:

Principles of theatrical design applied to stage costume. Period play interpretation, figure drawing, color theory, and rendering techniques pursuant to developing an individual aesthetic and design style.

Credit Hours: 3 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

THR 309 - History of Fashion

Course Description:

Exploration of the changes in silhouette and fabrication of clothing from ancient Greece to today. Special emphasis on the social and cultural consequences of fashion in different societies.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

THR 310 - Sound Design I

Course Description:

A study and application of the elements required for creating an acoustical landscape for theatrical productions. Topics include design, script analysis and research techniques to create sound designs.

Credit Hours: 3 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

THR 312 - Scene Painting

Course Description:

Beginning exercises with materials and tools used to paint stage settings and backdrops. Demonstrations and projects in brush and non-brush techniques; layout; color mixing; and stencils. Practical projects include color blends; textures; brick and stone; interior and exterior woodwork, and marble. Requires involvement with University Theatre productions.

Credit Hours: 3 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

THR 313 - Properties Design

Course Description:

Examine, explore and practice the theatre craft of properties design through analysis to fabrication, identification, acquisition or repurposing of existing props and materials. 20 hours of applied/experiential learning in a lab situation required.

Credit Hours: 3 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

THR 314 - Set Decorating

Course Description:

Students will develop, practice and demonstrate a strong working knowledge of the art and craft of theatrical and film set decoration through a series of practical and theoretical projects throughout the semester. 20 hours of applied/experiential learning in a lab situation required.

Credit Hours: 3 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

THR 316 - Playwriting I

Course Description:

Intensive and imaginative exploration of playwriting through various exercises designed to foster and challenge personal creativity, ensure aesthetic understanding and application, while advancing fundamentals of craft. Concludes with the creation of a ten-minute play, or short form play.

Credit Hours: 3 University Studies: ["Building Competencies/Writing Intensive"] Crosslisting: CRW 316

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

THR 318 - Devising Theatre

Course Description:

Collaborative creation and presentation of an original performance based on a topic of cultural significance and student interest. Rather than write a dramatic script, students build a performance text. Sources of inspiration may include improvisation, music, dance, visual imagery, and electronic media.

Credit Hours: 3 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

THR 321 - A Social History of Western Theatre I

Course Description:

Development of theatre and drama from classical Greece through the Renaissance. Emphasis on theatrical performance including acting, staging, architecture, dramatic

literature and audiences.
Credit Hours: 3 Prerequisite Courses: THR 165 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

THR 322 - A Social History of Western Theatre II

Course Description:
Development of theatre and drama from the late Renaissance to World War II. Emphasis on theatrical performance including staging, architecture, dramatic literature and audiences.
Credit Hours: 3 Prerequisite Courses: THR 165 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

THR 325 - Stage Make-up II

Course Description:
Advanced stage make-up focusing on the principles of ventilating, prothestics,wig styling, character analysis and design. Detailed discussion of collaboration between the make-up artist, actor, costume designer, and director will also be included.
Credit Hours: 3 Prerequisite Courses: THR 205 Additional Restrictions/Requirements:
Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

THR 327 - Costume Construction II

Course Description:
Advanced costume construction to further the student's understanding, sewing, and patternmaking skills. Emphasis will be place on draping, couture sewing techniques, and detailed finishing of costumes. A two-hour lab per week is also required for completion of course.
Credit Hours: 3 Prerequisite Courses: THR 207 Additional Restrictions/Requirements:
Prerequisite course or consent of instructor.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 3

THR 328 - Puppetry – Design and Fabrication

Course Description:
Analysis of puppetry through the study of basic mechanical systems, sculpting, sewing and finishing techniques from conception to presentation. Introduction to puppet design, control and performance through applied projects.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

THR 329 - Materials and Techniques

Course Description:
Advanced study of materials and techniques employed by professional technical

designers.
Credit Hours: 3 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

THR 330 - Audio Engineering I

Course Description:
Examination of current techniques employed by system engineers for creating, editing and recording sound effects for theatrical production.
Credit Hours: 3 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

THR 332 - Craft of Acting II - Listening and Responding in the Moment

Course Description:
Study of acting techniques based on methodologies including those of Stanislavsky, Meisner, Donellan, and Hagen. In-depth exploration of contemporary realism and comedy scene study.
Credit Hours: 3 Prerequisite Courses:
THR 230 (grade of B or better) or THR 231 (grade of B or better), or consent of instructor.
Course Repeatability: Course may not be repeated. Major Restriction: Theatre Major

THR 333 - Craft of Acting III - Advanced Scenework

Course Description:
Exploration of the foundations of performing including late 19th century realism, absurdism, existenialism, theatre of cruelty, and expressionism.

Credit Hours: 3 Prerequisite Courses:
THR 301 with a grade of B or better and THR 332 with a grade of C or better.
Course Repeatability: Course may not be repeated. Major Restriction: Theatre Major only

THR 334 - Audition Techniques for Stage and Film

Course Description:
Designed to apply the skill set acquired during acting study to typical industry casting opportunities. Four auditioning contexts: theatrical, commercial, film, and television. Students are presented with actual scripts and scenes used in entertainment industry situations. Auditions are taped for instructor, student, and peer critique. Upon successful completion, students gain understanding of the audition process, including presentation of self in an appropriate, professional

manner.

Credit Hours: 3 Prerequisite Courses:

THR 332

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor. Junior or senior theatre majors only.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

THR 335 - Acting for the Camera

Course Description:

Exploration of acting techniques particular to the mediums of film and video.

Credit Hours: 3 Prerequisite Courses:

THR 230 or THR 231 or THR 332 or consent of instructor.

Crosslisting:

FST 335

Course Repeatability: Course may not be repeated. Additional Course Fees: ["None"] Additional Fees Link:

Additional Course Fee Schedule

THR 336 - Shakespeare and Autism

Course Description:

An ensemble based intra-disciplinary and cross-disciplinary theatre performance course. The course provides students enrolled in the course with the training needed to offer interactive Shakespeare-based drama workshops to children from the community who have been diagnosed with autism spectrum disorder (ASD).

Credit Hours: 3 Additional Restrictions/Requirements:

Consent of instructor.

University Studies: ["Approaches and Perspectives/Living in a Diverse Nation"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

THR 341 - Dance for the Camera

Course Description:

Introduction to creating choreography for the screen, using technology to create creative dance works through both lecture and lab-based instruction.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

THR 342 - Dance Improvisation and Composition

Course Description:

Foundations of guided improvisation and the necessary tools for creating dance choreography.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

THR 343 - Dance and Popular Culture

Course Description:

Exploration into the historical and social perspective of dance in popular culture, including screen, social media, club dancing, etc., and its effect on contemporary society.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

THR 344 - Dance and Social Issues

Course Description:

Exploration of dance as it relates to cultural and social issues from an artistic and historical perspective.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

THR 345 - Hip Hop

Course Description:

Fundamentals of the varying styles of Hip Hop with a focus on street dance styles, freestyle, and dancing in the commercial industry.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

THR 346 - Global Dance Forms

Course Description:

Exploration of traditional dance forms from around the world, including African, Latin, Indian, or other international dance styles. Each semester focuses on the choreography and traditions of one global dance form from both technical and historical perspectives in a studio class format.
Credit Hours: 3 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Repeat Limit: 1

THR 347 - Partnering for Dance

Course Description:

Contemporary partnering practice, utilizing weight sharing and resistance, balance, lifting, etc.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

THR 348 - Music for Dance

Course Description:

An exploration of musical styles, global music forms, and rhythm fundamentals for dance artists, including choreographer and teacher.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

THR 349 - Dance in the Community

Course Description:

Opportunity for students to connect with the community, through performance, teaching, or creating choreographic works in a variety of settings. Developing skills to network with other dance organizations or studios.

Credit Hours: 1 Additional Restrictions/Requirements:

Approval of Dance Coordinator required.

Course Repeatability: Course may not be repeated. Additional Course Fees: ["Additional Fee - Liability Insurance"] Minor Restriction: Dance Minor Only

THR 355 - Directing I

Course Description:

Fundamental principles of directing with emphasis on one-act productions.

Credit Hours: 3 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

THR 365 - Studies in Drama

Course Description:

ENG 103 or ENG 201 recommended but not required. A variety of plays representing tragedy, comedy, and modern forms. Works from a variety of periods, authors, and traditions with some attention to dramatic criticism.

Credit Hours: 3 Crosslisting:

ENG 365

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12 Repeat Limit: 1

THR 366 - Black American Theatre

Course Description:

Critical study of Black American theatre traditions and innovations from 1800 to present. May include various writers, dramatists, and performers from across the African Diaspora.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in a Diverse Nation"] Course Repeatability: Course may not be repeated.

THR 367 - Women in Theatre

Course Description:

Critical study of women and labor in the history of theatre and performance. Various texts studied may include primary source archival material, historical periodicals and newspapers, academic journals, and published biographies.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in a Diverse Nation"] Course Repeatability: Course may not be repeated.

THR 368 - Contemporary British and Irish Dramatic Literature

Course Description:

Major playwrights and plays of representative British and Irish Drama after WW II.
Credit Hours: 3 University Studies: ["Building Competencies/Writing Intensive", "Approaches and Perspectives/Living in a Global Society"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

THR 369 - The American Canon: Seminar in Dramatic Literature

Course Description:

This course provides a solid foundation in the major playwrights and playwriting trends of the American canon from the Golden Age (O'Neill, Williams, Miller and Albee) throught the most significant current plays and playwrights.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in a Diverse Nation", "Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

THR 370 - Theories of Theatre and Performance

Course Description:

Study of various theatrical, philosophical and aesthetic bases of performance forms and styles from a variety of periods.
Credit Hours: 3 University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

THR 371 - Applied Dramaturgy

Course Description:

An intensive exploration of dramaturgy through various activities designed to build practical dramaturgy skills such as dramaturgical research, new play development, and audience outreach.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

THR 380 - Stage Management

Course Description:

The techniques used by professionals for the managment of theatrical and performance events. Students will learn organizational and leadership skills necessary for being sucessful stage managers.
Credit Hours: 3 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 3

THR 381 - Theatre Management

Course Description:

An introduction to the theory and art of managment in the American theatre. Basic principles of business practices and relate them to theatre management. Examines the various types of theatre organizations and production methods.

Credit Hours: 3 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

THR 395 - Applied Studies in Theatre

Course Description:

A broad study of topics within the theatre discipline, such as advanced design and technology, history of theatrical design, dramatic criticism, advanced directing, advanced playwriting, and stage management. May be repeated under a different subtitles.

Credit Hours: 3 Prerequisite Courses: THR 165 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

THR 401 - Advanced Movement

Course Description:

Advanced movement techniques and skills for actors including armed and unarmed combat, basic stuntwork, circus skills and viewpoints. Period style courtesies such as Commedia dell'arte appropriate for the stage or camera.

Credit Hours: 3 Additional Restrictions/Requirements:

Consent of instructor.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

THR 402 - Advanced Voice

Course Description:

Advanced technical vocal skills for actors including dialects for the stage expressed in the world canon of literature and performance. Advanced application of the International Phonetic Alphabet and vocal production will be explored.

Credit Hours: 3 Prerequisite Courses:

THR 301 and THR 302

Additional Restrictions/Requirements:

Theatre major. Consent of instructor.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

THR 405 - Scene Design II

Course Description:

Expand upon the study and practice of scene design, challenging the students to explore and create for the demands of larger scale productions, including multi-set dramas, musical theatre and opera.

Credit Hours: 3 Prerequisite Courses: THR 305 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

THR 406 - Lighting Design II

Course Description:

Provides hands-on lighting and design experience in the light lab. Includes a variety of projects that will expand the student's abilitiy to ""look at light"" and to develop an eye as a designer. This course includes lab work on university productions.

Credit Hours: 3 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

THR 408 - Costume Design II

Course Description:

Designed to further the student's understanding of historical period details, figure drawing, and color theory. Emphasis will be placed on rendering techniques, script analysis, and character interpretation. The students will also improve on their sewing and patterning techniques to create actualized costumes.

Credit Hours: 3 Prerequisite Courses: THR 207 and THR 308 Additional Restrictions/Requirements:

Prerequisite courses or consent of instructor.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

THR 410 - Sound Design II

Course Description:

Advanced study of sound design within a project-based course. Students will submit production concept statments and recordings for the production in a quality format. Special focus will be on original composition for theatrical production. All work will be formally submitted for evaluation.

Credit Hours: 3 Prerequisite Courses: THR 310 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

THR 411 - Three-Dimensional Computer Modeling

Course Description:

A study of software to develop models of scene designs for the stage. Topics include shape and texture generation; light handling; rendering; scanning; and output.

Credit Hours: 3 Prerequisite Courses: THR 211 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

THR 412 - Production Design for Film

Course Description:

Examination of selected commercial films and art directors from various decades and genres that represent milestones in the history of Production Design. Development of practical design projects such as storyboards, color perspective

rendering, 3D models and matte painting.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

THR 416 - Playwriting Workshop

Course Description:
This course focuses on the development of the new play from early drafts, through revision, workshops, rehearsal toward a staged reading or concert level production. Select scripts may be considered for the department's student lab series. Playwrights will have opportunities to work with actors in the development of dialogue, monologue, and character. Stress will be placed on the revision process and working with collaborators in the play's development.
Credit Hours: 3 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

THR 430 - Audio Engineering II

Course Description:
Examination of current techniques employed by system engineers regarding reinforcement techniques for live theatrical events. Emphasis will be on: microphone use for vocal and instrumental reinforcement in musical and non-musical situations, and the integration of system components (both digital and analog) into system designs for live production.
Credit Hours: 3 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

THR 432 - Acting Technique: Jacobean Theatre

Course Description:
Extends the training from Acting III into Jacobean playwrights. Creating a process for a deeper understanding of working with classical text is a central focus.
Credit Hours: 3 Prerequisite Courses: THR 333 Additional Restrictions/Requirements:
Prerequisite course and consent of instructor.
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

THR 433 - Craft of Acting IV - Verse and Shakespeare

Course Description:
Focus on the performance of Shakespeare by understanding how Shakespearean writing flows from world-perception to response. Emphasis on poetic meter, language, and heightened language. Exploration of three-dimensional character development within the confines of Shakespearean verse.
Credit Hours: 3 Prerequisite Courses:
THR 332 and THR 333, each with a grade of C or better.

Course Repeatability: Course may not be repeated. Major Restriction: Theatre Major

THR 435 - Acting for the Camera II

Course Description:

Expands upon the foundations learned in Acting for the Camera I with greater emphasis on character development, advanced acting technique for camera, and being able to provide honest performances in an on-demand setting. In-depth work with emotion and physicality will be explored.

Credit Hours: 3 Prerequisite Courses: THR 335 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

THR 455 - Directing II

Course Description:

Advanced techniques in the direction of plays for the stage.

Credit Hours: 3 Prerequisite Courses: THR 355 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

THR 485 - Senior Project

Course Description:

Every major may choose an area in theatre for a senior project. The proposal for planning and executing a public presentation in the chosen area must be submitted to the faculty of the Department of Art and Theatre for approval prior to the semester during which the project will be attempted.

Credit Hours: 3 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

THR 486 - Senior Seminar: Performance

Course Description:

A comprehensive assessment of the performance student's experience and study as a theatre major in preparation for continued study or employment. Preparation of portfolio and scenes.

Credit Hours: 3 Additional Restrictions/Requirements:

Senior standing in theatre.

University Studies: ["Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

THR 487 - Senior Seminar: Design and Technology

Course Description:

A comprehensive assessment and synthesis of the design/tech student's four-year experience as a theatre major in preparation for employment or continued study. Development of resumand career goals strategy, organization and formatting of

portfolio materials, presentation exercises, and a study of interview and workplace issues.

Credit Hours: 3 Additional Restrictions/Requirements:

Senior standing in theatre.

University Studies: ["Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

THR 488 - Senior Seminar: Customized Option

Course Description:

A senior experience for students in the Customized Option of the theatre B.A. program involving review of aptitudes, both theoretical and applied, relative to an individual's potential "next step" options, whether graduate study or professional employment. Course activities may involve completion of a capstone project related to a student's specialization area(s).

Credit Hours: 3 Additional Restrictions/Requirements:

Senior standing in theatre.

University Studies: ["Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

THR 491 - Directed Individual Study

Course Description:

Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.

Credit Hours: 1 To 3 Additional Restrictions/Requirements:

Junior or senior standing, overall GPA of at least 2.00, and consent of instructor, department chair and dean.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

THR 495 - Theatre Seminars

Course Description:

Consideration of special subjects not covered in regular course offerings. More than one topic may be taken for credit.

Credit Hours: 1 To 3 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

THR 498 - Internship in Theatre

Course Description:

Academic training and practical field experience through a program of work and study within an agency and/or setting related to the student's principal area of

interest. Faculty supervision and evaluation of all study and on-site activity. (A maximum of six credit hours may be applied toward the degree).

Credit Hours: 3 To 6 Additional Restrictions/Requirements:

Junior or senior standing, minimum 3.00 GPA in the major, and consent of chair.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link: Additional Course Fee Schedule

THR 499 - Honors Work in Theatre

Course Description:

Independent study for honors students.

Credit Hours: 2 To 3 Additional Restrictions/Requirements:

Senior standing.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

WPA 101 - Wellness and Physical Activity

Course Description:

Introduces students to the fundamental concepts and practical experiences associated with the physical, emotional, intellectual, social and spiritual components of wellness. Promotes behavioral changes to enhance well-being and lifelong maintenance of personal health and fitness. Lecture and physical activity/lab are required components. Prerequisite for online lab sections: Permission of instructor.

Credit Hours: 1 Prerequisite or Corequisite Courses:

WPAL 101

Additional Restrictions/Requirements:

Prerequisite for ext online lecture section: Extension student status.

University Studies: ["Lifetime Wellness"] Course Repeatability: Course may not be repeated.

WPA 210 - Plant-Based Living for Wellness

Course Description:

This course is designed to explore plant-based living including if plant-based diets may offset the world's population growth and environmental concerns related to factory farms and climate change, the role of plant-based lifestyles, physical activity, and stress management in chronic disease prevention, reviewing scientific literature regarding plant-based living, and the principles of planning a healthful whole food plant-based meal plan.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

WPA 220 - Introduction to Yoga Methodology and Techniques

Course Description:

This course provides a foundational study and application pertaining to the study of yoga and its history, literature, philosophy and practice. This course draws from multiple yoga traditions with the emphasis placed on Patanjali's, Yoga Sutras. Students will be taught yoga techniques, teaching methodology, and the practice of asana, pranayama, meditation, and other traditional yoga techniques.

Credit Hours: 3 Prerequisite Courses:

WPAL 101.

Additional Restrictions/Requirements:

Students must have some yoga experience (>10 hours of practicing yoga).

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

WPA 294 - Physical Activity and Wellness Study Abroad

Course Description:

Lower division special topics in Physical Activity and Wellness taken abroad or partially abroad. Course taught by UNCW faculty or as transfer credit from a foreign institution.

Credit Hours: 1 To 3 University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 9

WPA 295 - Special Topics in Physical Activity and Wellness

Course Description:

Course shell for future special topics courses. Course descriptions and SLOs will be established and approved by local curriculum committees before offering the course.

Credit Hours: 1 To 3 Prerequisite Courses:

WPAL 101 or PED 101

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 9 Repeat Limit: 2

WPA 420 - Advanced Yoga Teaching, Methodology, and Practicum

Course Description:

This course provides a continuation of the study towards a Yoga minor. The topics include in-depth study of the biopsychosocial approach to wellness, posture and breathing techniques and practice, teaching methodology, anatomy and physiology, yoga philosophy, and ethics.

Credit Hours: 3 Prerequisite Courses:

WPA 220

Course Repeatability: Course may not be repeated.

WPA 494 - Physical Activity and Wellness Advanced Study

Abroad

Course Description:

Upper division in Physical Activity and Wellness taken abroad or partially abroad. Course taught by UNCW faculty or as transfer credit from a foreign institution.

Credit Hours: 1 To 3 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 9

WPA 495 - Advanced Special Topics in Physical Activity and Wellness

Course Description:

Course shell for future special topics courses. Course descriptions and SLOs will be established and approved by local curriculum committees before offering the course.

Credit Hours: 1 To 3 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 9

WPAL 101 - WPAL 101 - Wellness and Physical Activity Lab - Olsen

Course Description:

Participation in physical activity, increased awareness and development of using physical activity to enhance all aspects of well-being, increased awareness and development of a well-rounded lifestyle. Physical Activity and Wellness LAB is a 1-credit course. The purpose of this course is threefold: 1) to provide you with instruction and guidance during participation in lifetime physical activities (i.e., cardiovascular, resistance and flexibility) to improve your fitness, health and wellness, 2) to recognize the multidimensional nature of wellness and its reciprocal relationship with physical activity, and 3) to enhance self-awareness and self-management skills associated with lifelong physical activity. Course activities and assignments are specifically designed to improve your knowledge, beliefs, motivations, skills, and behaviors to aid in your lifetime journey of being active.

Credit Hours: 1 Prerequisite or Corequisite Courses:

WPA 101

Additional Restrictions/Requirements:

Prerequisite for online lecture/lab sections: Extension student status. Prerequisite for online lab sections: Permission of instructor.

University Studies: ["Lifetime Wellness"] Course Repeatability: Course may not be repeated.

WGS 210 - Introduction to Women's Studies

Course Description:

This course introduces students to the discipline of women's and gender studies. Status of women from a variety of historical, economic, cultural, and theoretical perspectives. Topics include masculinity, femininity, violence, reproductive health, issues in sexual orientation, and the intersectional dynamics of race, class, and gender.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in Our Diverse Nation"]
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

WGS 212 - Sexuality and Gender

Course Description:
Theoretical and cultural contexts and complexities of sexuality as they relate to the dominant culture. Intersections of race, class, gender and sexual orientation will be examined in relation to the formation of sexual identity and the contradictions of institutionalized norms and standards.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in Our Diverse Nation"]
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

WGS 230 - Women in Film

Course Description:
Survey and analysis of films by women filmmakers throughout the world. Diverse film styles, periods, and genres will be represented. Screening and discussion of cinematic works in their original language with English subtitles when needed.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives"] Crosslisting:
WLC 230 , FST 230
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

WGS 280 - Special Topics in Women's and Gender Studies

Course Description:
Study of selected topics in Women's and Gender Studies that are not considered in detail in regular course offerings.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in Our Diverse Nation"]
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

WGS 491 - Directed Individual Study

Course Description:
Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.
Credit Hours: 1 To 3 Additional Restrictions/Requirements:

WGS minor, overall minimum GPA of 2.00, and consent of instructor, WGS coordinator and dean.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 9

WGS 495 - Seminar in Women's and Gender Studies

Course Description:

Intensive interdisciplinary study of a topic or theme in women's studies, such as women and sports, women in art history, or feminist theory.

Credit Hours: 3 Prerequisite Courses:

WGS 210

Additional Restrictions/Requirements:

Prerequisite course and 6 additional hours of courses in the WGS minor or consent of instructor.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

WGS 498 - Internship in Women's and Gender Studies

Course Description:

Practical experience through a program of work and study within an agency or other setting related to the student's principal area of interest. Area of concentration, requirements, and means of evaluation to be defined in consultation with supervising faculty.

Credit Hours: 3 Additional Restrictions/Requirements:

Junior or senior standing, minimum of 12 hours in women's and gender studies or consent of coordinator.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:

Additional Course Fee Schedule

WLD 300 - Effective Communication in Workforce Learning Development

Course Description:

This course is designed to provide a foundation in effective written and oral communication techniques for workforce training and development professionals that introduces associated theories and practical applications of those theories such as formation of job aides, resumes, e-mail, social media, memoranda, letters, applying for grants, proposals, and reports. Nonverbal and intercultural communications are emphasized.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

WLD 305 - Emotional Intelligence in Training and Development

Course Description:

Designed to investigate the role of emotional intelligence for understanding, assessing, and regulating your emotions, interpreting the verbal and nonverbal behavior of learners, and adjusting behavior and instruction in relation to learners.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

WLD 310 - Global Organizational Learning & Development

Course Description:

Designed to develop an appreciation for the abilities, insights, and ideas of all individuals. Emphasis will be on working effectively with diverse populations, recognizing the need to address format, availability, styles, abilities, motivations, and/or backgrounds when providing learning and development solutions across and within borders and cultures.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in a Global Society"] Course Repeatability: Course may not be repeated.

WLD 315 - Foundations of Adult and Workforce Education

Course Description:

Designed to investigate historical, economic, psychological, and education foundations of post-secondary, vocational, adult training and re-training, and workforce learning programs. Will address who participates in workforce education, why they participate, and how andragogy influences the delivery of workforce education.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Understanding Human Institutions and Behaviors"] Course Repeatability: Course may not be repeated.

WLD 320 - Coaching and Talent Development

Course Description:

Designed to develop knowledge, skills, and dispositions for organizational leaders in talent management, workforce development, career development. Introduces concepts related to career and adult development theory and coaching strategies to achieve performance and goal success at an individual, group, and organizational levels.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

WLD 325 - Facilitation and Presentation in Learning & Development

Course Description:

Designed to research and discover effective facilitation skills in adult education and workplace environs, including the nature of groups, group dynamics, effective planning, role clarification, identifying intervention points, & effective tools and techniques useful in building consensus around a topic, using effective questioning skills to guide participants toward action, and developing effective methods for addressing conflicts among participants.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

WLD 330 - Instructional Strategies for Workforce Learning & Development

Course Description:

Designed to develop knowledge of adult learning theories and concepts and their application to the instructional process/strategies with adults**.** Understand andragogy, strategies, materials, implementation, and delivery of learning activities with adults**.**

Credit Hours: 3 Course Repeatability: Course may not be repeated.

WLD 335 - Diverse Learners in the Workforce

Course Description:

Designed to effectively explore, recognize, and understand diversity in work settings and how that understanding is used to meet the unique learning needs and identify the opportunities for collaborative efforts.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in a Diverse Nation"] Course Repeatability: Course may not be repeated.

WLD 340 - Introduction to Organizational Development

Course Description:

Designed to develop an understanding of the practices used to diagnose organizational needs and subsequent organization interventions and improvements within the workforce.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

WLD 359 - Work Experience in Workforce Learning & Development

Course Description:

Credit granted for past work experience in the area of workforce learning and development while employed in business & industry, non-profit, government service, or military organizations. Students will be required to develop a portfolio of their

experiences. Instructor approval needed.
Credit Hours: 1 To 12 Additional Restrictions/Requirements:
Instructor approval.
Course Repeatability: Course may not be repeated.

WLD 375 - Principles of Adult and Workforce Learning and Development

Course Description:
Designed to explore basic theories of adult learning and instruction as they relate to the learner, the workplace and the social context. Develop an understanding of basic adult learning and instruction principles including design and delivery of education**.**
Credit Hours: 3 Course Repeatability: Course may not be repeated.

WLD 380 - L&D Program Development

Course Description:
Designed to develop a systematic approach to assessing employment and training needs, developing curriculum, assessing organizational and community-based resource needs and measuring impact.
Credit Hours: 3 University Studies: ["Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

WLD 391 - Occupational Learning & Development

Course Description:
Credit granted for past professional development in the area of workforce learning and development while employed in business & industry, non-profit, government service, or military organizations. Students will be required to develop a portfolio of experiences. Instructor approval required.
Credit Hours: 1 To 12 Additional Restrictions/Requirements:
Instructor approval.
Course Repeatability: Course may not be repeated. Major Restriction: Workforce Learning and Development

WLD 400 - Principles of Instructional Design

Course Description:
Designed to provide an analysis of theoretical foundations of instructional design and application in design practice. The course will examine multidisciplinary and multicultural influences upon instructional theory and development. A broad range of current design research and theory and future directions in design theory and practice will be explored.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

WLD 401 - Motivation in Workforce Learning & Development

Course Description:

Reviews and analyzes theories of motivation in relation to instructional design strategies. The primary emphasis is on the motivation to learn and techniques for stimulating and sustaining learner motivation.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

WLD 402 - Performance Improvement in Learning & Development

Course Description:

Designed to introduce the field of human performance technology (HPT) through examination of basic concepts and principles of human performance, human performance system models, various approaches to solving human performance problems and how they can be applied to the field of workforce L&D.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

WLD 403 - Introduction to Computer Programming in Learning & Development

Course Description:

Designed to study computer programming as a problem-solving tool applied to real world workforce development problems, with solutions designed and implemented in various programming and scripting languages.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

WLD 405 - Fundamentals of Learning in Workforce Learning & Development

Course Description:

Exploration of the workplace as a learning environment, with a focus on the social and political dynamics of diverse learners and workplace learning communities.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

WLD 410 - Designing & Developing Learning & Development Programs

Course Description:

Emphasis on the foundation of understanding roles of learning, training and development in workplace settings, and systematic and evidence-based approach for designing and managing quality L&D programs in the workplace. The course will

research concepts, knowledge and skills to access, design, develop, deliver and evaluate trainng programs as the apply to workplace learning and development.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

WLD 411 - Multimedia-based Instructional Design for Workforce Learning & Development

Course Description:

Focuses on cognitive learning theory, perception, motivation, color principles, communication, usability, multimedia learning principles and instructional design applicable to designing multimedia instructional products. Students will learn to design, develop, and evaluate multimedia applications for workforce development.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

WLD 412 - Instructional Technology Integration for Learning & Development

Course Description:

Provides workforce development professionals the knowledge and skills related to application and integration of computer and information technologies to workforce learning and development environment.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

WLD 413 - Technology-based Applications in Learning & Development

Course Description:

Students will learn to design, develop and evaluate interactive computer, video, and mobile-based instructional programs that address workplace instructional needs using a systematic instructional design process.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

WLD 414 - Online Learning Fundamentals

Course Description:

Designed to examine the concepts, technologies, and issues related to the design, development, delivery, policymaking, and evaluation of online courses and programs.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

WLD 415 - Web-based Teaching for Working Learners

Course Description:

Focus on principles of designing Internet-based (web-based) instruction. Explore the use of Internet tools and other instructional design principles to design and develop web-based instruction. Develop knowledge and skills on how to create an interactive online learning environment based in principles of andragogy and how to design, develop, deliver, and manage online or web-based instruction. Examine the theory, practice, and technology related to web teaching and learning. Recognize the differences between face-to-face and online learning environments, select appropriate strategies for the design and delivery of a pedagogically sound online instruction.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

WLD 416 - Design & Production of Instructional Video for L&D

Course Description:

Designed to develop an understanding of the process and techniques involved in professional video productions.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

WLD 417 - Games, Simulations, and Puzzles in WLD

Course Description:

Explore the process of designing games, simulations, and virtual environments for teaching and learning. Analysis of design and use of commercial games and simulations to identify technical, practical, and pedagogical limitations. Explore a variety of engine software and various methodologies for building and evaluating gaming models.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

WLD 418 - Learning Management Systems in Workforce Learning & Development

Course Description:

Address administrative, management and tracking aspects of online courses. Emphasizes managing enterprise level Learning Management System (LMS), SCORM compliant and processes for launching courses authored in all standard course-authoring tools. Cover a variety of topics related to LMS, including key terms and definitions as well as the LMS management process.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

WLD 419 - Computer Interface Design

Course Description:

Explore image-editing techniques (Beginner to advanced) while simultaneously investigating the principles of human-computer interaction. Focuses on designing visually pleasing interfaces for PC, tablet, and mobile devices. Introduces theories of interface design and how to apply them in various settings through raster and vector image editing software.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

WLD 420 - Organizing and Directing Instructional Development

Course Description:

Examination of principles of planning, scheduling, allocating resources, budgeting, proposal preparation, cost control and personnel management for instructional projects. Students negotiate an effective design project plan, how to implement that plan, and how to control and monitor project activities. Case studies will be used as a basis for exercises and discussions. Each student will develop a plan that meets specific criteria.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

WLD 421 - Diffusion in Learning & Development

Course Description:

Review of the diffusion process by introducing essential concepts and reviewing contemporary theoretical developments. Emphasis will be placed on diffusion and social network analysis as applied to workforce development.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

WLD 422 - Organization and Management of Workforce Learning Development Programs

Course Description:

Focus on principles of designing Internet-based (web-based) instruction. Explore the use of Internet tools and other instructional design principles to design and develop web-based instruction. Develop knowledge and skills on how to create an interactive online learning environment based in principles of andragogy and how to design, develop, deliver, and manage online or web-based instruction. Examine the theory, practice, and technology related to web teaching and learning in the working environment. Recognize the differences between face-to-face and online learning environments, select appropriate strategies for the design and delivery of a pedagogically sound online instruction.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

WLD 430 - Appraising Organizational Change in Workforce Learning and Development

Course Description:

Designed to provide an introduction to evaluation techniques associated with educational evaluation media and materials, courses, curricula, students or other elements in educational programs. Various units of the course will focus upon particular evaluation techniques.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

WLD 431 - Assessing Learning Outcomes

Course Description:

Examination of the nature and purpose of measurement and assessment of learning outcomes. Particular attention is paid to the concepts of reliability, validity, norms, interpretation of scores, response sets, fairness in testing and performance assessment, and norm referenced vs. criterion referenced tests. A variety of instruments that are used to measure or assess human attributes and behaviors are studied.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

WLD 480 - WLD Capstone

Course Description:

Designed to provide students opportunities to investigate problems in workforce learning and development through an on-site experience. Special approval needed from the instructor. Restricted to Workforce Learning and Development majors.

Credit Hours: 3 Additional Restrictions/Requirements:

instructor approval.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated. Major Restriction: Workforce Learning and Development

WLD 498 - WLD Internship

Course Description:

Provides the student with an opportunity to gain knowledge and skills from a planned work experience in workforce learning and development. Students will meet learning outcomes developed jointly with the site supervisor. Internship placements provide learning experiences not available in the classroom setting. internships provide entry-level, career-related experience and workplace competencies that employers value when hiring new employees.

Credit Hours: 3 Additional Restrictions/Requirements:

Must be approved by the instructor.
Course Repeatability: Course may not be repeated.

WLC 105 - English as a Second Language

Course Description:
Development of English language proficiency of non-native speakers attending the university. Extensive exposure to reading, writing, speaking and listening activities.
Credit Hours: 3 Additional Restrictions/Requirements:
Consent of instructor (based on language proficiency test score).
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

WLC 205 - Perspectives in World Cinema

Course Description:
Survey of selected international cinemas with emphasis on major narratives, trends, and movements examined in the context of the language, history, politics, and culture of their respective countries. Possible topics to be explored through film include national identity, (post) colonialism, ethnicity, gender, sexuality, class, globalization and transnational exchanges.
Credit Hours: 3 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

WLC 206 - Perspectives in European Cinema

Course Description:
Survey of selected European cinemas with emphasis on major narrative films and the cultural and historical context from which they derive. Explores the ways in which cinema constructs concepts of national identity and examines whether the cinema of a nation carries distinguishing traces of the nation's unique history, culture, and ethnic makeup.
Credit Hours: 3 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

WLC 230 - Women in Film

Course Description:
Survey and analysis of films by women filmmakers throughout the world. Diverse film styles, periods, and genres will be represented. Screening and discussion of cinematic works in their original language with English subtitles when needed.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives"] Crosslisting:
FST 230 , WGS 230
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

WLC 341 - Explorations of Global Cultures I: Global Narratives

Course Description:

Critical analysis and interpretation of texts understood broadly across diverse global contexts. Delves into the complexities of artistic expression, interpretation, and their cultural significance. Focus on close reading, visual analysis, and interpretation while examining the role of art, literature, and creative expression in shaping individual and collective identities. Taught in English.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Repeat Limit: 1

WLC 342 - Explorations of Global Cultures II: Language and Human Interaction

Course Description:

Examination of the complexities of language and related behavior such as learning and social interactions of individuals, groups and/or cultures in global cultural contexts. Students systematically collect and analyze data to understand and resolve issues in global and intercultural communication. Taught in English.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Understanding Human Institutions and Behaviors"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 9 Repeat Limit: 2

WLC 354 - The Middle East Through Music, Film, and Literature

Course Description:

Explore the cultures of the Middle East through music, cinema, and literature.

Credit Hours: 3 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

WLC 480 - Special Topics in World Cinema

Course Description:

Advanced study of a selected topic in world cinema. May be repeated under a different subtitle.

Credit Hours: 3 Prerequisite Courses:

FST 200 and FST 205

Additional Restrictions/Requirements:

Prerequisite courses or consent of instructor.

Crosslisting:

FRH 485 , SPN 485

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

Field Experiences

Several departments within the College of Humanities, Social Sciences, and the Arts and the professional schools offer field experience courses as part of their semester or summer programs. Participating students conduct individual or group research under faculty guidance at selected areas within and outside the continental United States. Apart from the greater Wilmington area, field experience courses have been conducted in such places as the Florida Keys, Barbados, the Bahamas, Portugal, and parts of Central and South America.

Graduate Course Credit

https://uncw.edu/myuncw/academics/graduate-school/forms

Graduate Courses Taken for Undergraduate Credit

Graduate courses at UNCW or other accredited institutions may be used to fulfill undergraduate requirements if approved by the course instructor, student's department chair, undergraduate dean, and the dean of the Graduate School. All other transfer credit policies apply. Permission forms may be obtained on the Graduate School forms page under the "Undergraduate Registration for Graduate Courses" section at https://uncw.edu/myuncw/academics/graduate-school/forms.

Graduate Course Taken as an Undergraduate to Later Apply to a Graduate Degree

Undergraduate students who wish to take graduate courses and later receive graduate credit for them must fill out a Docusign to obtain permission in advance from the course instructor, student's department chair and undergraduate dean, and the Graduate School for approval. Graduate courses taken under this provision may not be used to fulfill undergraduate degree requirements. Permission forms may be obtained on the Graduate School form page under the "Undergraduate Registration for Graduate Courses" section https://uncw.edu/myuncw/academics/graduate-school/forms.

Credit for Approved Combined Degree Programs

Graduate courses used to fulfill an undergraduate degree requirement at UNCW may be applied to a graduate degree only when taken as part of an approved combined degree program. Courses applied toward an awarded degree may not be applied to a second degree except as described by specific degree programs.

Honors College

HonorsCollegeMedallions

Dr. Eva M. Mehl, Director; Dr. Aaron S. King, Associate Director

Our Mission:

We offer an immediate **community** and a powerful, **transformative** experience that **enriches** the education and journey of each student by providing a **larger context** for their academic program through the completion of **high-impact practices:**

- **Innovative and Interdisciplinary Curriculum and Experiential Learning--**Honors College *classes are small* – usually fewer than 20 students. We encourage curiosity and critical thinking with interdisciplinary seminars and hands-on learning experiences. Honors courses are not more difficult – they allow for *deeper learning* through conversations with highly-dedicated, accomplished, and creative faculty, often outside of the traditional classroom walls.

- **Robust and Wide-Ranging Programming--**We offer a *residential experience* and provide comprehensive co-curricular programming from the first semester through graduation that includes *leadership and service* opportunities on campus and in the community, in addition to domestic and *global learning experiences.*

- **Access to Undergraduate Research--**The Honors College fosters a vibrant community of engaged scholars by helping students develop their own trajectory and actively participate in research and creative expression through *one-on-one mentoring* opportunities with our faculty experts. These unique experiences put our students on the leading edge of their disciplines while helping them develop *independent work skills.*

- **Vibrant and Inclusive Community--**From their first day on campus, students are immersed in a community to help them discover and pursue their academic passions and *build strong relationships* with other Honors students, academic advisors, and faculty mentors. Honors is an *inclusive* community that provides an extra layer of support and opportunities to enhance their broader UNCW experience. We do not recruit "Honors" students – we welcome academically talented, highly motivated, creative, and intellectually curious students, and we support them to become career-ready individuals with skills to succeed in any professional and academic context.

Our Vision:

The Honors College strives to be a robust, rich, and stimulating program that benefits from the unique perspectives and *diverse cultures* of its students, faculty, and staff. An Honors education develops students into *well-rounded* and interdisciplinary thinkers, problem-solvers, and life-long learners who contribute to their communities and are equipped with intellectual, cultural, and ethical tools to meet regional and global demands.

Learn More:

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Check with the Honors Director for specific requirements and the application process at each level. Multiple points of entry into the Honors College are possible:

- As entering freshman (based on holistic application process, including (but not limited to) high academic achievement/involvement in high school)
- As second semester freshman or as sophomores (based on high academic achievement/involvement in freshman year, including transfer students)
- As juniors/seniors in Departmental Honors (including transfer students)
- As a transfer student (either in their first or second semester at UNCW)

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To graduate with University Honors, a student must:

1. Complete at least 9 credit hours of university studies courses as honors sections*
2. Complete 6 credits of "Interdisciplinary Honors Seminars" ([[permalink=1012|tooltip:{'title':1}]]%prefix% %code%[[/permalink]] and one of the following: [[permalink=1011|tooltip:{'title':1}]]%prefix% %code%[[/permalink]] or [[permalink=1669|tooltip:{'title':1}]]%prefix% %code%[[/permalink]] or [[permalink=1670|tooltip:{'title':1}]]%prefix% %code%[[/permalink]])*
3. Complete one credit of "Honors Enrichment Seminar" ([[permalink=1010|tooltip:{'title':1}]]%prefix% %code%[[/permalink]] or [[permalink=1668|tooltip:{'title':1}]]%prefix% %code%[[/permalink]]) or one credit of [[permalink=1746|tooltip:{'title':1}]]%prefix% %code%[[/permalink]]*
4. Complete [[permalink=3194|tooltip:{'title':1}]]%prefix% %code%[[/permalink]]
5. Complete three additional honors credits (additional honors seminars or university studies courses as honors sections, or honors contract course, or semester study abroad)
6. Maintain academic eligibility: at the completion of 27 credit-hours at UNCW, an overall grade point average of 3.30 or better in all coursework is required. An overall grade point average of 3.50 or better must be established by the completion of 58 credit hours and maintained thereafter.
7. Earn a minimum of a "C" (2.00) in all honors work ("B" (3.00) in 499 and honors contract courses) and have a 3.00 overall GPA in all honors curriculum coursework. If a student earns a grade below a "C" in an honors university studies course, the grade may count toward that student's university studies requirements but not toward his or her honors requirements. If that student wishes to complete the honors requirements for University Honors, he or she must take an additional honors university studies course and earn no lower than a "C." Students earning below a "C" in [[permalink=1011|tooltip:{'title':1}]]%prefix% %code%[[/permalink]] (or [[permalink=1669|tooltip:{'title':1}]]%prefix% %code%[[/permalink]] or [[permalink=1670|tooltip:{'title':1}]]%prefix% %code%[[/permalink]])

or [[permalink=1010|tooltip:{'title':1}]]%prefix% %code%[[/permalink]] (or [[permalink=1668|tooltip:{'title':1}]]%prefix% %code%[[/permalink]]) must take additional seminars, respectively, and earn no lower than a "C."

8. Complete requirements for Departmental Honors (see below)

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To graduate with Honors, a transfer student must:

1. Complete requirements for Departmental Honors (see below): an Honors research project (6 hours) in the student's major (XXX 499)
2. Complete 1-credit research course, either [[permalink=3194|tooltip:{'title':1}]]%prefix% %code%[[/permalink]] or [[permalink=1746|tooltip:{'title':1}]]%prefix% %code%[[/permalink]]
3. Complete one of the following options for 5-6 additional credits:

1. Students may take two (2) 3-credit courses: [[permalink=1011|tooltip:{'title':1}]]%prefix% %code%[[/permalink]], [[permalink=1669|tooltip:{'title':1}]]%prefix% %code%[[/permalink]], or [[permalink=1670|tooltip:{'title':1}]]%prefix% %code%[[/permalink]]
2. Students may take one (1) 3-credit class ([[permalink=1011|tooltip:{'title':1}]]%prefix% %code%[[/permalink]], [[permalink=1669|tooltip:{'title':1}]]%prefix% %code%[[/permalink]], or [[permalink=1670|tooltip:{'title':1}]]%prefix% %code%[[/permalink]]) AND two (2) 1-credit classes ([[permalink=1010|tooltip:{'title':1}]]%prefix% %code%[[/permalink]], [[permalink=1668|tooltip:{'title':1}]]%prefix% %code%[[/permalink]], or [[permalink=3194|tooltip:{'title':1}]]%prefix% %code%[[/permalink]])
3. Students may complete 3 credits of high-impact practice approved by the Honors College AND one of the following options (other credit substitutions in this option may be granted by the Honors College):

1. One (1) 3-credit class ([[permalink=1011|tooltip:{'title':1}]]%prefix% %code%[[/permalink]], [[permalink=1669|tooltip:{'title':1}]]%prefix% %code%[[/permalink]], or [[permalink=1670|tooltip:{'title':1}]]%prefix% %code%[[/permalink]])
2. Two (2) 1-credit class ([[permalink=1010|tooltip:{'title':1}]]%prefix% %code%[[/permalink]], [[permalink=1668|tooltip:{'title':1}]]%prefix% %code%[[/permalink]], or [[permalink=3194|tooltip:{'title':1}]]%prefix% %code%[[/permalink]])
4. Earn a minimum of a "C" (2.00) in all honors courses counted towards graduation with Bridge Honors, earn a minimum of a "B" in XXX 499, and have a 3.00 overall GPA in all honors curriculum coursework. Students earning below a "C" in [[permalink=1011|tooltip:{'title':1}]]%prefix% %code%[[/permalink]], [[permalink=1669|tooltip:{'title':1}]]%prefix% %code%[[/permalink]], [[permalink=1670|tooltip:{'title':1}]]%prefix% %code%[[/permalink]], [[permalink=1010|tooltip:{'title':1}]]%prefix% %code%[[/permalink]], [[permalink=1668|tooltip:{'title':1}]]%prefix% %code%[[/permalink]], [[permalink=1746|tooltip:{'title':1}]]%prefix% %code%[[/permalink]], or [[permalink=3194|tooltip:{'title':1}]]%prefix% %code%[[/permalink]] must take additional seminars, respectively, and earn no lower than a "C".

• [[permalink=1010|tooltip:{'title':1}]]HON 120 - Honors Enrichment Seminar[[/permalink]]

- [[permalink=1668|tooltip:{'title':1}]]HON 121 - Honors Enrichment Seminar: Explorations Beyond the Classroom[[/permalink]]
- [[permalink=1746|tooltip:{'title':1}]]HON 191 - Introduction to Research and Discovery[[/permalink]]
- [[permalink=1011|tooltip:{'title':1}]]HON 210 - Topical Interdisciplinary Honors Seminar[[/permalink]]
- [[permalink=1669|tooltip:{'title':1}]]HON 211 - Honors Topical Interdisciplinary Seminar: Living in our Diverse Nation[[/permalink]]
- [[permalink=1670|tooltip:{'title':1}]]HON 212 - Honors Topical Interdisciplinary Seminar: Living in a Global Society[[/permalink]]
- [[permalink=3194|tooltip:{'title':1}]]HON 399 - A Preparation for the Honors Thesis[[/permalink]]
-

These courses are restricted to students formally enrolled in the Honors College or others admitted by permission of the Honors director after consultation with the course instructor.

Honors sections of university studies courses: Each semester several honors sections of university studies courses will be offered on a rotating basis. These sections are usually restricted to 20 students to allow for enhanced student-faculty interaction and discussion.

Honors Seminars: Three kinds of honors seminars are offered each year. [[permalink=1012|tooltip:{'title':1}]]%prefix% %code%[[/permalink]] is a three-hour interdisciplinary course designed to introduce all freshman honors students to the college experience by direct involvement in research, service, and leadership activities. This course may not be repeated for additional credit. [[permalink=1010|tooltip:{'title':1}]]%prefix% %code%[[/permalink]] and [[permalink=1668|tooltip:{'title':1}]]%prefix% %code%[[/permalink]] are one-hour enrichment seminars that encourage students to explore topics of interest that are often outside their major. The courses can include opportunities for additional campus/community engagement while also learning about new topics and ideas to enhance the academic programs of our students. [[permalink=1011|tooltip:{'title':1}]]%prefix% %code%[[/permalink]], [[permalink=1669|tooltip:{'title':1}]]%prefix% %code%[[/permalink]], and [[permalink=1670|tooltip:{'title':1}]]%prefix% %code%[[/permalink]] are three-hour interdisciplinary seminars that offer in-depth investigations of a special topic using the approaches of several disciplines. These courses may be repeated under different subtitles. For a listing of these seminars, see the [[permalink=1009|new:{'title':1,'description':1}]][[/permalink]] section of this

catalogue.

- Upperclassmen who qualify as candidates for Departmental Honors must perform outstanding scholarly work appropriate to the academic standards of the student's major in the form of a six-credit Departmental Honors project. A student who fulfills requirements for Departmental Honors will be acknowledged as having done so upon graduation.
  A student who previously has not participated in the honors program may qualify as a candidate for Departmental Honors based on the student's grade-point average. Students with at least 74 semester hours credit who have a grade point average of 3.20 or better on all college work attempted, who have completed at least 30 semester hours of work with a 3.20 or better grade point average at UNCW, and who are recommended by the major department chair (or dean where appropriate) are eligible to enroll in coursework with a 499 designation which indicates the senior project in that discipline. Academic departments may require a higher grade point average for eligibility for Departmental Honors in their discipline.
  Departments in each discipline determine appropriate preparatory academic experiences for Departmental Honors in that field. Some examples of ways to prepare for a Departmental Honors Project might include one or more of the following:
  1. Directed Individual Study (DIS) courses which lay the groundwork for more advanced projects;
  2. Departmental or interdisciplinary seminars and/or internships which encourage independent work in a variety of ways such as performance, research, service;
  3. Study Abroad; or
  4. Honors components of regular department courses: "Honors Contract" courses at the 300 or 400 level in which an honors student and his or her instructor enter into a contract, which stipulates enhanced academic responsibilities for the student, such as presentations or papers.
- The Honors Global Citizen Recognition is an option for students completing University or Departmental Honors that encourages students to make global discoveries on campus and abroad. To qualify for this distinction, students must:
  - Maintain the required honors GPA on all college work attempted in the United States or abroad.
  - Develop and complete an honors project (499) that shows active engagement with global issues, such as an increased awareness of international issues, understanding of global interdependence, or demonstration of global citizenship. Proposals must be reviewed by the Office of International Programs and Honors College, and application is done through the Departmental Honors application process described on the Honors website.

- Earn at least 6 student credit hours in a UNCW-approved education abroad program.
- Complete at least the 202 level, or equivalent, of a foreign language with a C or better grade.
- Complete at least one HON seminar with global content. These classes may be selected from an approved list maintained on the Honors website.
- Complete nine additional hours of 3-credit hour courses with global content with a C or better in each. These classes may be selected from courses approved for the International Studies major or minor, or from the university studies courses approved for global content. At least two disciplinary areas must be represented.
-

Students will be offered opportunities and incentives to participate in co-curricular activities such as field trips, campus events, study abroad, and community events.

-

Sandpiper Hall is a living-learning environment for freshmen students enrolled in UNCW's Honors College. Sandpiper Hall features a dynamic student population with members committed to student leadership, scholarship, and service. In order to participate in the Honors College and reside in Sandpiper Hall, residents must meet the following qualifications: (1) be enrolled in the Honors College at UNCW; (2) be a full-time student each semester; (3) be in good standing with the university's student judicial program; and (4) be an active member of the community. Honors housing in Terrapin Hall is an option for sophomores.

Admission to Honors College

Check with the Honors Director for specific requirements and the application process at each level. Multiple points of entry into the Honors College are possible:

- As entering freshman (based on holistic application process, including (but not limited to) high academic achievement/involvement in high school)
- As second semester freshman or as sophomores (based on high academic achievement/involvement in freshman year, including transfer students)
- As juniors/seniors in Departmental Honors (including transfer students)
- As a transfer student (either in their first or second semester at UNCW)

Honors Courses

These courses are restricted to students formally enrolled in the Honors College or

others admitted by permission of the Honors director after consultation with the course instructor.

Honors sections of university studies courses: Each semester several honors sections of university studies courses will be offered on a rotating basis. These sections are usually restricted to 20 students to allow for enhanced student-faculty interaction and discussion.

Honors Seminars: Three kinds of honors seminars are offered each year. HON 110 is a three-hour interdisciplinary course designed to introduce all freshman honors students to the college experience by direct involvement in research, service, and leadership activities. This course may not be repeated for additional credit. HON 120 and HON 121 are one-hour enrichment seminars that encourage students to explore topics of interest that are often outside their major. The courses can include opportunities for additional campus/community engagement while also learning about new topics and ideas to enhance the academic programs of our students. HON 210 , HON 211 , and HON 212 are three-hour interdisciplinary seminars that offer in-depth investigations of a special topic using the approaches of several disciplines. These courses may be repeated under different subtitles. For a listing of these seminars, see the Course Descriptions section of this catalogue.

Honors Global Citizen Recognition

The Honors Global Citizen Recognition is an option for students completing University or Departmental Honors that encourages students to make global discoveries on campus and abroad. To qualify for this distinction, students must:

- Maintain the required honors GPA on all college work attempted in the United States or abroad.
- Develop and complete an honors project (499) that shows active engagement with global issues, such as an increased awareness of international issues, understanding of global interdependence, or demonstration of global citizenship. Proposals must be reviewed by the Office of International Programs and Honors College, and application is done through the Departmental Honors application process described on the Honors website.
- Earn at least 6 student credit hours in a UNCW-approved education abroad program.
- Complete at least the 202 level, or equivalent, of a foreign language with a C or better grade.
- Complete at least one HON seminar with global content. These classes may be selected from an approved list maintained on the Honors website.
- Complete nine additional hours of 3-credit hour courses with global content with a C or better in each. These classes may be selected from courses approved for the International Studies major or minor, or from the university studies courses approved for global content. At least two

disciplinary areas must be represented.

Program Requirements for Graduation with University Honors

To graduate with University Honors, a student must:

1. Complete at least 9 credit hours of university studies courses as honors sections*
2. Complete 6 credits of "Interdisciplinary Honors Seminars" (HON 110 and one of the following: HON 210 or HON 211 or HON 212)*
3. Complete one credit of "Honors Enrichment Seminar" (HON 120 or HON 121) or one credit of HON 191 *
4. Complete HON 399
5. Complete three additional honors credits (additional honors seminars or university studies courses as honors sections, or honors contract course, or semester study abroad)
6. Maintain academic eligibility: at the completion of 27 credit-hours at UNCW, an overall grade point average of 3.30 or better in all coursework is required. An overall grade point average of 3.50 or better must be established by the completion of 58 credit hours and maintained thereafter.
7. Earn a minimum of a "C" (2.00) in all honors work ("B" (3.00) in 499 and honors contract courses) and have a 3.00 overall GPA in all honors curriculum coursework. If a student earns a grade below a "C" in an honors university studies course, the grade may count toward that student's university studies requirements but not toward his or her honors requirements. If that student wishes to complete the honors requirements for University Honors, he or she must take an additional honors university studies course and earn no lower than a "C." Students earning below a "C" in HON 210 (or HON 211 or HON 212) or HON 120 (or HON 121) must take additional seminars, respectively, and earn no lower than a "C."
8. Complete requirements for Departmental Honors (see below)

*Note: transfer students and students entering after the fall of the freshman year must complete HON 210 (or HON 211 or HON 212); one credit hour of HON 120 , HON 121 , or HON 191 ; at least six hours of honors university studies courses; HON 399 ; and three additional honors credits (additional honors seminars or university studies courses as honors sections, or honors contract course, or semester study abroad).

Program Requirements for Graduation with Bridge Honors (transfer students only)

To graduate with Honors, a transfer student must:

1. Complete requirements for Departmental Honors (see below): an Honors research project (6 hours) in the student's major (XXX 499)
2. Complete 1-credit research course, either HON 399 or HON 191
3. Complete one of the following options for 5-6 additional credits:
1. Students may take two (2) 3-credit courses: HON 210 , HON 211 , or HON 212
2. Students may take one (1) 3-credit class (HON 210 , HON 211 , or HON 212) AND two (2) 1-credit classes (HON 120 , HON 121 , or HON 399)
3. Students may complete 3 credits of high-impact practice approved by the Honors College AND one of the following options (other credit substitutions in this option may be granted by the Honors College):
1. One (1) 3-credit class (HON 210 , HON 211 , or HON 212)
2. Two (2) 1-credit class (HON 120 , HON 121 , or HON 399)
4. Earn a minimum of a "C" (2.00) in all honors courses counted towards graduation with Bridge Honors, earn a minimum of a "B" in XXX 499, and have a 3.00 overall GPA in all honors curriculum coursework. Students earning below a "C" in HON 210 , HON 211 , HON 212 , HON 120 , HON 121 , HON 191 , or HON 399 must take additional seminars, respectively, and earn no lower than a "C".

• HON 120 - Honors Enrichment Seminar
• HON 121 - Honors Enrichment Seminar: Explorations Beyond the Classroom
• HON 191 - Introduction to Research and Discovery
• HON 210 - Topical Interdisciplinary Honors Seminar
• HON 211 - Honors Topical Interdisciplinary Seminar: Living in our Diverse Nation
• HON 212 - Honors Topical Interdisciplinary Seminar: Living in a Global Society
• HON 399 - A Preparation for the Honors Thesis

Sandpiper Hall

Sandpiper Hall is a living-learning environment for freshmen students enrolled in UNCW's Honors College. Sandpiper Hall features a dynamic student population with members committed to student leadership, scholarship, and service. In order to participate in the Honors College and reside in Sandpiper Hall, residents must meet the following qualifications: (1) be enrolled in the Honors College at UNCW; (2) be a full-time student each semester; (3) be in good standing with the university's student judicial program; and (4) be an active member of the community. Honors housing in

Terrapin Hall is an option for sophomores.

The North Carolina Child Welfare Education Collaborative

The North Carolina Child Welfare Education Collaborative is a university-agency partnership that ensures a quality work force in child welfare settings. The educational goal of this program is to directly address the workforce need for social workers in child welfare settings. Administered by the Jordan Institute for Families, the collaborative includes North Carolina social work education programs, the NC Division of Social Services, the NC Association of County Directors of Social Services and the NC Chapter of the National Association of Social Workers. Educating, training, and supporting current and future social workers in child welfare meets the goal of strengthening families and protecting children. The collaborative offers focused educational courses, training and field experience in child welfare agencies. Participating universities include Appalachian State University, University of North Carolina at Chapel Hill, East Carolina University, North Carolina State University, Joint Masters of Social Work Program at University of North Carolina at Greensboro and North Carolina Agricultural and Technical State University, and University of North Carolina Wilmington.

Honors College

Honors Scholars College

Honors College

(http://www.uncw.edu/honors)
UNCW's Honors College provides opportunities for undergraduates to engage in independent and creative scholarly activity. The Honors College directs the four-year honors curriculum and departmental honors, offers opportunities to develop a global perspective, supports undergraduate research for all UNCW graduates, and mentors UNCW students through the application process for national scholarships and fellowships.

The mission of the Honors College at the University of North Carolina Wilmington is to attract and retain academically talented students. The Honors College offers a powerful learning experience by encouraging curiosity, critical thinking, and independent work skills, and by developing a community of honors scholars on campus. The program is committed to offering opportunities to students as they pursue their academic passions in college. The vision of the program is to encourage and support life-long learning, including a global perspective.

HON 110 - First-Year Honors Interdisciplinary Seminar

Course Description:
Introduces the honors student to the college experience by direct involvement in research, service and leadership activities. The nature of knowledge; the concept of a university; how a university education changes individuals and affects the future. Includes field experiences, collaborative learning and independent scholarship. Emphasis on discussion; required student projects.
Credit Hours: 3 Additional Restrictions/Requirements:
Formal enrollment in the Honors Scholars College or consent of the director.
University Studies: ["Foundations/First Year Seminar", "Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

HON 120 - Honors Enrichment Seminar

Course Description:
Students study a specialty topic and participate in a variety of related enrichment activities on the campus and in the community. By direct contact, students have the opportunity to broaden their educational experience in both traditional and contemporary forums. Discussion and brief written assignments. May be repeated under different subtitles.
Credit Hours: 1 Additional Restrictions/Requirements:
Formal enrollment in the Honors Scholars College or consent of the director.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

HON 121 - Honors Enrichment Seminar: Explorations Beyond the Classroom

Course Description:

Students study a specialty topic and participate in a variety of related enrichment activities outside the classroom. By direct contact, students have the opportunity to broaden their educational experience in forums that emphasize applied learning. May include travel or field site experience as a component. Discussion and brief written assignments, including intentional reflection. May be repeated under different subtitles.
Credit Hours: 1 Additional Restrictions/Requirements:
Formal enrollment in the Honors Scholars College or consent of the director.
University Studies: ["Explorations Beyond the Classroom/Certified Internship Program"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

HON 191 - Introduction to Research and Discovery

Course Description:
Overview of research procedures in discipline areas, including literature searches and data collection, the scientific process and the nature of discovery. Guidance in developing a personal plan for immersion in research and scholarship as an undergraduate. Emphasis is on applied learning and developing basic skills appropriate to the discipline. Offered in different discipline areas such as Sciences, Education, Humanities, Health Professions, Business, Social Sciences, Fine Arts.
Credit Hours: 1 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 2 Repeat Limit: 1

HON 210 - Topical Interdisciplinary Honors Seminar

Course Description:
An in-depth investigation of a special topic using the approaches of several disciplines; may be team-taught. Topics and approaches vary. Examples are "Brain and Behavior"; "The Geography of Food"; "Nature: Literature and Science"; "Issues in Coastal Management." May be repeated under different subtitles.
Credit Hours: 3 Additional Restrictions/Requirements:
Formal enrollment in the Honors Scholars College or consent of the director.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

HON 211 - Honors Topical Interdisciplinary Seminar: Living in our Diverse Nation

Course Description:

An in-depth investigation of a special topic related to the theme 'Living in Our Diverse Nation' using the approaches of several disciplines; may be team-taught. Topics and approaches vary. Examples are 'The Geography of Race Relations' and 'Immigration in the US'. May be repeated under different subtitles.
Credit Hours: 3 Additional Restrictions/Requirements:
Formal enrollment in the Honors Scholars College or consent of the director.
University Studies: ["Approaches and Perspectives/Living in Our Diverse Nation"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

HON 212 - Honors Topical Interdisciplinary Seminar: Living in a Global Society

Course Description:
An in-depth investigation of a special topic related to the theme 'Living in a Global Society' using the approaches of several disciplines; may be team-taught. Topics and approaches vary. Examples are 'Brazilian Culture' and 'Germs of the World.' May be repeated under different subtitles.
Credit Hours: 3 Additional Restrictions/Requirements:
Formal enrollment in the Honors Scholars College or consent of director.
University Studies: ["Approaches and Perspectives/Living in a Global Society"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

HON 213 - Topical Interdisciplinary Honors Seminar: A Community Partnership

Course Description:
This interdisciplinary course will be taught in conjunction with or completely by a community partner. It provides a course experience based on unique partnerships between the Honors College and a community organization. This could involve credentialed/qualified partners teaching the course, providing the physical space for the course meetings (example: Cameron Museum of Art), and offering other unique learning opportunities as part of these organizations' missions. These unique partnerships go beyond a relationship with a single faculty member for the following reasons: 1) organizational resources are being offered, 2) sustained/long-term relationship, 3) organizational expertise through employees, and 4) the organization desiring to enter this relationship as part of their larger mission.
Credit Hours: 3 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12 Repeat Limit: 3

HON 294 - Honors Study Abroad

Course Description:

Sophomore-level designation for non-catalog courses offered by a department abroad. Department attaches its prefix to the number and lists the course(s) in the coming semester's schedule of classes.

Credit Hours: 1 To 6 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

HON 399 - A Preparation for the Honors Thesis

Course Description:

This course is designed as a workshop to help students prepare for the thesis experience in their senior year and develop a full-fledged proposal of their research project. Honors students in their junior year often ask themselves how to start a thesis, how to find a good topic of inquiry that suits them and their career goals, how to define a research question, how to find an advisor, and what resources exist on campus to help them execute their project. The goal of this course is to "demystify" the thesis process, reassure students of its manageable scope, and help them understand the value of undergraduate research. The honors thesis places students in the role of a scholar leading an initiative. It offers them the opportunity to tap into their own curiosity, do original research on a topic of their choosing, formulate a question, design a plan to address that question, communicate what they learned to other scholars and peers, and write an outstanding thesis that best displays their skills in investigation, critical thinking, and communication.

Credit Hours: 1 Additional Restrictions/Requirements:

Junior standing or consent of instructor.

Course Repeatability: Course may not be repeated.

HON 499 - Interdisciplinary Honors Work

Course Description:

Independent work for honors students that emphasizes interdisciplinary study.

Credit Hours: 2 To 3 Additional Restrictions/Requirements:

Junior or senior standing and eligibility for honors program.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

Cameron School of Business

https://csb.uncw.edu

Robert T. Burrus, *dean*

Nivine F. Richie, *associate dean, graduate and international programs*

David J. Glew, *associate dean, undergraduate programs*

The Cameron School of Business is a comprehensive business school offering bachelor's degrees in business administration and economics, and interdisciplinary bachelor's degrees in cybersecurity and information systems with the College of Science and Engineering. The Cameron School also offers a Master of Business Administration (MBA), and Master of Science degrees in accountancy, business analytics, finance and investments and supply chain management, and an interdisciplinary Master of Science degree in computer science and information systems with the College of Science and Engineering. The school is committed to the highest quality business education for its students. Its primary goal is to enable students to discover how to learn and, in the process, to instill both the desire and capacity for lifelong learning and development. Its first priority is excellence in teaching.

The school works continuously to maintain a vibrant curriculum, which focuses on application of concepts as well as theoretical development. It maintains a scope which includes regional, national, and international perspectives within an evolving global business community. The school strives for balance in the teaching of knowledge about business management and management perspectives, and analytical and interpersonal skills, as it prepares students to make the transition to socially responsible citizenship. To that end, the school encourages intellectual curiosity; creative, rational, and ethical thinking; and thoughtful oral and written expression.

The school encourages the continuous improvement of teaching methods in order to maintain its competitive advantage and to enhance its several strengths: small classes, knowledgeable and experienced faculty, concerned and caring counseling by an approachable and accessible faculty and staff, and vigorous interactive involvement of faculty and staff as well as students in the learning process. The school encourages and supports applied and theoretical research to strengthen teaching and to contribute to the extension of knowledge in its disciplines. Through

research, publication, participation in programs of professional organizations, and other scholarly activity, faculty members remain current and sustain their intellectual vigor, both in and out of the classroom.
The school seeks to contribute to the economic development of the region by providing programs and services to the local and regional business community. Through strengthening ties with the business community, the school stimulates awareness of available programs and services and ensures that such programs and services remain responsive to the needs of the region.

Programs

Students seeking a business degree must be formally admitted to the Cameron School of Business. Students in all programs and concentration areas should consult their advisors and the Cameron School of Business website for admission procedures/guidelines specific to their program area and for a list of courses requiring Cameron School admission.
Students seeking a B.S. in Business Administration may choose from the following areas of concentration:

- Accountancy
- Business Analytics
- Cybersecurity
- Economics
- Entrepreneurship and Business Development
- Finance
- FinTech
- Human Resource Management
- Information Systems
- International Business
- Management and Leadership
- Marketing - Marketing Strategy
- Marketing - Professional Selling
- Real Estate
- Supply Chain Management
- General Business Option for Nontraditional Students

Students who have a high proficiency in a foreign language and are seeking career opportunities in international business also have an opportunity to participate in the Transatlantic Business School Alliance Dual Degree Program.

Interdisciplinary Cross-College Programs

In addition to the programs and departments listed below, the Cameron School of Business offers the following programs jointly with the College of Science and Engineering:

Bachelor of Science

- Cybersecurity, B.S.
- Information Technology, B.S.

Business Administration, B.S.

Economics Minor

Economics, B.A.

While the B.S. degree in business administration with a concentration in economics requires the completion of core classes in many business disciplines, the B.A. degree in economics is, in essence, a liberal arts program that focuses on economics. Because of the relatively small number of required hours in the B.A. major, students are provided the flexibility to pursue a second major, a minor, or classes that will prepare them for employment opportunities or graduate work. The B.A. is especially recommended for students who desire to pursue graduate work in economics, public policy, and law.

Small Business and Social Entrepreneurship Minor

The Minor in Small Business and Social Entrepreneurship prepares non-business students to engage in entrepreneurial activities related to their major. The minor is particularly suited to students who are interested in developing or supporting an entrepreneurial venture related to their major. The minor is flexible and versatile enough to benefit any type of entrepreneurial interest ranging from the arts to the sciences, engineering, and beyond. Students are required to take five core courses

for the minor and then they may ass two additional courses relevant to their major or area of interest.

Business Minor

Cybersecurity Minor

Program Coordinator: Ulku Clark
The minor in Cybersecurity is open to all UNCW students, except B.S. Cybersecurity majors and B.S. Business Administration majors. No more than 6 hours can be counted towards the minor and a student's major. To earn a minor in Cybersecurity, the completion of 18 hours is required, including 6 hours of core courses and 12 hours of electives, with a minimum 6 hours at the 300 level or higher. Students must earn a "C" or above average in all classes in the minor, and grade of at least "C-" in each course.

Business Administration, Business Analytics Concentration and Business Analytics, Bachelor's/Master's Combined Program

Business Administration, Finance Concentration, and Finance & Investment Management, Bachelor's/Master's Combined Program

Business Administration, Economics Concentration, and Finance & Investment Management, Bachelor's/Master's Combined Program

Business Administration, Information Systems Concentration, and Computer Science and Information Systems, Bachelor's/Master's Combined Program

Accountancy and Business Law Minor

The accountancy and business law minor will provide non-CSB majors a foundation of financial and legal knowledge that can be applied in a business in their chosen field of study. A strong understanding of financial and legal aspects of businesses will position students for growth and managment positions in their profession. The minor is open to all students outside the Cameron School of Business. Business majors, with the exception of students pursuing a Bachelor's of Arts degree in Economics, are not eligible for the minor.

The minor core curriculum will provide students a strong foundation for maintaining financial records, utilizing financial information for managerial decision making, and understanding the legal environment of business. The minor elective course will provide students with an understanding of either the income tax implications of personal and business decisions or the commercial legal environment covering topics such as contracts, sales and warranties, and debtor and creditor rights.

Supply Chain Management, Bachelor's/Master's Combined Program

Program Coordinator: Dr. Drew Rosen
This combined bachelor's/master's degree program is designed to provide qualified students the opportunity to complete both degree programs in under 5 years. A student will earn a Bachelor of Science (BS) in Business Administration with a concentration in Supply Chain Management and a Master of Science (MS) in Supply Chain Management
BS of Business Administration Economics students must apply for admission to the 4+1 BSBA Supply Chain Management/MS Supply Chain Management. Six (6) hours

of courses taken at the 500-level will apply towards both degrees. Upon completion of the BS degree, students have the option to apply to the graduate school and continue progress towards the MS SCM degree.

Accounting Bachelor's/Master's Combined Program

Requirements: Completion of all degree requirements for both the B.S.B.A. in Accounting and the M.S. Accountancy with three credits of graduate-level courses (MSA 560 or MSA 522) that will count towards the B.S.B.A. Accounting concentration core and three credits of graduate-level courses (MSA 522 or MSA 560) that will count as free elective hours towards the B.S.B.A. degree.
Program Coordinator: Dr. William Kerler

Department of Accountancy and Business Law

https://csb.uncw.edu/acg/index.html
The Department of Accountancy and Business Law provides courses and other academic support for the B.S. degree with a concentration in accountancy.
The B.S. degree with a concentration in accountancy provides the student with the analytical foundation for the discipline of accountancy. Included are the special tools and techniques of planning and control using financial and managerial accounting, income taxes, cost analysis, and information systems.
Students establish qualifications for careers in public accounting and in industrial, governmental, and other positions requiring managerial and analytical skills. The accountancy concentration provides an excellent background for graduate and other professional education.
The elements of planning, administration, and control covered in the accounting courses are essential to all areas of business. Many of the courses offered benefit students majoring in other fields by furnishing a comprehensive background of business procedures and financial relationships. Likewise, students in accountancy find it advantageous to concentrate their elective courses in quantitative and computer information areas as well as communication and interpersonal areas.
A graduate of the Cameron School of Business who has completed the concentration in accountancy is qualified by the Institute of Management Accounting

to write the CMA examination. A student graduating with an undergraduate degree with a concentration in accountancy is permitted by the North Carolina State Board of CPA Examiners to sit for the Uniform CPA Examination, provided the student's coursework either includes or is supplemented by at least 30 hours of accounting courses, of which no more than three hours can be in business law. Students should be aware that in most states, including North Carolina, 150 hours of coursework are required to be licensed as a CPA.

The courses in business law and legal environment cover how the legal environment influences and are influenced by changing social and ethical values. Courses include study of administrative law and the Uniform Commercial Code as well as the organization and role of business enterprises in society and their relationships in government and society.

ACG 201 - Financial Accounting

Course Description:

An introduction to the basic framework of accounting for students majoring in accountancy or other disciplines. Includes preparation of financial records and external financial reports. Emphasis on the underlying accounting concepts and constraints.

Lab:

The lab for this course is ACGL 201 .

Credit Hours: 3 Corequisite Courses:

ACGL 201

Prerequisite Courses:

MAT 111 or MAT 150 or MAT 160

Course Repeatability: Course may not be repeated.

ACG 203 - Managerial Accounting

Course Description:

An introduction to the concepts and techniques used by management to analyze and interpret accounting data in the organization.

Credit Hours: 3 Prerequisite Courses:

ACG 201 and ACGL 201

Course Repeatability: Course may not be repeated.

ACG 301 - External Financial Reporting I

Course Description:

Analysis of traditional financial accounting topics and theory. Examines recent developments in accounting measurement and promulgations of the leading professional accounting organizations. ACG 301 emphasizes the development of accounting standards and theory, financial statements, and current assets.

Credit Hours: 3 Prerequisite Courses:

ACG 201 with a minimum grade of 'C' and ACG 203 with a minimum grade of 'C'.

Course Repeatability: Course may not be repeated.

ACG 302 - External Financial Report II

Course Description:

Analysis of traditional financial accounting topics and theory. Examines recent developments in accounting measurement and promulgations of the leading professional accounting organizations. Emphasizes plant assets, long term investments, liabilities, and stockholders' equity.

Credit Hours: 3 Prerequisite Courses:

ACG 301 with a minimum grade of C

Additional Restrictions/Requirements:

Prerequisite course and admission to Cameron School of Business.

Course Repeatability: Course may not be repeated.

ACG 305 - Advanced Managerial Accounting

Course Description:

Identifying, capturing, developing, and reporting financial and other information to support strategic planning and decision making, short run management decisions, and management control of enterprise programs and activities. Specific topics include: strategic cost analysis, activity-based management, profit planning and budgeting, short run decision structures, and management systems for strategic and operational control.

Credit Hours: 3 Prerequisite Courses:

ACG 201 and ACG 203 .

Additional Restrictions/Requirements:

Prerequisite courses and admission to Cameron School of Business. Grades of C or

better in prerequisite courses.
Course Repeatability: Course may not be repeated. Major Restriction: Business Administration

ACG 306 - Accounting Information Systems

Course Description:
An introduction to the aggregation of data in an accounting information system with an emphasis on documentation, internal controls, and transaction cycles. Laboratory projects include advanced spreadsheet functions, an accounting software package and a database package.
Credit Hours: 3 Prerequisite Courses:
ACG 201 with a minimum grade of 'C' and ACG 203 with a minimum grade of 'C'. Prerequisite or corequisite: ACG 301 .
Course Repeatability: Course may not be repeated.

ACG 403 - Non-Profit Organization Accounting

Course Description:
Accounting for not-for-profit organizations including governments, colleges and universities, hospitals, charities, and other not-for-profit organizations. Emphasis is on objectives and preparation of financial statements, the use of managerial reports, and budgetary data.
Credit Hours: 3 Prerequisite Courses:
ACG 302
Additional Restrictions/Requirements:
Prerequisite course and admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.

ACG 404 - Federal Income Taxes

Course Description:
The study of federal income taxation of individuals with emphasis on business income and expense items and property transactions.
Credit Hours: 3 Prerequisite Courses:
ACG 301 with a grade of C or better.
Additional Restrictions/Requirements:
Prerequisite course and admission to Cameron School of Business, or prerequisite course for students in the Accountancy and Business Law minor, or consent of

department chair. Grade of C in ACG 301 .
Course Repeatability: Course may not be repeated.

ACG 406 - Auditing Concepts

Course Description:
Study of the objectives, standards, procedures and reporting requirements associated with a public accountant's role in auditing financial statements, auditing internal controls over financial reporting and performing assurance engagements. Students will learn how to make client acceptance decisions, plan and conduct audits and generate appropriate report(s) in light of competitive, legal and ethical constraints.
Credit Hours: 3 Prerequisite Courses:
ACG 301 with a minimum grade of C and ACG 306 with a minimum grade of C.
Additional Restrictions/Requirements:
Prerequisite courses and admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.

ACG 445 - Current Topics in Accounting

Course Description:
This course is a capstone course integrating concepts from the accounting curriculum, including current topics in the area of ethics and accounting fraud. The course emphasizes case studies, as well as oral and written communication projects.
Credit Hours: 3 Prerequisite Courses:
ACG 306 with a minimum grade of C
Additional Restrictions/Requirements:
Prerequisite course and admission to Cameron School of Business.
University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

ACG 450 - Introduction to Forensic Accounting and Fraud Examination

Course Description:
ACG 450 is an introduction to different types of occupational frauds, the psychology of the fraudster, different fraud detection and prevention techniques, and the role of

ethics in fraud deterrence. Students will also learn techniques and technologies for fraud detection and forensic analysis.
Credit Hours: 3 Prerequisite Courses:
ACG 306 with a grade of C or better.
Additional Restrictions/Requirements:
Admission to the Cameron School of Business.
University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated. Major Restriction: Business Administration

ACG 470 - Topics in Auditing

Course Description:
Accelerated coverage of the objectives, standards, procedures and reporting requirements associated with a public accountant's role in auditing financial statements and internal controls over financial reporting.
Credit Hours: 1 To 3 Additional Restrictions/Requirements:
Consent of the department chair and admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.

ACG 471 - Topics In Managerial Accounting

Course Description:
Contemporary topics related to managerial accounting.
Credit Hours: 1 To 3 Additional Restrictions/Requirements:
Consent of department chair and admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.

ACG 491 - Directed Individual Study

Course Description:
Please enter a description.
Credit Hours: 1 To 6 Additional Restrictions/Requirements:
Junior or senior standing, consent of department chair, and admission to Cameron School of Business.
University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

ACG 495 - Seminar In Accountancy

Course Description:

This course may be repeated under a different subtitle.

Credit Hours: 1 To 3 Additional Restrictions/Requirements:

Junior or senior standing, consent of the department chair, and admission to Cameron School of Business.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

ACG 498 - Internship In Accountancy

Course Description:

Involves the application of accounting knowledge in a "real world" setting. The participant receives hands-on experience under the guidance of a manager from a business or not-for-profit organization, or CPA firm.

Credit Hours: 1 To 6 Prerequisite Courses: ACG 301 and ACG 306 Additional Restrictions/Requirements:

Prerequisite courses, overall GPA of 3.0 or better, and admission to Cameron School of Business (Accountancy Option).

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

ACG 499 - Honors Work In Accountancy

Course Description:

Independent work for honors students.

Credit Hours: 2 To 3 Additional Restrictions/Requirements:

Senior standing and admission to Cameron School of Business.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

ACGL 201 - Financial Accounting Lab

Course Description:

This course is the lab for ACG 201 .

Credit Hours: 1 Corequisite Courses:

ACG 201

Course Repeatability: Course may not be repeated.

BLA 261 - Law and Society

Course Description:

This course introduces students to legal concepts and provides an understanding of the role the law plays in an individual's personal and professional life. Students will also be exposed to legal, social, and ethical issues which impact societal norms..

Credit Hours: 3 Course Repeatability: Course may not be repeated.

BLA 304 - Legal Issues in Film and Entertainment Law

Course Description:

A study of the legal issues impacting the film and entertainment industry including the legal aspects of business organization, contracts, torts, agency, employment law, environmental regulation, and intellectual property rights.

Credit Hours: 3 Additional Restrictions/Requirements:

Junior or senior standing.

Crosslisting:

FST 304

Course Repeatability: Course may not be repeated.

BLA 361 - Legal Environment of Business

Course Description:

Study of the organization and role of business enterprises in society and their relationships in government. Examines how the legal environment is influenced by changing social and ethical values. Topics include agency, antitrust, forms of business organization, environmental regulation, equal opportunity, labor law, product liability, and property rights.

Credit Hours: 3 Additional Restrictions/Requirements:

Junior or senior standing, or admission to the Cameron School of Business, or students in the Accountancy and Business Law minor, or consent of department chair.

Course Repeatability: Course may not be repeated.

BLA 362 - Environmental Law

Course Description:

An examination of the purposes, methodology, and impacts of the environmental regulatory process, ranging from the traditional common law remedies to novel approaches such as the pollution rights markets. Students will gain a fundamental understanding of the context of environmental law.

Credit Hours: 3 Additional Restrictions/Requirements:

Junior or senior standing.

Course Repeatability: Course may not be repeated.

BLA 363 - Cyber Law

Course Description:

A study of how the legal system impacts e-commerce. Examines how Trademark Law, Copyright Law and Patent Law impact e-commerce activities. Other topics include on-line contracting issues, taxation of e-commerce transactions on a statewide, national, and international basis, privacy concerns, obscenity, defamation, information security, computer criminal activities, as well as global e-commerce issues.

Credit Hours: 3 Prerequisite Courses:

BLA 361

Additional Restrictions/Requirements:

Prerequisite course and admission to Cameron School of Business.

Course Repeatability: Course may not be repeated.

BLA 371 - International Business Law

Course Description:

An examination of the legal, political, social and cultural aspects of doing business abroad. The course will cover major legal systems of the world, the political and governmental structures of various nations, international organizations, the law of international business transactions, and the settlement of transnational legal disputes. The course also will highlight cultural challenges and opportunities that an American may encounter in international business.

Credit Hours: 3 Additional Restrictions/Requirements:

Junior or senior standing or consent of Department Chair.

Course Repeatability: Course may not be repeated.

BLA 461 - Commercial Law

Course Description:

Study of the commercial legal environment in which business enterprises operate. Examines the law of contracts, sales and warranties, security interests, commercial paper, and debtor and creditor rights.

Credit Hours: 3 Additional Restrictions/Requirements:

Junior or senior standing, or admission to the Cameron School of Business, or students in the Accountancy and Business Law minor, or consent of department chair.

Course Repeatability: Course may not be repeated.

BLA 462 - Legal Issues in Health Care

Course Description:

Study of the legal and ethical issues faced by Health Care Professionals. Topics include licensure, tort liability, privacy and reporting requirements, employment law and ethical decision making.

Credit Hours: 3 Additional Restrictions/Requirements:

Junior or senior standing and admission to Cameron School of Business, or consent of department chair.

Course Repeatability: Course may not be repeated.

BLA 491 - Directed Individual Study

Course Description:

Please enter a description.

Credit Hours: 1 To 6 Additional Restrictions/Requirements:

Junior or senior standing, consent of the department chairperson and admission to Cameron School of Business.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

BLA 495 - Seminar in Business Law

Course Description:

This course may be repeated under a different subtitle.

Credit Hours: 1 To 3 Additional Restrictions/Requirements:

Junior or senior standing, consent of the department chairperson and admission to Cameron School of Business.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

BLA 498 - Internship in Business Law

Course Description:
The internship activity must involve an aspect of the legal system that is approved by the Department chair.
Credit Hours: 1 To 6 Prerequisite Courses: BLA 361 Additional Restrictions/Requirements:
Junior or senior standing, prerequisite course, 3.0 overall GPA, and consent of the department chairperson.
University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

BLA 499 - Honors Work in Business Law

Course Description:
Independent work for honors students.
Credit Hours: 2 To 3 Additional Restrictions/Requirements:
Senior standing and admission to Cameron School of Business.
University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

BUS 105 - Introduction to Business

Course Description:
A survey course designed to introduce students to the functional areas and disciplines of business. Guest lecturers will be drawn from the Cameron Executive Network, regional business community, and other sources. Topics to be included are ethics, management, marketing, finance, economics, accounting, information systems, human resources, international business, production and operations management, and entrepreneurship. Writing and building a resume and preparing for the job interview are also covered in this course.
Credit Hours: 1 Course Repeatability: Course may not be repeated.

BUS 191 - Introductory Research

Course Description: Business-related research under faculty supervision beyond what is offered in

existing courses. Credit Hours: 1 Additional Restrictions/Requirements: Student must be in the Honors College and have instructor approval. Course Repeatability: Course may not be repeated. Major Restriction: Freshman-Honors

BUS 206 - Career Essentials

Course Description:

Introduction to a career in business. Topics included mentoring, leadership, communication, preparation for entering a career, and the business environment.

Credit Hours: 2 Corequisite Courses:

ENG 206

Additional Restrictions/Requirements:

Sophomore standing or higher. Restricted to business or pre-business majors.

University Studies: ["Building Competencies/Writing Intensive", "Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated.

BUS 491 - Directed Individual Study

Course Description:

Please enter a description.

Credit Hours: 1 To 6 Additional Restrictions/Requirements:

Junior or senior standing, consent of the department chairperson, and admission to Cameron School of Business.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

BUS 498 - Internship in Business

Course Description:

The chairperson may consider grade point average and individual course grades as they pertain to the internship being considered.

Credit Hours: 1 To 6 Additional Restrictions/Requirements:

Junior or senior standing, consent of department chairperson, and admission to Cameron School of Business.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

BUS 499 - Honors Work in Business

Course Description:

Independent work for honors students.

Credit Hours: 2 To 3 Additional Restrictions/Requirements:

Senior standing and admission to Cameron School of Business.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

MSA 522 - Accounting Analytics and Business Database Systems

Course Description:

This class focuses on accounting analytics and fundamental database and querying skills associated with data analytics. Conceptual foundations, such as relational database structure, data normalization, and data querying (via Structured Query Language), are emphasized. Students will be able to analyze accounting datasets with SQL and other data analytics tools to arrive at empirically valid conclusions and recommendations.

Credit Hours: 1 to 3 University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Yes Maximum Repeatable Hours: 3

MSA 560 - Forensic Acctg and Fraud Exam

Course Description:

This course introduces students to different types of occupational frauds, the psychology of the fraudster, different fraud detection and prevention techniques, and the role of ethics in fraud deterrence. Students will also learn techniques and technologies for fraud detection and forensic analysis. Additionally, students will learn how to analyze and evaluate frauds and create fraud prevention measures.

Credit Hours: 1 Additional Restrictions/Requirements:

Admission to the Accounting 4+1 Program,

A "B" or better in ACG 301 and ACG 306,

or, permission of the Chair of the Department of Accountancy and Business Law

University Studies: ["Building Competencies/Writing Intensive"] Crosslisting:

ACG 450

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 3

Department of Economics and Finance

https://csb.uncw.edu/ef/index.html

The Department of Economics and Finance provides courses and other academic support for the B.S. degree with concentrations in economics, finance, FinTech, and real estate and for the B.A. degree with a major in economics. The economics and finance programs prepare students for careers that emphasize an understanding of financial markets and the operation of the economy as well as the proper choice of policies by both government and business enterprises. The department also offers a minor in economics for non-business majors.

The economics programs prepare students to enter government service, industry, or graduate programs in economics, business, public administration or other social science disciplines. The B.S. degree with a concentration in economics is designed to provide orientation of the individual and the firm in economic society, and supplements the study of economics with a variety of business and accounting courses. The B.A. degree with a major in economics is designed for the student who wants to focus on economics in the liberal arts tradition. The minor in economics is designed for non-business students to add dimension to their chosen area of academic study. Graduate schools, the government, and private employers seek employees with an economics background.

Both degree programs and the economics minor offer students an understanding of contemporary economic problems and institutions and provide a study of economic issues, both in an historical setting and under conditions of change.

The B.S. degree with a concentration in finance consists of three separate but related areas: business finance, investments, and financial institutions. The finance curriculum prepares students for graduate study and for careers in corporate financial management, the investments and securities industry, and the management of financial institutions. The application of finance and the tools of financial analysis are emphasized in the courses.

The B.S. degree with a concentration in FinTech provides students with a foundation in finance and exposure to coding and how technology is impacting the world of finance. The FinTech curriculum prepares students for careers in finance, investments, and operational support of financial institutions. The courses emphasize a foundation in finance and an exposure to technical skills.

The B.S degree with a concentration in real estate provides students with a foundation of business courses and skills useful in the real estate industry. These courses include professional selling, regional economics, etc. and prepare students to understand and succeed in the world of real estate, especially residential real estate.

BUS 204 - The Business of Film

Course Description:

Introduction to business aspects of the motion picture industry. The course examines the life cycle of a film product, from the development stages through distribution and marketing stages. Emphasis is on business strategies and decisions regarding creative development, financing, legal issues, budgeting, scheduling, marketing, exhibition, and other business elements of filmmaking.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

ECN 125 - Survey of Economics

Course Description:

An introduction to economics principles for non-business and non-economics majors. Current analysis rather than theoretical analysis is utilized to present and show the relevance of economics principles. (Not open to students who have earned credit for either ECN 221 or ECN 222 .)

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Understanding Human Institutions and Behaviors"] Course Repeatability: Course may not be repeated.

ECN 221 - Principles of Economics-Micro

Course Description:

Analysis of decision-making processes and economic equilibrium for the individual firm and consumer at an introductory level.

Credit Hours: 3 Prerequisite Courses:

MAT 111 or MAT 150 or MAT 151 or MAT 160 or MAT 161

University Studies: ["Approaches and Perspectives/Understanding Human Institutions and Behaviors"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

ECN 222 - Principles of Economics-Macro

Course Description:

Aggregate economic analysis examining the effects of fiscal and monetary policy upon aggregate employment, income and prices at an introductory level.

Credit Hours: 3 Prerequisite Courses:

ECN 221

University Studies: ["Approaches and Perspectives/Understanding Human Institutions and Behaviors"] Course Repeatability: Course may not be repeated.

ECN 250 - Capitalism and the Global Market

Course Description:

An introduction to the history of capitalism, the current global market society, and the ethics of capitalism.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Understanding Human Institutions and Behaviors"] Course Repeatability: Course may not be repeated.

ECN 295 - Special Topics in Economics

Course Description:

Seminar in selected topics in economics. This course does not fulfill requirements towards any major or concentration in the Cameron School of Business.

Credit Hours: 1 To 3 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

ECN 321 - Intermediate Microeconomics

Course Description:

A theoretical analysis of individual consumer and firm behavior and general equilibrium.

Credit Hours: 3 Prerequisite Courses:

(MAT 151 or MAT 161) and ECN 222 .

Additional Restrictions/Requirements:

Prerequisite courses and either admission to Cameron School of Business or declared minor in economics.

Course Repeatability: Course may not be repeated.

ECN 322 - Intermediate Macroeconomics

Course Description:

A theoretical analysis of the determination of aggregate income, aggregate employment, and the average price level and role of monetary and fiscal policy in the macroeconomy.

Credit Hours: 3 Prerequisite or Corequisite Courses:

ECN 222 , MAT 151 or MAT 161

Additional Restrictions/Requirements:

Prerequisite courses and either admission to Cameron School of Business or declared minor in economics.

Course Repeatability: Course may not be repeated.

ECN 324 - Financial Markets and Institutions

Course Description:

An introduction to the financial and economic environment within which a firm must operate. Analysis of the sources and the cost and availability of funds in a domestic and international setting; analysis of international monetary flows; financial decision making in an integrated world economy.

Credit Hours: 3 Prerequisite Courses:

ECN 222

Crosslisting:

FIN 324

Course Repeatability: Course may not be repeated.

ECN 325 - Environmental Economics

Course Description:

Application of basic economics principles is used to help understand environmental problems and evaluate alternative solutions. Economic principles will be employed to analyze fundamental environmental issues such as property rights, externalities, conservation, and public goods. Public policy issues such as environment protection, natural resource damage assessment, and pollution control will be evaluated from an economic perspective. Specific focus will be given to methods for non-market valuation.

Credit Hours: 3 Prerequisite Courses:

ECN 125 or ECN 221

Crosslisting:

EVS 325

Course Repeatability: Course may not be repeated.

ECN 326 - Comparative Economic Systems

Course Description:

Analysis of economic systems operating under capitalism, socialism, communism, and fascism; institutions and organization of production and government; decision-making; distribution of income; problems of developing nations.

Credit Hours: 3 Prerequisite Courses:

ECN 125 or ECN 222 .

Additional Restrictions/Requirements:

Prerequisite courses and either admission to Cameron School of Business or declared minor in economics.

University Studies: ["Approaches and Perspectives/Living in a Global Society"] Course Repeatability: Course may not be repeated.

ECN 327 - Health Economics

Course Description:

Analysis of health-care delivery using economic reasoning. Specific topics include the demand for health, medical care, and insurance; socio-economic patterns in health-related behaviors and outcomes; physician and hospital services; private and public financing of care; regulation of the health-care marketplace; and medical innovation.

Credit Hours: 3 Prerequisite Courses:

ECN 125 or ECN 221

Course Repeatability: Course may not be repeated.

ECN 328 - Public Finance

Course Description:

Study of state, local, and federal government revenue and expenditures; theory of taxation, tax shifting and incidence; theory of public goods, fiscal neutrality and government regulation; methods of achieving efficiency in government benefit-cost analysis, program budgeting (PPB), and pricing of government services.

Credit Hours: 3 Prerequisite Courses:

ECN 222 .

Additional Restrictions/Requirements:

Prerequisite courses and either admission to Cameron School of Business or

declared minor in economics
University Studies: ["Approaches and Perspectives/Living in Our Diverse Nation"] Course Repeatability: Course may not be repeated.

ECN 329 - Industrial Organization and Public Policy

Course Description:
A theoretical and empirical study of how the structure of industry affects the conduct and performance of the firm; balanced coverage of public policy as it affects structure, conduct and performance.
Credit Hours: 3 Prerequisite Courses:
ECN 222 .
Additional Restrictions/Requirements:
Prerequisite courses and either admission to Cameron School of Business or declared minor in economics.
Course Repeatability: Course may not be repeated.

ECN 330 - Natural Resource Economics

Course Description:
Economic principles are developed and applied to evaluate public and private decisions involving the use and allocation of natural resources. Optimal control theory is developed and applied to the management of natural resources. Attention is given to specific resources management areas such as forests and fisheries. The feasibility of alternatives for public policy is evaluated.
Credit Hours: 3 Prerequisite Courses:
ECN 125 or ECN 221
Crosslisting:
EVS 330
Course Repeatability: Course may not be repeated.

ECN 377 - Introduction to Econometrics and Data Analytics

Course Description:
Introduction to applied estimation, testing and interpretation of economic models useful for business and policy decision-making. Emphasis on applied, client-driven model formulation, data acquisition and manipulation, and model estimation using statistical regression in a desktop computing environment. Extensive practice in

interpretation of results for business and policy audiences.
Credit Hours: 3 Prerequisite Courses:
ECN 222 and (MAT 151 or MAT 161) and (BAN 280 or STT 215).
Additional Restrictions/Requirements:
Prerequisite courses and either admission to Cameron School of Business or declared minor in economics.
Course Repeatability: Course may not be repeated.

ECN 421 - History of Economic Thought

Course Description:
Scientific economic thought and philosophy from ancient to modern times. Open-ended as to dates of time period covered. Primary emphasis is on topics as opposed to schools of thought.
Credit Hours: 3 Prerequisite Courses:
ECN 222 .
Additional Restrictions/Requirements:
Prerequisite courses and either admission to Cameron School of Business or declared minor in economics
Course Repeatability: Course may not be repeated.

ECN 426 - International Trade and Finance

Course Description:
A consideration of international trade theory and international financial institutions, including comparative advantage, exchange rates and balance of payments problems.
Credit Hours: 3 Prerequisite Courses:
ECN 222 and INB 300 .
Additional Restrictions/Requirements:
Prerequisite courses and either admission to Cameron School of Business or declared minor in economics.
Crosslisting:
INB 426 .
Course Repeatability: Course may not be repeated.

ECN 427 - Labor Economics

Course Description:

An analysis of the demand for and the supply of labor at the individual and the aggregate level; labor unions and collective bargaining.

Credit Hours: 3 Prerequisite Courses:

ECN 222 .

Additional Restrictions/Requirements:

Prerequisite courses and either admission to Cameron School of Business or declared minor in economics.

Course Repeatability: Course may not be repeated.

ECN 428 - Applied Regional Analysis

Course Description:

Theoretical and applied analysis of patterns and trends in local, state, and regional economic growth. Use of current computer-based methods in regional economic analysis including economic impact models. Applied analysis of current regional issues and government policies to address these issues.

Credit Hours: 3 Prerequisite Courses:

ECN 222 .

Additional Restrictions/Requirements:

Prerequisite courses and either admission to Cameron School of Business or declared minor in economics.

University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

ECN 429 - Economics of Growth and Development

Course Description:

Economic principles are developed and applied to evaluate theories of economic growth and development in an international context. Major topics include: Measuring growth, theory of economic growth, the economics of poverty, agricultural issues, health, nutrition, productivity, gender bias, education, and technological change; government failures, migration and population growth, theories of income distribution, human capital theory, social capital theory, the effect of geography on growth, and sustainable development.

Credit Hours: 3 Prerequisite Courses:

ECN 222 .

Additional Restrictions/Requirements:

Prerequisite courses and either admission to Cameron School of Business or declared minor in economics.
University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

ECN 432 - Advanced Open Economy Macroeconomics

Course Description:
Analysis of forces that determine output, employment, inflation, wages, and interest rates in an open-economy setting. Topics include the challenges faced by policymakers, the role of exchange rates in the macroeconomic adjustment process, guidelines for monetary policy, and interactions between the macro economy and the financial system. Special emphasis on using high frequency macroeconomic data - such as employment, retail sales, housing, and CPI releases - to assess economic trends and present research on important policy issues. This course satisfies the oral competency requirement for the B.A. degree in Economics.
Credit Hours: 3 Prerequisite Courses:
ECN 322
Additional Restrictions/Requirements:
Prerequisite course and admission to the Cameron School of Business.
Course Repeatability: Course may not be repeated.

ECN 433 - Introduction to Speculative Markets

Course Description:
Elementary economics of financial futures and options markets. Mechanics of trading and coverage of existing regulations. Pricing and strategies in options and futures contracts in the markets for financial assets and commodities. Hedging, risk management and valuation.
Credit Hours: 3 Prerequisite Courses:
ECN 324 and FIN 335
Additional Restrictions/Requirements:
Prerequisite courses or consent of department chair and admission to Cameron School of Business.
Crosslisting:
FIN 433
Course Repeatability: Course may not be repeated.

ECN 477 - Advanced Econometrics and Research Methods

Course Description:

An introduction to the formalization of economic hypotheses into testable relationships and the application of appropriate statistical techniques. Theoretical aspects are covered, but primary emphasis is on computer application utilizing regression analysis.

Credit Hours: 3 Prerequisite Courses:

ECN 222 and (BAN 280 or STT 215) and ECN 377 .

Additional Restrictions/Requirements:

Prerequisite courses and either admission to Cameron School of Business or declared minor in Economics.

University Studies: ["Building Competencies/Writing Intensive", "Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

ECN 491 - Directed Individual Study

Course Description:

Please enter a description.

Credit Hours: 1 To 6 Additional Restrictions/Requirements:

Junior or senior standing and consent of department chairperson and admission to Cameron School of Business.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

ECN 495 - Seminar in Economics

Course Description:

This course may be repeated under a different subtitle.

Credit Hours: 1 To 3 Additional Restrictions/Requirements:

Junior or senior standing and consent of the department chairperson and admission to Cameron School of Business.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

ECN 498 - Internship in Economics

Course Description:

This class involves the application of economics concepts in a "real world" setting.

The participant receives hands-on experience under the joint guidance of a manager from a business or not-for-profit organization and a faculty supervisor.
Credit Hours: 1 To 6 Additional Restrictions/Requirements:
Junior or senior standing, consent of department chairperson, and admission to Cameron School of Business.
University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated. Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

ECN 499 - Honors Work in Economics

Course Description:
Independent work for honors students.
Credit Hours: 2 To 3 Additional Restrictions/Requirements:
Senior standing and admission to Cameron School of Business.
University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

FIN 235 - Personal Finance

Course Description:
Study of individual and family financial decisions. Designed to prepare the student to exercise intelligent control over income, expenditures, borrowing, savings and investments. Recommended elective for non-business majors. Course is open to all majors.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Understanding Human Institutions and Behaviors"] Course Repeatability: Course may not be repeated.

FIN 295 - Special Topics in Finance

Course Description:
Seminar in selected topics in finance. This course does not fulfill requirements towards any major or concentration in the Cameron School of Business.
Credit Hours: 1 To 3 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

FIN 324 - Financial Markets and Institutions

Course Description:

An introduction to the financial and economic environment within which a firm must operate. Analysis of the sources and the cost and availability of funds in a domestic and international setting; analysis of international monetary flows; financial decision making in an integrated world economy.

Credit Hours: 3 Prerequisite Courses:

ECN 222

Crosslisting:

ECN 324

Course Repeatability: Course may not be repeated.

FIN 330 - Principles of Investments

Course Description:

An introduction to alternative investments, with major emphasis on financial instruments. Practical descriptive material and relevant theoretical applications. Topics include stocks, bonds, and other financial alternatives.

Credit Hours: 3 Prerequisite Courses:

ACG 201 and ECN 222 and FIN 335

University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

FIN 331 - Real Estate

Course Description:

Principles of property management and practices relating to appraisal, sales, ownership, control, financing, and transfer of real property.

Credit Hours: 3 Prerequisite Courses:

ACG 201 and ECN 222

Additional Restrictions/Requirements:

Prerequisite courses and admission to Cameron School of Business.

Course Repeatability: Course may not be repeated.

FIN 332 - Risk Management and Insurance

Course Description:

An introduction to the risk management function and to the basic methods used to handle risks facing the business enterprise, families and individuals. Emphasis is on

the insurance method of handling risk with study of the concepts underlying insurance, the fundamentals of insurance contracts, and a broad selection of policy coverage in the property and liability, and life and health fields.
Credit Hours: 3 Prerequisite Courses: ACG 201 and ECN 222 Additional Restrictions/Requirements:
Prerequisite courses and admission to Cameron School of Business.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 3

FIN 335 - Principles of Financial Management

Course Description:
An introduction to the finance function of business enterprise and to the analytical techniques used in making investment and financing decisions.
Credit Hours: 3 Prerequisite Courses:
Prerequisite ACG 201 , ECN 222 and (BAN 280 or STT 215); or prerequisite STT 315 and corequisite MAT 381 .
Course Repeatability: Course may not be repeated.

FIN 336 - Intermediate Corporate Finance

Course Description:
The study of the theory and practice of corporate finance with special emphasis on the evaluation and financing of capital expenditures. Topics include cash flow determination, firm valuation, the Capital Asset Pricing Model, and an introduction to option pricing.
Credit Hours: 3 Prerequisite Courses:
FIN 335
Additional Restrictions/Requirements:
Prerequisite course and admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.

FIN 430 - Investment Management

Course Description:
An analytical approach to the valuation of stocks, bonds and options and the placement of those securities in Markowitz-efficient portfolios. Technical and fundamental analysis, market efficiency and valuation methods are examined. Both application and theory are emphasized.

Credit Hours: 3 Prerequisite Courses:

FIN 330 and FIN 335

Additional Restrictions/Requirements:

Prerequisite courses and admission to Cameron School of Business.

Course Repeatability: Course may not be repeated.

FIN 431 - Real Estate Investment Analysis

Course Description:

The decision-making process in real estate investment analysis including risk and return, financing alternatives, tax implications, and pricing and development alternatives.

Credit Hours: 3 Prerequisite Courses:

FIN 335 .

Additional Restrictions/Requirements:

Prerequisite course and admission to Cameron School of Business.

Course Repeatability: Course may not be repeated.

FIN 433 - Financial Derivatives and Risk Management

Course Description:

Valuation of financial derivatives, including forwards, futures, options, and swaps. Application of the Black-Scholes-Merton model, the binomial option pricing model, and the cost of carry model. Use of financial derivatives for hedging, speculation, and arbirtrage and risk management.

Credit Hours: 3 Prerequisite Courses:

FIN 335

Additional Restrictions/Requirements:

Prerequisite course or consent of the department chair and admission to Cameron School of Business.

Crosslisting:

ECN 433

Course Repeatability: Course may not be repeated.

FIN 434 - Fixed Income Securities and Derivatives

Course Description:

This course investigates fixed income securities (i.e. bonds) and their derivatives.

The course will describe the major players in fixed income markets, the key institutions, broad empirical regularities and analytical tools that are used for pricing and risk management. Some parts of this course are analytical while others are institutional.

Credit Hours: 3 Prerequisite Courses:

FIN 330

Additional Restrictions/Requirements:

Prerequisite course and admission to Cameron School of Business.

Course Repeatability: Course may not be repeated.

FIN 436 - Advanced Financial Management

Course Description:

Financial analysis and decision making in the modern business organization. Theoretical foundations of financial decision-making are emphasized, including both working capital and fixed capital requirements.

Credit Hours: 3 Prerequisite Courses:

FIN 330 and FIN 336

Additional Restrictions/Requirements:

Prerequisite courses and admission to Cameron School of Business.

Course Repeatability: Course may not be repeated.

FIN 437 - Commercial Bank Management

Course Description:

A study of commercial bank operations and the regulatory environment of banking. Topics will include the evolution of regulation in the United States, industry structure, analysis of bank financial statements, asset/liability management, and capital requirements.

Credit Hours: 3 Prerequisite Courses:

ECN 324 and FIN 335

Additional Restrictions/Requirements:

Prerequisite courses and admission to Cameron School of Business.

Course Repeatability: Course may not be repeated.

FIN 438 - Financial Statement Analysis

Course Description:

This course focuses on the analysis of financial statments. Topics covered include credit analysis, profitability analysis, revenue recognition, asset recognition, liability recognition, and equity recognition. Specific attention is given to where managers have flexibility in accounting standards and how this might impact the analysis of the firm. Students are required to synthesize material from lecture to the analysis of real companies.

Credit Hours: 3 Prerequisite Courses:

FIN 335

Additional Restrictions/Requirements:

Prerequisite course and admission to Cameron School of Business.

Course Repeatability: Course may not be repeated.

FIN 439 - Multinational Financial Management

Course Description:

An examination of the issues affecting the financial managers of multinational corporations. Topics include managing foreign exchange risk, international financial decisions, and factors affecting foreign direct investment.

Credit Hours: 3 Prerequisite Courses:

FIN 335 and INB 300

Additional Restrictions/Requirements:

Prerequisite courses and admission to Cameron School of Business.

Crosslisting:

INB 439

Course Repeatability: Course may not be repeated.

FIN 440 - Portfolio Design and Management

Course Description:

Students develop skills to analyze individual securities and then focus on investment portfolio design. These skills will ultimately be applied to UNCW's real-dollar student-managed investment fund.

Credit Hours: 3 Prerequisite Courses:

FIN 330 and FIN 336

Additional Restrictions/Requirements:

BS Business Administration, and admission to the Cameron School of Business, and a B- or better in FIN 330 and FIN 336.

Course Repeatability: Course may not be repeated. Major Restriction: BS Business Administration

FIN 441 - Financial Analytics

Course Description:

Adoption of big data techniques in large US business soared from 17% in 2015 to 59% in 2018, according to a recent article in the Forbes magazine. Building on this motivation, this course will be designed to introduce statistical and machine learning methods developed in the recent literature and discuss their applications in financial markets as well as industries such as banking and insurance. We start from basic regression analysis and build on to discuss advanced methods such as decision tree and neural networks. Throughout the course, the emphasis will be on practical uses rather than statistical details; however, a fair amount of background information on the fundamentals of the methods used will still be provided.

Credit Hours: 3 Prerequisite Courses:

FIN 335 .

Additional Restrictions/Requirements:

Prerequisite course and admission to Cameron School of Business.

Course Repeatability: Course may not be repeated. Additional Course Fees: ["None"]

FIN 442 - Introduction to FinTech

Course Description:

This course advances the students' knowledge by exploring the ways in which new technologies are disrupting the financial services industry—driving material change in business models, products, applications and customer user interfaces and the resultant disintermediation. Amongst the significant technological trends affecting financial services into the 2020's, the class will explore AI, smart contracts, blockchain technology, and big data. We will then turn to four sectors of specific opportunities: payments, credit, trading and risk management. We will explore the competitive and strategic landscape amongst FinTech start-ups, incumbents from big finance and big tech in the U.S., China, India, and Europe. Students will learn about technological advances in data and analytics that are enabling these innovations.

Credit Hours: 3 Prerequisite Courses:

FIN 335 .

Additional Restrictions/Requirements:

Prerequisites and admission to Cameron School of Business

Course Repeatability: Course may not be repeated.

FIN 443 - Blockchain in Finance

Course Description:

The purpose of this course is to provide a sound working knowledge of cryptocurrency, blockchain and their derivatives. This course is designed for students wishing to explore blockchain technology's potential use—by entrepreneurs, investors and commercial concerns adapting to a changing world of money and finance.

Starting with the basics of Bitcoin, students will gain an understanding of the fundamentals of blockchain technology, distributed ledgers and smart ledgers. The class will examine current and potential blockchain applications in the financial, commercial and even military sectors. This will include reviews of potential use cases for payment systems, central banking, venture capital, secondary market trading, trade finance, commercial banking, post trade possessing and digital ID as well as applications in data management.

This course will examine not only the markets but also the regulatory landscape for cryptocurrencies, initial coin offerings, other tokens and crypto derivatives. By examining competing influences and the analytical tools that are used for tracking, pricing and risk management.

Some parts of the course will be fairly technical while others will be largely conceptual. Each session will be organized around one or two key topics. In addition, class notes, current articles and handouts will be used to supplement and clarify issues.

Credit Hours: 3 Prerequisite Courses:

FIN 335 .

Additional Restrictions/Requirements:

Prerequisites and admission to Cameron School of Business.

Course Repeatability: Course may not be repeated.

FIN 445 - Healthcare Finance

Course Description:

This course is a covers numerous topics in the area of Healthcare Finance. You will learn to apply tools of Financial Management to the management of Healthcare entities. Ask anyone who works in the field of Healthcare why you need to have a

special course in the topic, and they will unanimously say "because healthcare is different." To this end, we will cover topics such as the evolution the healthcare payment system in the United States (with some comparison to other countries). We will cover Revenue models and the Revenue cycle, as well as cost models. We will discuss how to measure community benefit, and we will do a deep dive into financial statements of hospitals and look at topics such as working capital management and cash management (critical issues in healthcare, but applicable to any firm). My goal is that you will leave the course with a better understanding of how healthcare is paid for in the US and the financial skills you will need to step into any healthcare entity and be able to make sound decisions regarding the financial aspects of the firm.

Credit Hours: 3 Prerequisite Courses:

FIN 335 .

Additional Restrictions/Requirements:

Prerequisites and admission to Cameron School of Business.

Course Repeatability: Course may not be repeated.

FIN 459 - International Consultancy

Course Description: This course is a consulting engagement with an international client. In this course, you will use and apply your business skills to a problem that the client firm is facing in an international setting. The course focuses on development of skills needed in the consulting profession such as client-facing skills, teamwork, presentation skills, etc. Credit Hours: 3 Prerequisite Courses: FIN 335 and MKT 340 Additional Restrictions/Requirements: BS Business Administration and Admission to Cameron School of Business Course Repeatability: Course may not be repeated. Major Restriction: BS Business Administration

FIN 491 - Directed Individual Study

Course Description:

Please enter a description.

Credit Hours: 1 To 6 Additional Restrictions/Requirements:

Junior or senior standing, consent of department chairperson and admission to Cameron School of Business.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

FIN 495 - Seminar in Finance

Course Description:

This course may be repeated under a different subtitle.

Credit Hours: 1 To 3 Additional Restrictions/Requirements:

Junior or senior standing, consent of the department chairperson and admission to Cameron School of Business.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

FIN 498 - Internship in Finance

Course Description:

This class involves the application of financial concepts in a "real world" setting. The participant receives hands-on experience under the joint guidance of a manager from a business or not-for-profit organization and a faculty supervisor.

Credit Hours: 1 To 6 Additional Restrictions/Requirements:

Junior or senior standing, consent of department chairperson, and admission to Cameron School of Business.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

FIN 499 - Honors Work in Finance

Course Description:

Independent work for honors students.

Credit Hours: 2 To 3 Additional Restrictions/Requirements:

Senior standing and admission to Cameron School of Business.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

Congdon School of Supply Chain, Business Analytics, and Information Systems

https://csb.uncw.edu/**congdon**/index.html

The Congdon School of Supply Chain, Business Analytics, and Information Systems

provides courses and other academic support for the B.S. degree with concentrations in business analytics, information systems and cybersecurity, and supply chain management, as well as for the information technology major.
Students concentrating in **Supply Chain Managemen**t receive the theoretical underpinnings from competing for jobs in a dynamic and ever-changing world. Supply chain managers design, implement and improve processes in all industries. Every industry has demand for students with a background in Supply Chain Management; from airlines, hospitals, resorts, and banking to traditional manufacturing organizations. The Supply Chain Management curriculum prepares students with the necessary knowledge, skills, and tools to make informed strategic operating decisions in areas such as; purchasing, physical distribution, project management, service systems management, quality management, supply chain management, logistics and distribution management, management of physical inventories and computer applications. Students learn the skills needed to be effective managers and problem solvers and become experts in the concepts and technologies that can be used to improve business operations.
Students concentrating in **Business Analytics** receive an understanding of the three main areas of analytics: descriptive, predictive, and prescriptive. This foundational understanding of analytics combines business, computational, and presentation skills. Students can then obtain, clean, and interpret complex data and translate the data via analysis into insight that helps to drive business growth. Business analytics is rapidly becoming one of the most popular and essential jobs of the 21st century. This concentration will provide students with the opportunity to focus on using analytics skills across multiple disciplines and in multiple contexts to improve decision making and fill a growing void in the global workforce. Analytics skills are in demand across various industry sectors, from finance to healthcare to marketing. Business analytics professionals are becoming more mainstream as corporate America embraces the ready availability of data and seeks professionals who can use that data to add value to an organization. Jobs related to business analytics are projected to continue to grow and provide competitive salaries.
The **Information Systems** (IS) concentration prepares students to be leaders in business using information technology for competitive advantage. Students learn to recognize and analyze management needs for information and identify efficient and effective methods to provide this information. Students learn business and technical skills, making them candidates for fast career advancement in the information-driven

marketplace. Information systems are used by organizations to compete successfully in today's data-driven marketplace. IS majors build solutions using programming, web design, networks, databases, and systems analysis to solve business problems and help firms gain a competitive edge.

Cybersecurity has become integral to every aspect of business operations in today's digital landscape. By pursuing a Cybersecurity concentration within CSB, undergraduate students gain a unique blend of managerial and technical expertise essential for navigating the complexities of modern commerce. Understanding cybersecurity principles equips students to identify, assess, and mitigate digital risks, safeguarding valuable assets and maintaining stakeholder trust. Moreover, with the cybersecurity workforce shortage, graduates with this specialization are in high demand. Entry-level positions often offer competitive salaries, reflecting the urgency and importance of protecting digital assets. Upon graduation, students can pursue diverse career paths, including roles such as cybersecurity analysts, information security consultants, risk managers, and compliance officers. With the increasing demand for cybersecurity professionals across industries, graduates are poised to enter a dynamic job market with ample opportunities for growth and advancement.

BAN 280 - Statistical Analysis for Business and Economics

Course Description:

Classification and presentation of business and economics data, probability and expected value, statistical inference, simple linear regression and correlation analysis.

Credit Hours: 3 Prerequisite Courses:

MAT 111 or MAT 150 .

University Studies: ["Foundations/Mathematics and Statistics"] Course Repeatability: Course may not be repeated.

BAN 295 - Special Topics in Business Analytics

Course Description:

Seminar in selected topics in Business Analytics. This course does not fulfil requirements towards any major or concentration in the Cameron School of Business.

Credit Hours: 1 To 3 Course Repeatability: Course may be repeated. Maximum Repeatable

Hours: 6

BAN 304 - Analytics Essentials

Course Description:
An analytics professional/practitioner is expected to be well-versed in modern analytics tools and techniques. In this course, students will gain competence in and exposure to relevant analytics software tools. The course presents software tools in the context of real-world datasets and problems.
Credit Hours: 3 Prerequisite Courses:
MAT 111 or MAT 150
Course Repeatability: Course may not be repeated.

BAN 305 - Introduction to Business Analytics

Course Description:
Application of statistical methods to business problems; topics include chi-square analysis, the F distribution, one-way and two-way analysis of variance, simple and multiple regression analysis, and introduction to forecasting with regression models; use of computer programs in solving statistical problems.

Credit Hours: 3 Prerequisite Courses:
BAN 280 .
Course Repeatability: Course may not be repeated.

BAN 306 - Communicating Data with Storytelling

Course Description:
This course provides an introduction as well as hands-on experience in descriptive analytics and data visualization. It introduces students to principles for creating meaningful analysis and displays of quantitative and qualitative data to facilitate managerial decision-making.
Credit Hours: 3 Prerequisite Courses:
MATH 111 or MATH 150 or MATH 160
Additional Restrictions/Requirements:
Admission to Cameron School of Business or declared BS Information Technology major
University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated. Major Restriction: BS Business Administration or BS Information Technology

BAN 309 - Health Care Analytics

Course Description:

This course develops an understanding of analytics in the healthcare field. Emphasis is given to how technology and analytics impact healthcare. Analytical tools are used to solve real healthcare challenges, improve processes, and help make important healthcare business decisions.

Credit Hours: 3 Prerequisite Courses:

BAN 280 .

Course Repeatability: Course may not be repeated.

BAN 310 - Sports Analytics

Course Description:

This course introduces fundamental analytics concepts in the context of sports. A variety of sports, professional and amateur, are covered with an emphasis on using analytics techniques and tools to add value and fuel competitive advantage. Software tools will be used extensively to illustrate concepts.

Credit Hours: 3 Prerequisite Courses:

BAN 280 or STT 215

Additional Restrictions/Requirements:

Admission to Cameron School of Business or declared BS Information Technology major

Course Repeatability: Course may not be repeated. Major Restriction: BS Business Administration or BS Information Technology

BAN 400 - Big Data Analytics

Course Description:

Acquisition, management, and analysis of large sets of data that are often encountered in a business environment. Focuses on challenges specific to analysis of data at scale. Real-world applications and case studies are examined.

Credit Hours: 3 Prerequisite or Corequisite Courses:

BAN 304

Additional Restrictions/Requirements:

Admission to Cameron School of Business or declared BS Information Technology

major
Course Repeatability: Course may not be repeated. Major Restriction: BS Business Administration or BS Information Technology

BAN 402 - Predictive Analytics

Course Description:
Leveraging data to add value to business is of critical importance in our modern society. This course will focus on the analysis of data in order to create predictions and will examine a variety of predictive techniques to extract information from data. These topics will include: multiple linear regression, logistic regression, classification, clustering, text mining, neural networks, and others. This course will also discuss the challenges presented by large datasets and describe techniques such as data cleaning and visualization.
Credit Hours: 3 Prerequisite or Corequisite Courses:
BAN 305 .
Prerequisite Courses:
BAN 304 .
Additional Restrictions/Requirements:
Admission to Cameron School of Business.
Course Repeatability: Course may not be repeated. Major Restriction: Information Technology (IT) Minor Restriction: Business Analytics (BAN)

BAN 403 - Optimizing Data-driven Decisions

Course Description:
Prescriptive Analytics deals with developing analytical models to solve business problems. Prescriptive models are used when a business needs to optimize operational decisions. The solution from these models provide the best solution (profit maximization, cost minimization, minimization of resource utilization, etc.) to the operational decision problems. Students will use MS Excel and AMPL as software tools for optimization in this course.
Credit Hours: 3 Prerequisite Courses:
BAN 304.
Additional Restrictions/Requirements:
Admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.

BAN 416 - Transportation Analytics

Course Description:
This course develops skills for solving complex business problems with the aid of

data analytical techniques in the transportation field. Students will develop business analysis frameworks and apply Excel-based optimization tools to assess transportation solutions.
Credit Hours: 3 Prerequisite Courses:
Prerequisite: SCM 370 and admission to the Cameron School of Business.
Course Repeatability: Course may not be repeated.

BAN 417 - Supply Chain Analytics

Course Description:
This course introduces students to quantitative models the firms use to manage supply and demand. Managing supply and demand involves managing customer preferences, classify suppliers and customers, optimize product pricing, and promotion strategies. The applications of the above models in the hospitality industry, broadcasting, show business are discussed.
Credit Hours: 3 Prerequisite Courses:
SCM 370
Additional Restrictions/Requirements:
Admission to Cameron School of Business or declared BS Information Technology major
Course Repeatability: Course may not be repeated. Major Restriction: BS Business Administration or BS Information Technology

BAN 480 - Business and Economic Forecasting

Course Description:
Development of an approach to forecasting through the study of time-series techniques including moving averages, exponential smoothing, regression, and Box-Jenkins.
Credit Hours: 3 Prerequisite Courses:
BAN 280
Additional Restrictions/Requirements:
Prerequisite course or consent of department chair and admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.

BAN 485 - Introduction to Business Simulation

Course Description:

Introduction to simulation models as tools in the analysis of business problems. Discrete event simulation models for production and service systems are introduced through the use of a computer simulation language.

Credit Hours: 3 Prerequisite Courses:

SCM 370

Additional Restrictions/Requirements:

Prerequisite course and admission to Cameron School of Business.

Course Repeatability: Course may not be repeated.

BAN 491 - Directed Individual Study

Course Description:

Please enter a description.

Credit Hours: 1 To 6 Additional Restrictions/Requirements:

Junior or senior standing and consent of the department chairperson and admission to Cameron School of Business.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 24

BAN 495 - Seminar in Business Analytics

Course Description:

This course may be repeated under a different subtitle.

Credit Hours: 1 To 3 Additional Restrictions/Requirements:

Junior or senior standing and consent of the department chairperson and admission to Cameron School of Business.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

BAN 498 - Internship in Business Analytics

Course Description:

Involves the application of business analytic skills developed in the academic environment to problems in a real-world operating environment. The participant will receive practical training and experience under the guidance of the staff of a local business or government organization and a faculty supervisor. Available internships are filled on a competitive basis.

Credit Hours: 1 To 6 Additional Restrictions/Requirements:

Consent of faculty supervisor and admission to Cameron School of Business.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

BAN 499 - Honors Work in Business Analytics

Course Description:

Independent work for honors students.

Credit Hours: 2 To 3 Additional Restrictions/Requirements:

Senior standing and admission to Cameron School of Business.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

MIS 213 - Business Technology and Intelligence

Course Description:

This course is designed to introduce students to the impacts of information systems on the firm, industry, society, and the economy. The management of the information resource and issues related to accessing, processing, and distributing information within a business context are emphasized. Students will analyze the role of information systems in reaching organizational objectives including communication, collaboration, performance improvement and strategy implementation. Skill-based learning will reinforce strategic information systems concepts.

Credit Hours: 3 University Studies: ["Building Competencies/Information Literacy", "Approaches and Perspectives/Understanding Human Institutions and Behaviors"] Course Repeatability: Course may not be repeated.

MIS 216 - Introduction to Business Application Development

Course Description:

An introduction to computer programming in a business context using a modern high-level programming language. Topics include program flow constructs, programming logic, objects, and other basic programming techniques.

Credit Hours: 1 Course Repeatability: Course may not be repeated.

MIS 295 - Special Topics in Information Systems

Course Description:

Seminar in selected topics in information systems. This course does not fulfill requirements towards any major or concentration in the Cameron School of Business.
Credit Hours: 1 To 3 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

MIS 303 - Programming for Analytics

Course Description:
This course introduces the essential general programming concepts and techniques for data analytics. Students will learn programming foundations, application development, and how to integrate applications with business operations. The course covers hands-on issues in programming for analytics, which includes accessing data, manipulating data objects, analyzing data using common statistical methods, generating reproducible statistical reports, and creating informative visualizations.
Credit Hours: 3 Prerequisite Courses:
MIS 213 or CIT 110
Additional Restrictions/Requirements:
Admission to Cameron School of Business or declared BS Information Technology major.
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3 Major Restriction: BS Business Administration or BS Information Technology

MIS 305 - Data Visualization

Course Description:
This course provides design principles for creating displays of quantitative and qualitative data to facilitate managerial decision-making. The use of popular and powerful data visualization and dashboarding software tools is emphasized.
Credit Hours: 3 Prerequisite Courses:
BAN 305
Additional Restrictions/Requirements:
Admission to Cameron School of Business or declared BS Information Technology major.
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3 Major Restriction: BS Business Administration or BS Information Technology

MIS 306 - Text Data Analytics

Course Description:

The past decade has witnessed an explosion of digital text-based data produced by social media platforms, websites, emails, and the digitization of historical archives. These new data sources hold enormous potential to address a range of problems in various fields. Quantitative text analytics techniques allow us to derive insights from these data. This course explores methods for pre-processing, analyzing, and visualizing text-based data. Students will use current software tools to perform data analytics.

Credit Hours: 3 Prerequisite Courses:

BAN 280 or STT 215

Additional Restrictions/Requirements:

Admission to Cameron School of Business or declared BS Information Technology major.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3 Major Restriction: BS Business Administration or BS Information Technology

MIS 310 - Web Development Languages

Course Description:

Study of the design and creation of web pages that support traditional screens, tablets, and smart devices. Topics include page structure, human-computer interface design, style sheets, reusability, and design concepts. Best industry practices in web development, such as client-side scripting languages and Search Engine Optimization (SEO) techniques, will also be considered.

Credit Hours: 3 Prerequisite or Corequisite Courses:

or (CSC 112 or CSC 131 or MIS 216)

Prerequisite Courses:

CIT 110 or MIS 213

Additional Restrictions/Requirements:

One prerequisite or corequisite course is required: Choose CIT 110 or MIS 213 as a prerequisite course or one of CSC 112, CSC 131, or MIS 216 as a pre- or corequisite course.

Admission to Cameron School of Business or declared BS Information Technology major or declared BS Cybersecurity major or declared BS Computer Science or declared BA Digital Arts or

declared Cybersecurity minor or declared Digital Arts minor.
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3 Major Restriction: BS Business Administration or BS Information Technology or BS Cybersecurity or BS Computer Science or BA Digital Arts Minor Restriction: Cybersecurity Minor or Digital Arts Minor

MIS 315 - Management of Database Systems

Course Description:

Study of the design and administration of database systems in a business environment. The relational model is used along with database management software to facilitate the communication and distribution of data and its conversion into information, with an emphasis on sound design principles. Topics include entity-relationship modeling, normalization, and the structured query language (SQL).

Credit Hours: 3 Prerequisite Courses:

MIS 213 or CIT 213

Additional Restrictions/Requirements:

Admission to Cameron School of Business or one of the above declared majors or minors.

Course Repeatability: Course may not be repeated. Major Restriction: BS Business Administration or BS Information Technology Minor Restriction: GIS, Remote Sensing and UAS or Information Technology or Public Administration

MIS 316 - Business Application Development

Course Description:

Intermediate programming in an event driven, rapid application development context. Emphasis is on writing high-quality code that is easy to debug, test, and maintain, culminating in database interaction.

Credit Hours: 3 Prerequisite or Corequisite Courses:

and MIS 216 and MIS 315

Prerequisite Courses:

CSC 112 or CSC 131

Additional Restrictions/Requirements:

Students must take MIS 315 as a prerequisite or corequisite. Students must also take one of the following three courses (CSC 112 or CSC 131 as a prerequisite) or (MIS 216 as a prerequisite/corequisite).

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3 Major Restriction: BS Business Administration or BS Information Technology

MIS 319 - Health Informatics

Course Description:

The course aims to give students a basic proficiency in health informatics. Health informatics encompasses the application of computing to healthcare delivery; population and public health; community-based clinical research; and the potential for big data and analytics to transform the field. The students will complete a variety of exercises and projects designed to provide a hands-on experience with state-of-the-art health informatics tools and systems.

Credit Hours: 3 Prerequisite Courses:

MIS 213

Additional Restrictions/Requirements:

Admission to Cameron School of Business or declared BS Information Technology major.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3 Major Restriction: BS Business Administration or BS Information Technology

MIS 320 - Network Fundamentals

Course Description:

Introduction to the OSI model, network topologies, IP addressing and subnet masks, simple routing techniques, and basic switching terminology. Topics include the basic functions of the seven layers of the OSI model, different classes of IP addressing and subnetting, router login scripts.

Credit Hours: 3 Prerequisite or Corequisite Courses:

CIT 110 or CYBR 201 or MIS 213

Additional Restrictions/Requirements:

Admission to Cameron School of Business or declared BS Cybersecurity major or declared BS Information Technology major or declared Cybersecurity minor

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3 Major Restriction: BS Business Administration or BS Cybersecurity or BS Information Technology Minor Restriction: Cybersecurity Minor

MIS 323 - Business Telecommunications and Enabling Technologies

Course Description:

A study of the role of telecommunications in businesses as well as emerging networking/security technologies that will enable and potentially change how organizations conduct business in a networked economy. The course covers telecommunication topics such as the network layers, architecture, design, and use of telecommunications technologies and systems (with an emphasis on local area networks). The course also focuses on various emerging technologies (e.g., cloud) and the potential business impact of these technologies.
Credit Hours: 3 Prerequisite Courses:

MIS 213

Additional Restrictions/Requirements:

Admission to Cameron School of Business or declared BS Information Technology major or declared BS Cybersecurity major or declared Cybersecurity minor or declared Public Administration minor.

University Studies: "Building Competencies/Writing Intensive" Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3 Major Restriction: BS Business Administration or BS Information Technology or BS Cybersecurity Minor Restriction: Cybersecurity Minor or Public Administration Minor

MIS 326 - Digital Transformation in Business

Course Description:
Introduction to the intersection of digital technologies and the transformation of modern business functions. Focus on cloud computing, the Internet of Things, and artificial intelligence, with consideration of business strategies, models, and operations. Based on real-world case discussions and hands-on exercises with practice in critical thinking and other soft skills.
Credit Hours: 3 Prerequisite Courses:

MIS 213 or CIT 110

Additional Restrictions/Requirements:

Admission to Cameron School of Business or declared BS Information Technology major

Course Repeatability: Course may not be repeated. Major Restriction: BS Business Administration or BS Information Technology

MIS 327 - Data Management

Course Description:

This course covers modern data management strategies, focusing on design, construction, and administration of data systems. Students will learn to analyze data

using AI techniques, covering topics like data organization, automation, security, governance, and optimization. Skills gained will help manage data in complex environments.

Credit Hours: 3 Prerequisite Courses:

MIS 315

Additional Restrictions/Requirements:

Admission to Cameron School of Business or declared BS Information Technology major or declared BS Cybersecurity major

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3 Major Restriction: BS Business Administration or BS Information Technology or BS Cybersecurity

MIS 328 - Application Lifecycle Management

Course Description:

Modern software development processes, practices, and management. Topics include development operations (DevOps) techniques such as configuration management, platform deployment and testing & monitoring of applications. Students will have hands-on experience with an enterprise level application lifecycle management system.

Credit Hours: 3 Prerequisite Courses:

MIS 316

Additional Restrictions/Requirements:

Admission to Cameron School of Business or declared BS Information Technology major.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3 Major Restriction: BS Business Administration or BS Information Technology

MIS 329 - Reporting and Business Intelligence

Course Description:

Modern operational reporting and business intelligence (BI) techniques facilitate enterprise decision making by supporting data manipulation, analysis, and visualization. This class is a study of reporting and BI processes, practices, and management and their role in enterprise decision making. Topics include data manipulation and analysis, data visualization, interactive dashboards, reporting, charting, and graphs generation. The class will consist of hands-on experience with a modern, enterprise-level report writing software.

Credit Hours: 3 Prerequisite Courses:

MIS 213 or CIT 213

Additional Restrictions/Requirements:

Admission to Cameron School of Business or declared BS Information Technology major.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3 Major Restriction: BS Business Administration or BS Information Technology

MIS 330 - Data Storage and Management

Course Description:

Design, construction, and management of hybrid storage. Topics include storage of documents, key-value pairs, objects, files, tables and caches, data and storage area networks. Techniques to be covered include replication, compression, authentication, authorization, load balancing, and data management. The course includes hands-on experience with modern, enterprise-level storage products.

Credit Hours: 3 Prerequisite Courses:

MIS 327

Additional Restrictions/Requirements:

Admission to Cameron School of Business or declared BS Information Technology major.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3 Major Restriction: BS Business Administration or BS Information Technology

MIS 331 - Mobile Applications Development

Course Description:

The course focuses on cross platform development of mobile applications. Topics covered include mobile app development with integration and interface design, working with persistent data, list, hardware/sensors and business issues including app publishing and distribution. Course delivery includes lectures, hands-on exercises, and projects covering app development across various platforms.

Credit Hours: 3 Prerequisite Courses:

MIS 216

Additional Restrictions/Requirements:

Admission to Cameron School of Business or declared BS Information Technology major.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3 Major Restriction: BS Business Administration or BS Information Technology

MIS 352 - Windows Systems Administration

Course Description:

Provides students with skill to perform basic operations involved in system administration of Microsoft Windows based systems. Provides students with the ability to apply methods such as managing applications, services, and network ports to improve the robustness of operating systems.

Credit Hours: 3 Prerequisite Courses:

MIS 320 or MIS 323 or CSC 344 with a minimum grade of C-

Additional Restrictions/Requirements:

Admission to Cameron School of Business or declared BS Information Technology major or declared BS Cybersecurity major or declared BS Intelligent Systems Engineering major or declared Cybersecurity minor.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3 Major Restriction: BS Business Administration or BS Information Technology or BS Cybersecurity or BS Intelligent Systems Engineering Minor Restriction: Cybersecurity Minor

MIS 363 - Advanced Telecommunications

Course Description:

The architecture, components, operations, and security of routers and switches in small networks, introduction to wireless local area networks (WLAN) and to scale for large, complex networks, including wide area network (WAN) technologies are described. The course emphasizes network security concepts and introduces network virtualization and automation. Students learn how to configure, troubleshoot, and secure enterprise network devices and understand how application programming interfaces (API) and configuration management tools enable network automation.

Credit Hours: 3 Prerequisite Courses:

MIS 320

Additional Restrictions/Requirements:

Admission to Cameron School of Business or declared BS Information Technology major or declared BS Cybersecurity major or declared Cybersecurity minor.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3 Major Restriction: BS Business Administration or BS Information Technology or BS Cybersecurity Minor Restriction: Cybersecurity Minor

MIS 367 - Emerging Network Technologies

Course Description:

This course investigates cloud computing models, techniques, and architectures. Cloud computing has evolved as a very important computing model, which enables information, software, and other shared resources to be provisioned over the network as services in an on-demand manner. Students will be exposed to the current practices in cloud computing. Topics may include distributed computing models and technologies, Infrastructure-as-a-Service (IaaS), Platform-as-a-Service (PaaS), Software-as-a-Service (SaaS), virtualization, security and privacy issues, performance and system issues, capacity planning, disaster recovery, Cloud OS, federated clouds, challenges in implementing clouds, data centers, hypervisor CPU and memory equipment, cloud-hosted applications, and other advanced and research topics in cloud computing. Course work will include homework assisgnments, presentations, and a term project that will provide exposure to scientific research in cloud computing.

Credit Hours: 3 Prerequisite Courses:

MIS 320

Additional Restrictions/Requirements:

Admission to Cameron School of Business or declared BS Information Technology major or declared Cybersecurity minor.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3 Major Restriction: BS Business Administration or BS Information Technology Minor Restriction: Cybersecurity Minor

MIS 370 - Problem-Solving with Artificial Intelligence

Course Description:

Introduction to the technical skills needed to effectively leverage AI within a business context. Exploration of fundamental concepts of AI, including machine learning, deep learning, data science, and data analytics. Implementation of AI solutions through hands-on coding projects to solve complex business problems, enhance decision-making processes, and drive innovation.

Credit Hours: 3 Additional Restrictions/Requirements:

Junior Standing or Senior Standing and Admission to Cameron School of Business or declared BS Information Technology major.

Course Repeatability: Course may not be repeated. Major Restriction: (Junior Standing or Senior Standing) and (BS Business Administration or BS Information Technology)

MIS 411 - Information Systems Analysis

Course Description:

Processes and methods used for identifying and documenting information systems requirements and developing systems specifications. Topics include the systems development life cycle, analysis tools, development methodologies, and techniques for effective communication.

Credit Hours: 3 Prerequisite or Corequisite Courses:

MIS 315 .

Prerequisite Courses:

Prerequisite: CIT 213 with a minimum grade of C-, or prerequisite/corequisite: MIS 315 .

Additional Restrictions/Requirements:

Admission to Cameron School of Business for students majoring in Business Administration, and students majoring in Information Technology B.S.

University Studies: ["Building Competencies/Information Literacy", "Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated.

MIS 413 - Systems Design/Capstone Project

Course Description:

Involves the analysis, design and implementation of a real world project employing a 3-tier development process. New skills introduced include advanced web development concepts, emerging web tools, and project management. Topics expanded are database design, systems analysis and design, UML, and technical communication.

Credit Hours: 3 Prerequisite Courses:

MIS 316 and MIS 411 .

Additional Restrictions/Requirements:

Admission to Cameron School of Business for students majoring in Business Administration, and students majoring in Information Technology B.S.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated.

MIS 415 - Emerging Information Technologies

Course Description:

A study of current technologies impacting a firm's ability to create and maintain a competitive advantage through the use of information systems technology. Topics may include hardware and software technologies that support the development of interactive Internet applications.

Credit Hours: 3 Prerequisite Courses:

MIS 213

Additional Restrictions/Requirements:

Prerequisite course and admission to Cameron School of Business.

Course Repeatability: Course may not be repeated.

MIS 419 - Information Technology Project Management

Course Description:

This course introduces the fundamentals of project management, beginning with project definition through the post-project review. There will be emphasis placed on applying project management concepts and techniques to information system projects. This includes consideration of project planning, scheduling, budgeting, human resources and the consideration of change management required to implement projects.

Credit Hours: 3 Prerequisite or Corequisite Courses:

MIS 411 .

Additional Restrictions/Requirements:

Admission to Cameron School of Business for students majoring in Business Administration and students majoring in Information Technology B.S.

Course Repeatability: Course may not be repeated.

MIS 480 - IT Resource Planning and Management

Course Description:

This course will explore the management and strategic alignment of IT resources within the organization. Topics include IT strategy, IT alignment, planning and

managing technology resources and integration of emerging technology into the organization.
Credit Hours: 3 Prerequisite Courses:
MIS 411 with a minimum grade of C-.
Additional Restrictions/Requirements:
Admission to Cameron School of Business for students majoring in Business Administration, and students majoring in Information Technology B.S.
University Studies: ["Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated.

MIS 491 - Directed Individual Study

Course Description:
Please enter a description.
Credit Hours: 1 To 6 Additional Restrictions/Requirements:
Junior or senior standing and consent of the department chairperson and admission to Cameron School of Business.
University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

MIS 495 - Seminar in Information Systems

Course Description:
This course may be repeated under a different subtitle.
Credit Hours: 1 To 3 Additional Restrictions/Requirements:
Junior or senior standing and consent of the department chairperson and admission to Cameron School of Business.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

MIS 498 - Internship in Information Systems

Course Description:
The participant will receive practical training and experience under the guidance of the staff of a business or government organization and a faculty supervisor.
Credit Hours: 1 To 6 Additional Restrictions/Requirements:
Consent of faculty supervisor and admission to Cameron School of Business.
University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 6 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:

Additional Course Fee Schedule

MIS 499 - Honors Work in Information Systems

Course Description:

Independent work for honors students.

Credit Hours: 2 To 3 Additional Restrictions/Requirements:

Senior standing and admission to Cameron School of Business.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

SCM 295 - Special Topics in Supply Chain

Course Description:

Seminar in selected topics in supply chain. This course does not fulfill requirements towards any major or concentration in the Cameron School or Business.

Credit Hours: 1 To 3 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

SCM 365 - Health Care Operations Management

Course Description:

Application of management tools to examine the health care value chain. Topics include designing health care delivery systems, capacity planning and decision making under uncertainty, process failure, learning and improvement, and innovations in health care.

Credit Hours: 3 Prerequisite Courses: BAN 280 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SCM 370 - Principles of Operations Management

Course Description:

This course provides a study of the drivers of quality, customer satisfaction, efficiency and productivity in service and manufacturing enterprises. Topics include product and service design, forecasting, quality management, facility location and layout, materials management, scheduling, project management, and supply chain management. While topics are covered for both manufacturing and service operations, attention is directed to the study and analysis of the operations

management function in service enterprises.
Credit Hours: 3 Prerequisite or Corequisite Courses:
BAN 280 or STT 215
University Studies: ["Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SCM 371 - Logistics and Distribution Management

Course Description:
This course provides an in-depth study of a wide range of logistics and distribution issues facing managers. Topics include an analysis of the following components of a typical logistics system: customer service, logisitics system analysis, network analysis, facility planning, warehouse operations, traffic and transportation management, and distribution planning. Attention is directed toward the establishment of sustainable competitive advantage based on transportation, logistics and distribution activities.
Credit Hours: 3 Prerequisite Courses: SCM 370 Additional Restrictions/Requirements:
Prerequisite course and admission to Cameron School of Business.
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SCM 372 - Service Operations Management

Course Description:
Study of the tools necessary to effectively manage a service organization. Particular attention will be paid to subtle relationships among the systems, strategy, and technology that define service delivery systems and their implications for customer satisfaction and profitability. Topics include service strategy and market position, role of the information resource, the service delivery system, service facility location, service quality, and managing supply and demand.
Credit Hours: 3 Prerequisite Courses: SCM 370 Additional Restrictions/Requirements:
Prerequisite course and admission to Cameron School of Business.
University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SCM 374 - Introduction to Six Sigma

Course Description:
This course covers the complete Six Sigma Green Belt body of knowledge. Through

lectures, applications and case studies, the course focuses on the background, value proposition, methodology, techniques and statistical tools of Six Sigma.
Credit Hours: 3 Prerequisite Courses: SCM 370 Additional Restrictions/Requirements:
Prerequisite course and admission to Cameron School of Business.
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SCM 375 - Quality Management

Course Description:
This course introduces quantitative and qualitative concepts and applications of quality management in manufacturing and service organizations. Topics include quality design, continuous improvement, cost of quality, employee involvement in quality, team building for quality, quality circles, service quality, statistical process control, and the relationship among quality, productivity, and competitiveness.
Credit Hours: 3 Prerequisite Courses: SCM 370 Additional Restrictions/Requirements:
Prerequisite course and admission to Cameron School of Business.
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SCM 376 - Transportation Management

Course Description:
This course develops an understanding of the strategic role of freight transportation systems in supply chain networks. Emphasis is given to the components of transportation systems, including their technological features, operational processes, and cost conditions, the buyer-seller channels for acquiring transportation services, and the strategic and tactical alternatives for transport procurement.
Credit Hours: 3 Prerequisite Courses: SCM 370 Additional Restrictions/Requirements:
Prerequisite course and admission to Cameron School of Business.
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SCM 377 - International Operations Management

Course Description:
A study of global operations and logistics in the manufacturing and service sectors. Topics include organization of global operations, global manufacturing, global sourcing and logistics, global technology transfer, global risk management, and cultural and national comparisons of operations management practices. Case

studies are used.
Credit Hours: 3 Prerequisite Courses: INB 300 and SCM 370 Additional Restrictions/Requirements:
Prerequisite courses and admission to Cameron School of Business.
University Studies: ["Approaches and Perspectives/Living in a Global Society", "Building Competencies/Writing Intensive"] Crosslisting:
INB 377
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SCM 378 - Product and Service Development

Course Description:
This course provides basic product/service development concepts, a knowledge base for conversing with those familiar with product/service concepts, and builds both quantitative and qualitative analysis skills needed for designing and developing products and services.
Credit Hours: 3 Prerequisite Courses: SCM 370 Additional Restrictions/Requirements:
Prerequisite course and admission to Cameron School of Business.
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SCM 379 - Procurement Management

Course Description:
This course provides an in-depth study of the concepts, methods, and responsibilities of the purchasing function for manufacturing and service organizations. Topics include the organization role of purchasing, strategic sourcing, contract and pricing practices, negotiation, quality assurance and reliability, inventory management, lean purchasing, make-or-buy decisions, and the acquisition of transportation and other services.
Credit Hours: 3 Prerequisite Courses:
SCM 370
Additional Restrictions/Requirements:
BS Business Administration and admission to Cameron School of Business.
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3 Major Restriction: BS Business Administration

SCM 472 - Project Management

Course Description:
This course introduces the fundamentals of project management, beginning with project definition and culminating in the post-project review. Students will learn techniques, terms and guidelines that are used to manage costs, schedules, risk, group dynamics and technical aspects throughout the life cycle of the project.
Credit Hours: 3 Prerequisite Courses: SCM 370 Additional Restrictions/Requirements:
Prerequisite course and admission to Cameron School of Business.
University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SCM 475 - Advanced Supply Chain Management

Course Description:
This course provides a detailed analysis of the materials planning and execution systems used to manage the flow of material in service and manufacturing organizations to facilitate all stages of the supply chain. Topics include systems for demand management and forecasting techniques, inventory control systems for distribution channels, materials and capacity requirements planning systems, scheduling and order dispatching systems.
Credit Hours: 3 Prerequisite Courses:
SCM 370
Additional Restrictions/Requirements:
Admission to Cameron School of Business
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3 Major Restriction: BS Business Administration

SCM 476 - Sustainable Supply Chain Systems

Course Description:
This course focuses on analyzing the implications of environmental considerations in logistics decisions. The course stresses learning how businesses can succeed while tackling sustainability challenges, emphasizing the fundamental tools and techniques required for analyzing and designing environmentally sustainable supply chain systems. The course covers carbon footprint, sustainable logistics, closed-loop supply chains, reverse logistics and sustainable supply chain strategy. Students work on a team project that evaluates the sustainable supply chain strategy of an industry or a publicly traded company.
Credit Hours: 3 Prerequisite Courses: SCM 370 Additional Restrictions/Requirements:

Prerequisite course and admission to Cameron School of Business.
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SCM 477 - Operations Planning and Scheduling

Course Description:
Application of scheduling in manufacturing and service organizations. Topics include machine scheduling, job shop scheduling, project scheduling, flexible assembly system scheduling, lot sizing and scheduling, interval scheduling, and personnel scheduling.
Credit Hours: 3 Prerequisite Courses: SCM 370 Additional Restrictions/Requirements:
Prerequisite course and admission to Cameron School of Business.
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SCM 478 - Supply Chain Modeling and Analysis

Course Description:
This course is designed to provide students with the conceptual tools to understand the structure and dynamics of complex systems by integrating performance measurement and modeling simulation methodologies. It provides the students with the solid understanding needed to effectively apply strategic management tools and techniques for increased performance and competitive advantage in businesses. Ultimately, it will prepare them to become effective systems analysts in the field.
Credit Hours: 3 Prerequisite Courses: SCM 370 Additional Restrictions/Requirements:
Prerequisite course and admission to CSB.
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SCM 491 - Directed Individual Study

Course Description:
Please enter a description.
Credit Hours: 3 Additional Restrictions/Requirements:
Junior or senior standing, consent of the department chair and admission to Cameron School of Business.
University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

SCM 495 - Seminar in Operations Management

Course Description:

This course may be repeated under a different subtitle.

Credit Hours: 1 To 3 Additional Restrictions/Requirements:

Junior or senior standing, consent of the department chair and admission to Cameron School of Business.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

SCM 498 - Internship in Operations Management

Course Description:

Involves the application of quantitative and systems skills developed in the academic environment to problems in a real-world operating environment. The participant will receive practical training and experience under the guidance of the staff of a local business or government organization and a faculty supervisor. Available internships are filled on a competitive basis.

Credit Hours: 1 To 6 Additional Restrictions/Requirements:

Consent of faculty supervisor and admission to Cameron School of Business.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

SCM 499 - Honors Work in Supply Chain Management

Course Description:

Independent work for honors students.

Credit Hours: 2 To 3 Additional Restrictions/Requirements:

Senior standing and admission to Cameron School of Business.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

Department of Management

https://csb.uncw.edu/mgt/index.html

The Department of Management provides courses and other academic support for the B.S. degree with concentrations in entrepreneurship and business development, human resource management, and management and leadership. The department is

also home to the international business concentration.
The entrepreneurship and business development concentration is designed to prepare students with the skills needed to launch their own business or to manage entrepreneurial initiatives for existing firms. EBD majors are challenged to pursue development of their own business ideas, seek employment with emerging ventures, and/or become involved in corporate entrepreneurship. The department also offers a minor in small business and social entrepreneurship for non-business majors.
The human resource management concentration equips students with the skills needed to maximize the efforts and productivity of the firm's human resources through effective recruitment, retention, organizational design, training and development, diversity, total compensation and performance management. Graduates are prepared for entry level careers in human resources management as well as more general management-oriented careers.
The management and leadership concentration prepares students to analyze competitors, motivate employee behavior and coordinate activities of complex business organizations. Particular emphasis is placed on ethical decision making, leadership skills, a global perspective, interpersonal capabilities, environmental analysis, goal setting, performance assessment and corporate governance.
The International Business concentration is designed for those students seeking career opportunities in internationally focused organizations or those students pursuing an extended or permanent work experience abroad. The International Business concentration has a cross-functional business focus and does not reside solely in any one Cameron School of Business department. Faculty members representing all departments work as a team to guide the program and advise students. Students have the choice of personalizing their international business concentration by adding a focus in a specific business function.

EBD 280 - Entrepreneurship for Non-Business Majors

Course Description:
Primary focus on the entrepreneurial mindset and the process for starting a business. Specific areas include the characteristics of successful entrepreneurs, profiles of successful new businesses, identifying and evaluating new business opportunities, and developing the business plan. Social and developmental entrepreneurship are also addressed.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Understanding Human

Institutions and Behaviors"] Course Repeatability: Course may not be repeated.

EBD 281 - Creativity and Innovation

Course Description:

Primary focus on the processes for fostering creativity and innovation. Emphasis on the creative process, creative problem solving, and intrapreneurship. Particular attention directed to the development of new products, services, processes, and business models.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

EBD 282 - Entrepreneurship for the Sciences and Engineering

Course Description:

This course introduces non-business, scientifically-oriented students to the process of creating new ventures and entrepreneurship in engineering and science intensive industries, such as chemical, energy, materials, bioengineering, environmental, clean-tech, pharmaceuticals, medical and biotechnology. Students gain a good sense of the excitement, complexity, and challenges associated with the creation of new businesses, whether within an existing organization or in a startup environment. The focus is on new ventures that require long development times, large investments, integration across a wide range of technical and non-technical disciplines, and the creation and protection of intellectual property. Teaching methods will include lectures, case studies, guest speakers and individual and team projects.

Additional Restrictions/Requirements:

This course is for non-business majors and students in the BA Economics program. Students pursuing a BSBA in the Cameron School may not take this course.

Course Repeatability: Course may not be repeated.

EBD 295 - Special Topics in Entrepreneurship

Course Description:

Seminar in selected topics in Entrepreneurship. This course does not fulfill requirements towards any major or concentration in the Cameron School of Business.

Credit Hours: 1 To 3 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

EBD 301 - Entrepreneurial Finance for Non-Business Majors

Course Description:

Course provides students with the knowledge and skills necessary to manage cash as well as manage the necessary records in a small business. Topics include: calculating startup costs, running a monthly, quarterly and annual budget for a business, understanding the different sources of capital and how to obtain them, projecting income and what investors, lenders and grant organizations look for in an entrepreneurial venture. SBIR/STTR funding, financial analysis and record-keeping necessary to comply with federal, state, and local tax law are also addressed.

Credit Hours: 3 Prerequisite or Corequisite Courses:

EBD 280 OR EBD 282

Additional Restrictions/Requirements:

This course is for non-business majors and students in the BA Economics program. Students pursuing a BSBA in the Cameron School may not take this course.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

EBD 302 - Managing & Marketing for Entrepreneurs

Course Description:

Focus on key organizational activities that facilitate the growth and management of an enterprise. Provides valuable information for effective marketing techniques designed to grow, compete, and sustain the business. Focus on managing human resources and the ability to strategically develop the business model as it progresses through growth phases. Focus on key organizational activities that facilitate the growth and management of an enterprise. Provides valuable information for effective marketing techniques designed to grow, compete, and sustain the business. Focus on managing human resources and the ability to strategically develop the business model as it progresses through growth phases. Students will also learn successful exit strategies for a business. Leadership, management, positioning, legal strategies, sales strategies, and scaling strategy are also addressed.

Credit Hours: 3 Prerequisite or Corequisite Courses:

EBD 280 OR EBD 282

Additional Restrictions/Requirements:

This course is for non-business majors and students in the BA Economics program.

Students pursuing a BSBA in the Cameron School may not take this course.
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

EBD 304 - Entrepreneurship in the Arts

Course Description:
This course will introduce and outline the role of "art" in various marketplaces, and how the emerging arts entrepreneur operates in society. Topics include how to position and market aesthetic products, the pricing of art products, understanding consumer behavior for aesthetic products, the modes of financing, and art patronage. Course will also examine the nature of art infrastructures, such as museums, festivals, and galleries, and the overall economics of the arts in modern society.
Prerequisite or Corequisite Courses:
EBD 280 or EBD 282
Course Repeatability: Course may not be repeated.

EBD 354 - Managing Innovation and Technology

Course Description:
Development and adoption of new technology in corporate operations. Attention directed to creating an environment that fosters continuous improvement through experimentation, innovation, and change. Topics include the nature of technology, its role in business strategy, technological forecasting, the creative process, organization and management of professional personnel, and project management techniques.
Credit Hours: 3 Additional Restrictions/Requirements:
Admission to Cameron School of Business.
Crosslisting:
MGT 354
Course Repeatability: Course may not be repeated.

EBD 380 - Entrepreneurship

Course Description:
Primary focus is understanding entrepreneurship as a process and phenomenon that occurs in many different contexts. The course approaches entrepreneurship as a way of thinking and acting, as an attitude and a behavior. Specific areas include

entrepreneuriial competencies (e.g., opportunity assessment and recognition techniques) and career paths, venture typologies, as well as basics of business and economic modeling, financing, marketing, legal and IP issues.
Credit Hours: 3 Prerequisite Courses:
Prerequisite or corequisite: ACG 203 .
Course Repeatability: Course may not be repeated

EBD 383 - Entrepreneurship Analytics

Course Description:
Students will develop the ability to build, analyze, and interpret data essential for recognizing attractive entrepreneurial opportunities. As the market place is constantly shifting, the major challenge is to iteratively combine different sources of data to comprehensively identify new offerings, customer preferences, and gaps in the market.
Credit Hours: 3 Prerequisite Courses:
EBD 380 .
Additional Restrictions/Requirements:
Admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.

EBD 393 - Corporate Entrepreneurship

Course Description:
All companies in all industries seek employees that have an entrepreneurial mindset because they are looking for growth and growth is difficult to generate. Emphasis is on how every job presents opportunities for entrepreneurship, and about different mechanisms that companies use to look for and implement new growth initiatives. The course content will include four parts. First, students will have the opportunity to develop a plan to find a job that will take advantage of entrepreneurial mindset. Next, students will learn how they can apply entrepreneurial mindset to any job. The third part will focus on corporate venture groups. The final part will focus on companies and how they can increase entrepreneurial orientation. Several concepts will be utilized to provide students with tools in their corporate entrepreneurial pursuits, for example: Design Thinking, Customer Relationship Management and Continuous Improvement Models.
Prerequisite or Corequisite Courses:

EBD 380

Additional Restrictions/Requirements:

Admission to Cameron School of Business

Course Repeatability: Course may not be repeated.

EBD 480 - Managing Emerging Ventures

Course Description:

Examination of the strategies for successful venture growth. Emphasis is placed on the challenges associated with maintaining a high rate of growth in relatively new firms. Particular attention directed to integrating strategic, operational and cultural issues. Students develop business plans for a new venture or business development. Extensive use of case analysis.

Credit Hours: 3 Prerequisite or Corequisite Courses:

EBD 380 .

Additional Restrictions/Requirements:

Admission to Cameron School of Business.

University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

EBD 481 - Entrepreneurial Finance and Valuation

Course Description:

Focus on financial planning and analysis, sources of funding, and business valuation. Particular attention directed to debt financing, valuation theory and techniques, due diligence, angel investing, venture capital funding, and public/private offerings. Extensive use of case study.

Credit Hours: 3 Prerequisite or Corequisite Courses:

EBD 380 .

Prerequisite Courses:

FIN 335 .

Additional Restrictions/Requirements:

Prerequisite courses and admission to Cameron School of Business.

Course Repeatability: Course may not be repeated.

EBD 482 - Global Entrepreneurship and Exporting

Course Description:

Primary focus on entrepreneurial activities within the international arena. Particular attention on the mechanisms of international entry modes, import and export management, licensing mechanisms, international financing, the impact of globalization, identifying business opportunities, risk assessment, legal and accounting implications of international activities, and international intellectual protection processes. Upon completion of this course, students will be qualified to take the Certified Global Business Professional (CGBP) exam.

Credit Hours: 3 Prerequisite Courses:

INB 300

Additional Restrictions/Requirements:

Prerequisite course and admission to Cameron School of Business.

Course Repeatability: Course may not be repeated.

EBD 490 - Business Development and Commercialization

Course Description:

Course focuses on commercialization of an early stage firm's product, technology and ideas. Issues such as scalability,licensing, intellectual property, project management, and the managerial side of expansion and growth will be studied. The course will also examine entrepreneurial activities commonly seen in coastal regions, such as marine science technologies, aquaculture, tourism, shipping, and other related activities. Extensive use of case study and field projects.

Credit Hours: 3 Prerequisite or Corequisite Courses:

EBD 380 .

Additional Restrictions/Requirements:

Admission to Cameron School of Business.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 3

EBD 491 - Directed Individual Study

Course Description:

For further information, consult the Directed Individual Studies section in this catalogue.

Credit Hours: 1 To 3 Additional Restrictions/Requirements:

Junior or senior standing, overall GPA of at least 3.00, consent of department chairman, and admission to Cameron School of Business.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

EBD 495 - Topics in Entrepreneurship and Business Development

Course Description:

Specific topics in entrepreneurship and business development not addressed in depth in other courses. May be repeated under a different subtitle.

Credit Hours: 1 To 3 Additional Restrictions/Requirements:

Admission to Cameron School of Business.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 3

EBD 498 - Internship in Entrepreneurship and Business Development

Course Description:

Involves the application of entrepreneurship and business development knowledge in a real world setting.

Credit Hours: 1 To 6 Prerequisite Courses: EBD 380 Additional Restrictions/Requirements:

Junior or senior standing, prerequisite course, and 3.00 GPA in the Cameron School of Business.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:

Additional Course Fee Schedule

EBD 499 - Honors Work in Entrepreneurship and Business Development

Course Description:

Independent work for honors students.

Credit Hours: 2 To 3 Additional Restrictions/Requirements:

Senior standing and admission to Cameron School of Business.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

MGT 295 - Special Topics in Management

Course Description:

Seminar in selected topics in management. This course does not fulfill requirements

towards any major or concentration in the Cameron School of Business.
Credit Hours: 1 To 3 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

MGT 350 - Principles of Management

Course Description:
Study of theories, research and concepts underlying the structure and processes of complex organizations. Emphasis on problem solving issues and applications in organization design, leadership, motivation and interpersonal communications.
Credit Hours: 3 Additional Restrictions/Requirements:
Sophomore standing or admission to the Cameron School of Business.
University Studies: ["Approaches and Perspectives/Living in Our Diverse Nation", "Approaches and Perspectives/Understanding Human Institutions and Behaviors"] Course Repeatability: Course may not be repeated.

MGT 351 - Green Business and Sustainable Enterprise

Course Description:
Examination of green business and sustainable enterprise from multiple perspectives. Emphasis on how organizations create a sustainable focus in their productive activities and successfully compete in the eco-friendly marketplace. Particular attention directed to regulatory trends that impact green enterprises, the development of sustainable technologies, and the management of entrepreneurial efforts in green industries.
Credit Hours: 3 Additional Restrictions/Requirements:
Junior Standing
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

MGT 352 - International Management

Course Description:
Study of management practices in the international business arena. Emphasis on the necessity of understanding global business interdependencies. Particular attention to developing sensitivity to other cultures, values, customs, and beliefs and their effects on business decisions and practices.
Credit Hours: 3 Prerequisite or Corequisite Courses:
MGT 350 .

Prerequisite Courses:

INB 300 .

Additional Restrictions/Requirements:

Prerequisite courses and admission to Cameron School of Business.

University Studies: ["Building Competencies/Writing Intensive"] Crosslisting:

INB 352

Course Repeatability: Course may not be repeated.

MGT 353 - People Analytics

Course Description:

This course will prepare students to create and properly analyze existing scales pertaining to workplace performance, training, engagement, employee satisfaction, turnover intentions and other outcomes from the field of talent acquisition, management, and development.

Credit Hours: 3 Prerequisite or Corequisite Courses:

MGT 356

Prerequisite Courses:

MGT 350

Additional Restrictions/Requirements:

BS Business Administration and Admission to Cameron School of Business

Course Repeatability: Course may not be repeated. Major Restriction: BS Business Administration

MGT 354 - Managing Innovation and Technology

Course Description:

Development and adoption of new technology in corporate operations. Attention directed to creating an environment that fosters continuous improvement through experimentation, innovation, and change. Topics include the nature of technology, its role in business strategy, technological forecasting, the creative process, organization and management of professional personnel, and project management techniques.

Credit Hours: 3 Additional Restrictions/Requirements:

Admission to Cameron School of Business.

Crosslisting:

EBD 354

Course Repeatability: Course may not be repeated.

MGT 355 - Ethics in Management

Course Description:

Every person will face a moral or ethical quandary at some juncture in a career. This course will help prepare today's graduates (future employees and managers) to think in a structured, orderly way about their obligations to their companies and to other people. Ethics experts argue students must develop the skills needed to convincingly present their moral point of view so they may ethically represent their organizations, safeguard their careers, and protect their societies. Students will explore historical and contemporary cases in managerial ethics applying theories of ethical reasoning. Topics will relate to ethical problems in business management, moral analysis and economic outcomes, legal requirements underscoring ethical management, ethical duties of managers and business owners, and practical/legal reasons businesses should be ethical. Students will discuss how to identify unethical conduct and how to appropriately respond to it. The link between ethics and corporate culture will be reinforced.

Credit Hours: 3 Prerequisite Courses:

MGT 350 .

Course Repeatability: Course may not be repeated.

MGT 356 - Human Resource Management

Course Description:

Evaluation of concepts and approaches used in human resource management and development. Study of manpower planning, selection procedures, performance review, compensation and benefits, equal employment/affirmative action factors, and labor relations. Emphasis is on how personnel specialists and operating managers can improve organizational performance.

Credit Hours: 3 Prerequisite Courses:

Prerequisite or Corequisite: MGT 350

Additional Restrictions/Requirements:

Admission to Cameron School of Business.

Course Repeatability: Course may not be repeated.

MGT 357 - Hospitality Management

Course Description:
The course provides a general overview of the hospitality industry and the issues related to successful management of businesses within this industry. In particular, these sectors include food service, lodging, entertainment, medical, and other related industries such as cruise lines and supplier industries. Special attention will be given to the hospitality sector in the Carolinas, and issues related to entrepreneurship within hospitality.
Credit Hours: 3 Additional Restrictions/Requirements:
Admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.

MGT 358 - Organizational Behavior

Course Description:
Application of behavioral science concepts in the management of organizations. Emphasis on increasing productivity on the individual, group, and organizational level. Particular attention directed to analyzing organizations, developing motivational programs, designing enriching jobs, leadership development, and managing organizational change.
Credit Hours: 3 Prerequisite or Corequisite Courses:
MGT 350 .
Additional Restrictions/Requirements:
Admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.

MGT 359 - Talent Acquisition

Course Description:
This is an advanced course designed for management and human resource students. Upon completion, students will be able to develop and execute a recruitment and selection plan that ensures the organization is able to attract and retain top talent in order to meet company objectives. Students will gain expertise in designing and conducting valid employment interviews. Attention is given to the legal environment, planning, and job analyses.
Credit Hours: 3 Prerequisite or Corequisite Courses:
MGT 356
Prerequisite Courses:

MGT 350

Additional Restrictions/Requirements:

BS Business Administration and Admission to Cameron School of Business.

Course Repeatability: Course may not be repeated. Major Restriction: BS Business Administration

MGT 452 - Leadership and Organizational Change

Course Description:

Study the processes associated with transforming organizations in a world of continuous change. Particular attention on leadership skills, ethics, organizational structure, and corporate culture with the shared purpose of fostering innovation, continuous improvement, and organizational performance.

Credit Hours: 3 Prerequisite or Corequisite Courses:

MGT 358 .

Prerequisite Courses:

MGT 356 .

Additional Restrictions/Requirements:

Prerequisite courses and admission to Cameron School of Business.

University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

MGT 453 - Leading Virtual Teams

Course Description:

Modern organizational structures require leaders to be able to design and cultivate effective and efficient collaboration in teams – whether co-located, distributed, virtual, or any combination thereof. This course presents the state-of-the-science of leading collaboration in today's digital workforce. The goal of this course is to develop the capacity to lead collaboratively, regardless of the context in which your team works. Understanding the core actions of leaders and how they shape needed team properties is crucial to success. The course will leverage a variety of tools to promote both skill and knowledge building: exercises, cases, readings, videos, discussions, a self-assessment, and guided self-reflection.

Credit Hours: 3 Prerequisite or Corequisite Courses:

MGT 350

Additional Restrictions/Requirements:

Admission to Cameron School of Business

Course Repeatability: Course may not be repeated. Major Restriction: BS Business Administration

MGT 455 - Competitive Strategy

Course Description:

A senior capstone course integrating the functional business areas of the firm. This course emphasizes strategic planning for competitive advantage, industry and competitor analysis, strategy formulation, globalization, implementation of strategies, and effective communication with various internal and external stakeholders of the firm. This course satisfies the oral competency requirement for the B.S. degree in business administration.

Credit Hours: 3 Prerequisite Courses:

BLA 361 and FIN 335 and INB 300 and MGT 350 and MIS 213 and MKT 340 and SCM 370

Additional Restrictions/Requirements:

Admission to Cameron School of Business, completion of all prerequisite courses, and completion of at least 9 hours in concentration before taking MGT 455. Students should plan on taking this course in their final semester of study.

University Studies: ["Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

MGT 456 - Employee and Labor Relations

Course Description:

Study of the current legislation affecting employee and labor relations, union organizing, collective bargaining, contract administration, union-management relations, and best practices in employee relations in both unionized and non-unionized environments.

Credit Hours: 3 Additional Restrictions/Requirements:

Admission to Cameron School of Business.

Course Repeatability: Course may not be repeated.

MGT 457 - Training & Talent Development

Course Description:

Understanding of the processes involved in developing, administering, and evaluating effective talent development programs that will increase the productivity of employees and organizations. Particular attention on assessing training needs, identifying learning objectives, and using technology in the delivery of talent

development programs.
Credit Hours: 3 Prerequisite or Corequisite Courses:
MGT 350 and MGT 356
Additional Restrictions/Requirements:
BS Business Administration and Admission to Cameron School of Business
University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated. Major Restriction: BS Business Administration

MGT 458 - Total Rewards

Course Description:
Examination of how compensation, benefits, motivation and evaluation systems can be used to enhance the satisfaction and performance of organizational talent. Particular attention on job analysis, job evaluation, pay levels and structures, pay for performance plans, performance appraisals, benefits, and general pay administration.
Credit Hours: 3 Prerequisite or Corequisite Courses:
MGT 356
Additional Restrictions/Requirements:
Admission to Cameron School of Business
Course Repeatability: Course may not be repeated.

MGT 459 - Negotiation

Course Description:
Study of theory, research and practice in negotiation. Topics include social dilemmas, distributive bargaining, integrative agreements, multiple-party scenarios, dispute resolution, third-party interventions and ethics. Negotiation exercises provide experience in a variety of contexts.
Credit Hours: 3 Additional Restrictions/Requirements:
Admission to Cameron School of Business.
Course Repeatability: Course may not be repeated.

MGT 491 - Directed Individual Study

Course Description:
Please enter a description.
Credit Hours: 1 To 6 Additional Restrictions/Requirements:

Junior or senior standing and consent of department chairperson and admission to Cameron School of Business.
University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

MGT 495 - Seminar in Management

Course Description:
This course may be repeated under a different subtitle.
Credit Hours: 1 To 3 Additional Restrictions/Requirements:
Junior or senior standing and consent of the department chairperson and admission to Cameron School of Business.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

MGT 498 - Internship in Management

Course Description:
Involves the application of management in a real world setting.
Credit Hours: 1 To 6 Prerequisite Courses: MGT 350 Additional Restrictions/Requirements:
Junior or senior standing, prerequisite course, 3.00 GPA in Cameron School of Business and admission to Cameron School of Business. For students seeking a HRM internship, MGT 356 must be completed.
University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

MGT 499 - Honors Work in Management

Course Description:
Independent work for honors students.
Credit Hours: 2 To 3 Additional Restrictions/Requirements:
Senior standing and admission to Cameron School of Business.
University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

Department of Marketing

https://csb.uncw.edu/mkt/index.html

The Department of Marketing provides courses and other academic support for the B.S. degree with concentrations in Marketing - Marketing Strategy, and Marketing - Professional Selling. Marketing is a dynamic discipline that thrives on change – changes in customer attitudes, purchasing
behaviors, demographics, competitors, technology, methods of
distribution, media, society, and culture. It is the driving force in building and sustaining meaningful customer relationships, creating and developing new markets, and building differentiated brands.
The curriculum educates and prepares students by providing the necessary knowledge, skills, and tools to make informed strategic marketing decisions in areas such as product/market selection, product and brand management, professional selling, sales force operations, integrated marketing communication, service quality, pricing, management of channels of distribution, and marketing research.
Faculty use case studies, lecture, role playing, and real-world application projects to supplement the text, and students are exposed to the latest marketing software tools that aid marketing decision making. Modern marketing decisions are based on statistical analysis, market tests, and other research techniques. Exercising analytical abilities, logic, communication skills, and creativity, the marketing concentration prepares students for a variety of challenging career opportunities such as professional selling, advertising, brand management, services marketing, social media marketing, retailing, international marketing, healthcare marketing, marketing research and analytics.

BUS 495 - Seminar in Business

Course Description:
This course may be repeated under a different subtitle.
Credit Hours: 1 To 3 Additional Restrictions/Requirements:
Junior or senior standing, consent of the department chairperson, and admission to Cameron School of Business.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

INB 294 - International Study Abroad

Course Description:
The course must be taken outside the U.S. and may consist of courses offered in the native language or in English that improve and enhance cultural understanding

and knowledge of the working environment of a different country. This course cannot be used to meet an IB concentration elective. Approval must be obtained by International Business Program Director.
Credit Hours: 1 To 3 University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

INB 295 - Special Topics in International Business

Course Description:
Seminar in selected topics in international business. This course does not fulfill requirements towards any major or concentration in the Cameron School of Business.
Credit Hours: 1 To 3 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

INB 300 - International Business

Course Description:
Survey course of the importance of global issues as firms attempt to compete across the world. Key topics include: anticipating and preparing for global competition, understanding international trade theory and differences in political economies, reviewing global and regional economic integration, considering international market entry processes, and examining key cross-cultural issues affecting business operations.
Credit Hours: 3 Prerequisite Courses:
ECN 222
Additional Restrictions/Requirements:
Junior or senior standing, prerequisite course, or admission to the Cameron School of Business.
University Studies: ["Approaches and Perspectives/Living in a Global Society", "Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated.

INB 352 - International Management

Course Description:
Study of management practices in the international business arena. Emphasis on the necessity of understanding global business interdependencies. Particular attention to developing sensitivity to other cultures, values, customs, and beliefs and

their effects on business decisions and practices.
Credit Hours: 3 Prerequisite or Corequisite Courses:
MGT 350 .
Prerequisite Courses:
INB 300 .
Additional Restrictions/Requirements:
Prerequisite course and admission to Cameron School of Business.
Crosslisting:
MGT 352
Course Repeatability: Course may not be repeated.

INB 377 - International Operations Management

Course Description:
A study of global operations and logistics in the manufacturing and service sectors. Topics include organization of global operations, global manufacturing, global sourcing and logistics, global technology transfer, global risk management, and cultural and national comparisons of operations management practices. Case studies are used.
Credit Hours: 3 Prerequisite Courses:
INB 300 and SCM 370
Additional Restrictions/Requirements:
Prerequisite courses and admission to Cameron School of Business.
Crosslisting:
SCM 377
Course Repeatability: Course may not be repeated.

INB 394 - International Study Abroad

Course Description:
The course must be taken outside the U.S. and may consist of courses offered in the native language or in English that improve and enhance cultural understanding of the working environment of a different country. Approval must be obtained by International Business Program Director.
Credit Hours: 1 To 3 Additional Restrictions/Requirements:
Junior or senior standing.
University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

INB 426 - International Trade and Finance

Course Description:

A consideration of international trade theory and international financial institutions, including comparative advantage, exchange rates and balance of payments problems.

Credit Hours: 3 Prerequisite Courses:

ECN 222 and INB 300

Additional Restrictions/Requirements:

Prerequisite courses and admission to Cameron School of Business.

Crosslisting:

ECN 426

Course Repeatability: Course may not be repeated.

INB 439 - Multinational Financial Management

Course Description:

An examination of the issues affecting the financial managers of multinational corporations. Topics include managing foreign exchange risk, international financial decisions, and factors affecting foreign direct investment.

Credit Hours: 3 Prerequisite Courses:

FIN 335 and INB 300

Additional Restrictions/Requirements:

Prerequisite courses and admission to Cameron School of Business.

Crosslisting:

FIN 439

Course Repeatability: Course may not be repeated.

INB 442 - International Marketing

Course Description:

Focus is on the special framework in which international marketing is conducted. Influence of international institutions, culture, stage of economic development, geography and demography are covered. Emphasis on multinational marketing problems and opportunities in an ever-changing world.

Credit Hours: 3 Prerequisite Courses:

INB 300 and MKT 340

Additional Restrictions/Requirements:

Prerequisite courses and admission to Cameron School of Business.

Crosslisting:

MKT 442

Course Repeatability: Course may not be repeated.

INB 491 - Directed Individual Study

Course Description:

Please enter a description.

Credit Hours: 1 To 6 Additional Restrictions/Requirements:

Junior or senior standing, consent of the international program director and admission to Cameron School of Business.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

INB 494 - International Business Study Abroad

Course Description:

This course must be taken outside the U.S. and may consist of courses offered in the native language or in English that improve and enhance cultural understanding and knowledge of the working environment of a different country. Approval must be obtained by the International Business Program Director.

Credit Hours: 1 To 3 Prerequisite Courses: INB 300 Additional Restrictions/Requirements:

Prerequisite course and admission to Cameron School of Business.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

INB 498 - Internship in International Business

Course Description:

Involves the application of international business education in organizations participating in some level of international business activity.

Credit Hours: 1 To 6 Prerequisite Courses: INB 300 Additional Restrictions/Requirements:

Prerequisite course, 3.00 GPA, consent of International Business Concentration Director, and admission to Cameron School of Business.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 9 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:

Additional Course Fee Schedule

MKT 241 - Marketing Consultancy

Course Description:
This course focuses on the unique marketing issues of a client company, equipping students with the skills and knowledge necessary to excel in the dynamic field of marketing consulting. With the application of theoretical frameworks and tactical tools, students will learn to analyze market trends, develop strategic marketing plans, and provide actionable insights to the client company.
Credit Hours: 1 Course Repeatability: Course may not be repeated.

MKT 248 - Sales Essentials

Course Description:
Examination of the theory and practice of sales skills designed to provide a professional foundation to students who will be involved in professional selling careers. Includes fundamentals of professional selling with an emphasis on self-confidence, persuasive presentation of ideas and products, customer orientation, and other selling behaviors. Familiarize students with the role of selling in the promotional mix, practice presentation skills to be successful in professional selling, overcome objections, and close the sale.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

MKT 295 - Special Topics in Marketing

Course Description:
Seminar in selected topics in marketing. This course does not fulfill requirements towards any major or concentration in the Cameron School of Business.
Credit Hours: 1 To 3 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

MKT 331 - Marketing Competition

Course Description:
Students gain real-world experience through engagement in internal and external marketing competitions. Students develop essential creative and analytical skills and business acumen while interacting with business professionals.
Credit Hours: 1 Prerequisite Courses:
MKT 340 with a grade of C- or better

Additional Restrictions/Requirements:

Permission of instructor.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 3 Repeat Limit: 2

MKT 340 - Principles of Marketing

Course Description:

Introduction to the concepts, activities and decisions that relate to the marketing function in domestic and international business. Focus on development and implementation of marketing strategies through the use of marketing mix variables of product, price, distribution, and promotion.

Credit Hours: 3 Additional Restrictions/Requirements:

Sophomore standing or admission to the Cameron School of Business.

Course Repeatability: Course may not be repeated.

MKT 341 - Sales Competition

Course Description:

Students gain real-world experience through engagement in internal and external sales competitions. Role play scenarios involving Sales Center partners and local businesses encourage students to develop essential sales skills and business acumen while interacting with business professionals.

Credit Hours: 1 To 3 Prerequisite Courses:

MKT 348 .

Additional Restrictions/Requirements:

Instructor approval. Note: this course does not count as a Marketing concentration elective. Students may need to travel.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 3 Repeat Limit: 3

MKT 342 - Social Media Marketing

Course Description:

Survey course of the unique aspects of marketing through social media. Focus is on the application of new and emerging social media communication systems and practices that are becoming major elements in integrated marketing communication programs.

Credit Hours: 3 Prerequisite Courses:

MKT 340 with a minimum grade of C-.

Additional Restrictions/Requirements:

Admission to Cameron School of Business

Course Repeatability: Course may not be repeated. Major Restriction: Bachelor of Science in Business Administration Minor Restriction: none

MKT 343 - Content Marketing

Course Description:

Develop various forms of strategic marketing content that resonate with target audiences and help achieve marketing campaign objectives. Emphasis on curating and optimizing marketing content, including how to analyze, measure, track and report results against key performance indicators (KPIs).

Credit Hours: 3 Prerequisite Courses:

MKT 340 with a grade of C- or better

Additional Restrictions/Requirements:

Prerequisite course and admission to Cameron School of Business.

University Studies: ["Building Competencies/Writing Intensive/Information Literacy"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

MKT 344 - Branding

Course Description:

This course focuses in depth on the development, cultivation and evolution (and death) of brands. The goal of this course is to prepare students to understand how build brand assets and create an enduring advantage for brands in the marketplace. Focus is applied with a multi-industry and interdisciplinary perspective.

Credit Hours: 3 Prerequisite Courses:

MKT 340 .

Additional Restrictions/Requirements:

Admission to the Cameron School of Business.

Course Repeatability: Course may not be repeated. Major Restriction: Admission to the Cameron School of Business

MKT 345 - Sports & Sponsorship Marketing

Course Description:

An overview of the marketing of sports at the professional and collegiate levels, as well as the use of sport sponsorships by commercial enterprises to help market

products and services. The course will cover topics related to the economics of sports, the creation and management of sports brands, and the use of the marketing mix to increase the participation and consumption of sports products. Students will also learn how to utilize sponsorship activities, such as licensing, endorsements, and venue-naming rights, to create enduring emotional connections between sport properties and consumers.

Credit Hours: 3 Prerequisite Courses:

MKT 340 with a grade of C- or better

Additional Restrictions/Requirements:

Prerequisite course and admission to Cameron School of Business.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

MKT 346 - Retail Management

Course Description:

Examination of the principles and methods of retailing. Study of social, political, ethical, and economic environments. Emphasis on market segmentation, merchandising, and managerial control.

Credit Hours: 3 Prerequisite Courses:

MKT 340

Additional Restrictions/Requirements:

Prerequisite course and admission to Cameron School of Business.

Course Repeatability: Course may not be repeated.

MKT 347 - Promotion Management

Course Description:

Integrated marketing communications with an emphasis on advertising, public relations, direct marketing, and sales promotion, as a component of the marketing mix and overall organizational strategy from the perspective of the marketer, advertiser, agency, consumer and public.

Credit Hours: 3 Prerequisite Courses:

MKT 340

Additional Restrictions/Requirements:

Prerequisite course and admission to Cameron School of Business.

Course Repeatability: Course may not be repeated.

MKT 348 - Professional Selling

Course Description:

Examination of the theory and practice of sales skills designed to provide a professional foundation to students who will be involved in professional selling careers. Includes fundamentals of professional selling with an emphasis on self-confidence, persuasive presentation of ideas and products, customer orientation, and other selling behaviors.

Credit Hours: 3 Prerequisite Courses:

MKT 340

Additional Restrictions/Requirements:

Prerequisite course and admission to Cameron School of Business.

Course Repeatability: Course may not be repeated.

MKT 349 - Consumer Behavior

Course Description:

Behavioral science concepts and principles and how they contribute to effective and efficient marketing activities from the perspective of the consumer, marketer and public policy maker.

Credit Hours: 3 Prerequisite Courses:

MKT 340

Additional Restrictions/Requirements:

Prerequisite course and admission to Cameron School of Business.

Course Repeatability: Course may not be repeated.

MKT 440 - Marketing Analytics

Course Description:

Focuses on the role of evidence-based data in decision-making and how to leverage data as a strategic asset. Emphasis on the predictive potential of data by translating vast amounts of complex data into manageable information in order to make sound decisions. The effective use of marketing metrics offers insights into customer preferences and trends and allows for the detection of patterns, the making of new associations, and the acquisition of a deeper understanding of customers.

Credit Hours: 3 Prerequisite or Corequisite Courses:

MKT 343 with a grade of C- or better

Additional Restrictions/Requirements:

BS Business Administration and Admission to Cameron School of Business

Course Repeatability: Course may not be repeated. Major Restriction: BS Business Administration

MKT 441 - Sales Strategy and Technology

Course Description:

Focus is on key areas of modern sales technologies, changing markets, and specialized sales tactics. This course encompasses the capture and storage of data by sales professionals for assessing sales analytics to better meet customer needs. An examination of effective negotiation techniques, market analysis, the structure of B2B markets and newly emerging sales technologies and tactics is provided.

Credit Hours: 3 Prerequisite Courses:

MKT 348 .

Additional Restrictions/Requirements:

Prerequisite courses and admission to Cameron School of Business.

Course Repeatability: Course may not be repeated.

MKT 442 - International Marketing

Course Description:

Focus is on the special framework in which international marketing is conducted. Influence of international institutions, culture, stage of economic development, geography and demography are covered. Emphasis on multinational marketing problems and opportunities in an ever-changing world.

Credit Hours: 3 Prerequisite Courses:

MKT 340 and INB 300

Additional Restrictions/Requirements:

Prerequisite course and admission to Cameron School of Business.

Crosslisting:

INB 442

Course Repeatability: Course may not be repeated.

MKT 443 - Marketing Research Design

Course Description:

The development and utilization of the marketing research process and the components of a marketing research project for business decisions. Emphasis on

the collection of qualitative and quantitative data to solve a specific business problem or identify opportunities used to develop and evaluate courses of marketing action.

Credit Hours: 3 Prerequisite or Corequisite Courses:

MKT 343 with a grade of C- or better

Additional Restrictions/Requirements:

BS Business Administration and Admission to Cameron School of Business

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3 Major Restriction: BS Business Administration

MKT 444 - Digital Marketing Analytics

Course Description:

Focus of the class will be on learning digital marketing skills and applying them to create effective marketing strategies. Emphasis is on project-oriented assignments with an application to real-world scenarios. Offers insight into a variety of digital promotional channels, such as search engine optimization (SEM), search engine marketing (SEM), mobile marketing, and social media marketing, as well as the analytics of their effectiveness.

Credit Hours: 3 Prerequisite or Corequisite Courses:

MKT 343

Additional Restrictions/Requirements:

Prerequisite or co-requisite course and admission to Cameron School of Business.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

MKT 445 - Marketing Strategy

Course Description:

Concepts of Demand Analysis, formulating marketing strategy, establishing policies and procedures, coordinating marketing action, and evaluating performance.

Credit Hours: 3 Prerequisite Courses: MKT 343 Additional Restrictions/Requirements:

Senior standing, prerequisite course, and completion of an additional 9 hours of upper division marketing courses.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

MKT 446 - Health Care Marketing

Course Description:

Survey course providing a comprehensive overview of the unique aspects of medical and health care marketing environments. Emphasis is on quantitative and qualitative data to support strategic and tactical marketing recommendations regarding health care. The course examines various types of health care organizations and offers marketing solutions to providers.

Credit Hours: 3 Prerequisite Courses:

MKT 340 with a minimum grade of C-.

Additional Restrictions/Requirements:

Admission to Cameron School of Business

Course Repeatability: Course may not be repeated. Major Restriction: Bachelor of Science in Business Administration

MKT 447 - Services Marketing

Course Description:

A study of the marketing of services with emphasis on the distinctions that exist between marketing intangibles and tangible products. The managerial implications and strategies available in services marketing are also examined.

Credit Hours: 3 Prerequisite Courses:

MKT 340

Additional Restrictions/Requirements:

Prerequisite course and admission to Cameron School of Business.

Course Repeatability: Course may not be repeated.

MKT 448 - Sales Management

Course Description:

Focus on developing and maintaining an effective sales organization. Emphasis on the role of the salesperson, motivating the sales force, and designing and implementing selling strategies.

Credit Hours: 3 Prerequisite Courses:

MKT 348

Additional Restrictions/Requirements:

Prerequisite course and admission to Cameron School of Business.

Course Repeatability: Course may not be repeated.

MKT 449 - Advanced Sales

Course Description:

The purpose of this class is to prepare students for an entry-level professional selling position beyond the scope of the introductory Professional Selling class. Students will gain advanced instruction and skill development in interpersonal communication skills, career management, unique value, team selling, personal productivity, negotiation, and other relevant topics.

Credit Hours: 3 Prerequisite Courses:

MKT 348 , MKT 340 , Admission to Cameron School of Business.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Additional Course Fees: ["None"]

MKT 459 - International Consultancy

Course Description:

This course focuses on the application of financial valuation and market strategy of a project for a firm in central Europe.

Credit Hours: 3 Prerequisite Courses:

FIN 335 and MKT 340

Additional Restrictions/Requirements:

BS Business Administration and Admission to Cameron School of Business

Course Repeatability: Course may not be repeated. Major Restriction: BS Business Administration

MKT 491 - Directed Individual Study

Course Description:

Please enter a description.

Credit Hours: 1 To 6 Additional Restrictions/Requirements:

Junior or senior standing and consent of the department chairperson and admission to Cameron School of Business.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

MKT 495 - Seminar in Marketing

Course Description:

Special topics in marketing not addressed in depth in other courses. May be repeated under a different subtitle.

Credit Hours: 1 To 3 Prerequisite Courses: MKT 340 Additional Restrictions/Requirements:

Prerequisite course and admission to Cameron School of Business.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

MKT 498 - Internship in Marketing

Course Description:

Please enter a description.

Credit Hours: 1 To 6 Prerequisite Courses: MKT 340 Additional Restrictions/Requirements:

Senior standing, prerequisite course plus 6 additional hours in marketing, 3.00 overall GPA, and admission to Cameron School of Business.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

MKT 499 - Honors Work in Marketing

Course Description:

Independent work for honors students.

Credit Hours: 2 to 3 Additional Restrictions/Requirements:

Senior standing and admission to Cameron School of Business.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

–Cameron School of Business

College of Health and Human Services

http://www.uncw.edu/chhs/

Jack C. Watson II, *dean*

Chris Lantz, *associate dean for academic affairs*

The College of Health and Human Services (CHHS) was established as the doorway for the University of North Carolina Wilmington to make a positive impact on the health and quality of life of residents of the state of North Carolina and beyond. In line with the U.S. Department of Health and Human Services, the overarching goal of the CHHS is to help individuals, families and communities live

healthier, more prosperous and more productive lives.
We strive to accomplish this goal through excellence in teaching, scholarship and service. Faculty, staff and students within CHHS are passionate about the development, dissemination and application of knowledge that can enhance health and quality of life, especially within underserved communities and populations of our state, region, nation and world.
CHHS consists of three professional schools: School of Health and Applied Human Sciences, School of Nursing, and School of Social Work. These Schools offer degree programs in nursing, clinical research and product development, social work, athletic training, exercise science, gerontology, public health, healthful living and fitness education, recreation therapy, and recreation, sport leadership and tourism management. Several of these programs have achieved rigorous national accreditation.
Our commitment to applied learning enables our students to develop and apply knowledge regarding health and human services while recognizing and building upon the innate strengths and dignity of individuals and communities in which they work. In this, we prepare the highest quality professional who possesses a unique understanding of how to synthesize knowledge in interprofessional teams to address real community problems.

Our Vision

We enhance health and quality of life.

Our Mission

We create transformative learning experiences, advance knowledge through research and scholarly activity, and engage local and global communities.

Our Shared Values

We are a learning organization that intentionally cultivates a diverse, inclusive, interprofessional, student-centered, healthful culture of excellence. In this context, our work is guided by the following values:
• *Collaboration*

• *Empowerment*
• *Innovation*
• *Passion*
• *Social Responsibility*
• *Sustainability*
• *Trust*
• *Vitality*

WPAL 101 - WPAL 101 - Wellness and Physical Activity Lab - Olsen

Course Description:

Participation in physical activity, increased awareness and development of using physical activity to enhance all aspects of well-being, increased awareness and development of a well-rounded lifestyle. Physical Activity and Wellness LAB is a 1-credit course. The purpose of this course is threefold: 1) to provide you with instruction and guidance during participation in lifetime physical activities (i.e., cardiovascular, resistance and flexibility) to improve your fitness, health and wellness, 2) to recognize the multidimensional nature of wellness and its reciprocal relationship with physical activity, and 3) to enhance self-awareness and self-management skills associated with lifelong physical activity. Course activities and assignments are specifically designed to improve your knowledge, beliefs, motivations, skills, and behaviors to aid in your lifetime journey of being active.

Credit Hours: 1 Prerequisite or Corequisite Courses:

WPA 101

Additional Restrictions/Requirements:

Prerequisite for online lecture/lab sections: Extension student status. Prerequisite for online lab sections: Permission of instructor.

University Studies: ["Lifetime Wellness"] Course Repeatability: Course may not be repeated.

School of Health and Applied Human Sciences

http://www.uncw.edu/shahs

The mission of the School of Health and Applied Human Sciences (SHAHS) is to promote the health and wellbeing of all persons through exemplary preparation of

future professionals, scholarly activity, and community engagement.
The School of Health and Applied Human Sciences (SHAHS) is one of three schools (along with the School of Social Work and the School of Nursing) in the College of Health and Human Services (CHHS). The SHAHS has six undergraduate degree programs: Public Health; Exercise Science; Healthful Living & Fitness Education; Tourism, Recreation & Sport, Recreation Therapy and Respiratory Therapy. Minors are offered in Gerontology; Whole Health and Wellness Studies; Tourism, Recreation & Sport, Yoga Studies and Assistance Dog Training. At the graduate level, the SHAHS has a Master's of Science degree in Athletic Training, a Master of Healthcare Administration, a Master of Science degree in Applied Gerontology, a post-baccalaureate certificate in Gerontology, and 4+1 degree programs (Bachelors / Masters) with Public Health / Gerontology, Recreation Therapy / Gerontology, Exercise Science / Gerontology and Tourism, Recreation & Sport / Gerontology, collaborates with CSE in a 4 + 1 degree program with Psychology / Gerontology, and supports a Masters of Arts in Teaching (MAT) and a Masters of Education concentration in Physical Education and Health through the Watson College of Education. The SHAHS also sponsors the Physical Activity and Wellness program (WPA/L 101), which serves as the university wellbeing requirement.
Regardless of the degree program that interests you the most, you will find that each will challenge you intellectually, experientially, and academically. Our faculty members are committed to our students and provide them with deeply engaging curricular and co-curricular experiences through participation in research, community service/service learning, field experiences, and study-abroad programs. Many of our students pursue graduate education in a wide range of healthcare options, including physical and occupational therapy, medicine, physician assistant, accelerated nursing, among many others. Those who enter the workforce directly have gone on to careers in healthcare facilities, fitness professions, K12 schools and various governmental and nonprofit agencies, and leisure services, including hospitality and tourism.

Public Health, B.S.

https://www.uncw.edu/hahs
The Public Health program at the University of North Carolina Wilmington is one of the first four standalone baccalaureate programs in the United States to be

accredited by the Council for Education in Public Health. Students graduating from the program work with communities and individuals to protect, maintain and enhance, health and quality of life. Students complete the public-health core courses that provide a strong foundation in the Public Health Domains, the U.S. Public Health System, global health issues, factors impacting human health and disease, epidemiology, population-based and individual approaches to health enhancement, public health data sources, health policy, health law, health communication, and much more. Then, students must select one of four concentrations:

1. Community Health Education – prepares students to assess, plan, implement and evaluate programs that are designed to enhance individual and community health and wellbeing;
2. Pre-Clinical Health – prepares students with a strong science background for continuing study in medicine, dentistry, physician assistant, physical therapy, nutrition, nursing, etc.;
3. Global Health – prepares students for careers working in developing low- and middle-income countries to improve health and quality of life; or
4. Gerontology - prepares students for public health careers working with an older adult population.

Public Health professionals work in a variety of settings, including hospitals, non-profit organizations, government agencies, doctors' offices, business & industry, and colleges/universities.

Upon graduation, those with concentrations in Community Health Education and Global Health are eligible to take a national exam to become Certified Health Education Specialists (CHES®). Those in the Global Health concentration may also opt to obtain a Pre-Peace Corps Prep Certificate. Those in the Gerontology concentration and meeting the minimum admissions requirements can apply to complete one additional year of study and receive a MS degree in Gerontology.

Exercise Science, B.S.

Program Coordinator: Alex McDaniel, DHSc, LAT, CSCS | Program Coordinator & Associate Professor

(Exercise Science, B.S. Details | UNCW)

The Exercise Science program is a competency-driven curriculum for students who are interested in applying the scientific principles of exercise, fitness, health and wellness within the clinical, government, corporate, industrial, private, commercial and academic venues. Exercise Science students must complete the exercise science core courses and then, choose one of two concentrations: The Allied Health

concentration or The Exercise Physiology Certification concentration. The Allied Health concentration provides a platform leading to careers such as, but not limited to, physical therapy, physician assistant, occupational therapy and clinical exercise physiology. The Exercise Physiology Certification concentration, when combined with nationally-recognized certifications, leads to careers such as, but not limited to, personal training, strength and conditioning specialist, commercial/corporate employee fitness director and exercise physiologist.

Gerontology Minor

Program Coordinator: Tina Newsham, Ph.D. | Program Coordinator & Professor (Gerontology Minor | UNCW)
The School of Health and Applied Human Sciences offers an interdisciplinary minor in gerontology that focuses on the study of older adults and the aging process. The minor draws on courses from a variety of disciplines, such as sociology, psychology, public health, recreation therapy, gerontology, and social work. The minor is designed for students with a general interest in aging, and will help prepare students for careers that involve working with older adults. Students are encouraged to obtain field experience in local agencies serving older adults. Students should contact the coordinator for additional information.

Healthful Living and Fitness Education, B.A.

Program Coordinator: Amelia (Kit) Huelskamp, Ph.D., M.A. | Program Coordinator & Associate Professor
(Healthful Living & Fitness Education Details | UNCW)
The Healthful Living and Fitness Education program is designed for students who want to enter K12 teaching or the health, wellness and fitness industries. Students must complete the core courses and then, choose from one of two concentrations: the K12 Teacher Licensure concentration or the Lifetime Fitness and Health concentration. The K12 Teacher Licensure concentration is accredited by the Council for the Accreditation of Educator Preparation (CAEP), and prepares students to teach, coach and assume leadership positions in K12 schools. The Lifetime Fitness and Health concentration prepares students for a career in the health and fitness industry. A Master of Education (MED) degree and a Master of

Arts in Teaching (MAT) are also offered, in conjunction with the Watson College of Education.

Recreation Therapy, B.A.

Program Coordinator: Brent Hawkins, Ph.D. | Program Coordinator & Associate Professor
(Recreation Therapy, B.A. Details | UNCW)
Graduates in recreation therapy (RT) are trained to utilize recreation activities and other active treatment modalities to increase the functional abilities and quality of life of people of all ages with disabilities and illnesses, such as cognitive impairments, intellectual and developmental disabilities; behavioral health issues including substance abuse, physical disabilities and diseases; and dementia and other illnesses related to aging. RT complements other allied health professions and therapies to address clients' adjustment to illness and disability and educate them for healthy living. In addition, graduates in RT can pursue graduate degrees in RT or other allied health and human services professions if desired.
The purpose of the baccalaureate program in RT is to prepare graduates who possess the knowledge, skills and competencies to practice RT in healthcare and human service settings and be leaders in the field of RT and healthcare. This preparation places a priority on the development of skills through in- and out-of-class applied learning experiences, practicum, internships, and community engagement. Furthermore, student outcomes emphasize critical thinking and evidence-based practice as means of assisting clients and organizations in reaching their goals and maximizing the quality of life of individuals served. To be eligible to practice RT, graduates must be credentialed as Licensed Recreational Therapists (LRT) by the North Carolina Board of Recreational Therapy Licensure and Certified Therapeutic Recreation Specialists (CTRS) by the National Council for Therapeutic Recreation Certification (NCTRC). Licensure and certification are obtained by completing a bachelor's degree in RT and receiving a passing score on the NCTRC national certification exam.

Tourism, Recreation, and Sport, B.A.

http://www.uncw.edu/shahs/academic/recreationsporttourism.html

The Mission of the Tourism, Recreation and Sport baccalaureate program is to provide students with a comprehensive educational and practical experience thereby producing exemplary, competent and ethical professionals qualified to work and lead in the leisure industry and make positive contributions in their community. Graduates from this program serve as qualified professionals providing leisure opportunities and experiences for individuals from all walks of life to enhance their overall health, well-being and quality of life. The program faculty are highly qualified, experienced and committed to student success. The program curriculum meets the highest standards of academic rigor, professionalism and ethical conduct. Students enrolled in the program participate in faculty research, international and domestic travel opportunities and experiential, applied and service learning experiences. The program’s core values are honesty, ethical behavior, innovation, creativity, responsibility and engagement. The program’s tourism, hospitality and events concentration prepares students to work for travel agencies, cruise ships, convention and visitor centers, theme parks, event planning agencies, resorts and other tourism, hospitality and event planning organizations. The program’s sport and recreation concentration prepares students to work in university campus recreation and intramurals, YMCA athletic programming, sport athletic associations and other public and non-profit organizations.

Exercise Science and Applied Gerontology, Bachelor's/Master's Combined Program

Program Coordinator: Tina Newsham, Ph.D. | Program Coordinator & Professor (4 +1 Combined Programs | UNCW)

Recreation Therapy and Applied Gerontology, Bachelor's/Master's Combined Program

Program Coordinator: Tina Newsham, Ph.D. | Program Coordinator & Professor (4 +1 Combined Programs | UNCW)

Public Health and Applied Gerontology, Bachelor's/Master's Combined Program

Program Coordinator: Tina Newsham, Ph.D. | Program Coordinator & Professor
(4 +1 Combined Programs | UNCW)

Yoga Studies Minor

http://www.uncw.edu/hahs

Assistance Dog Training Minor

Program Coordinator: Brent Hawkins, Ph.D. | Program Coordinator & Associate Professor
(Assistance Dog Training Minor | UNCW)
The School of Health and Applied Human Sciences offers an interdisciplinary minor in assistance dog training. The minor is designed to prepare students to be assistance dog trainers and to use animal assisted interventions in a variety of settings, such as schools, hospitals, and long-term facilities. Course work requires field experience working with assistance dogs in-training and individuals with disabilities. Students are accepted into the minor after successfully completing RTH 378 Advanced Assistance Dog Training I. Students should contact the coordinator for more information.
Total hours for the minor: 18 credit hours.
Students completing the Assistance Dog Training Minor are expected to:

1. Demonstrate an understanding of the various roles, responsibilities, and laws related to assistance dogs and animal assisted-interventions, including animal-assisted activities, animal-assisted education, and animal-assisted therapy;
2. Demonstrate the ability to apply animal behavior theories to training assistance dogs;
3. Demonstrate the ability to train an assistance dog to perform public access skills;
4. Demonstrate the ability to apply the concepts used in the classroom to train an assistance dog, appropriately place an assistance dog with a client, and train an assistance dog recipient to handle his or her assistance dog.
5. Demonstrate knowledge of and ability to use a facility dog (or other animal) to work with individuals or groups in a healthcare facility or school to accomplish client/student-centered goals.

Respiratory Therapy B.S.

https://uncw.edu/academics/majors-programs/chhs/respiratory-therapy-bs/details/
Graduates in respiratory therapy (RSP) will be prepared to become highly competent healthcare practitioners who display professional excellence, integrity and skills for life-long learning. Respiratory care requires not only technical expertise, but also humane, empathetic and professional behavior directed towards patient-centered care in an inter-professional healthcare setting. The program prepares graduates with demonstrated competence in the cognitive (knowledge), psychomotor (skills), and affective (behavior) domains of respiratory care practice as performed by registered respiratory therapists (RRT's).

Respiratory therapists are part of an interprofessional health care team that promote the health outcome for patients served in acute care hospitals, diagnostics labs, physician offices and additional health care settings. Respiratory therapists work under the direct supervision of a physician and compliment other allied health professions and therapies to address cardiopulmonary wellness & rehabilitation through education, equipment and expertise. In addition, graduates in respiratory therapy can pursue graduate degrees in respiratory care leadership, education, and clinical residency.

The purpose of the baccalaureate program in respiratory therapy is to prepare students for the scope of practice in the respiratory therapy profession. In addition, the program is designed to provide a foundation for graduate respiratory therapy education. Through interactions with clients–individual persons, families and communities–and other health care professionals, respiratory therapy graduates will contribute toward meeting the wide-ranging needs of the region, state, and the larger community. The program of study for the Respiratory Therapy as described in this catalogue, is consistent with national accreditation standards outline by CoARC in pursuit of full accreditation.

Tourism, Recreation, and Sport Minor

Program Coordinator: Alexia Franzidis, Ph.D. | Program Coordinator & Associate

Professor
(Tourism, Recreation, & Sport Minor | UNCW)

Tourism, Recreation and Sport and Applied Gerontology, Bachelor's/Master's Combined Program

Program Coordinator: Tina Newsham, Ph.D. | Program Coordinator & Professor
(4 +1 Combined Programs | UNCW)

Whole Health and Wellness Studies Minor

Program Coordinator: Michelle Cathorall, Dr.PH., MPH | Program Coordinator & Associate Professor
(Whole Health & Wellness Studies Minor | UNCW)
The School of Health and Applied Human Sciences offers a Whole Health and Wellness Studies minor, which provides students with a strong foundation of health and wellness content knowledge and skills to facilitate healthy living both personally and professionally. The minor reflects the multi-dimensional nature of health and wellness while providing students opportunities to select from a variety of interdisciplinary elective courses that meet both their personal and professional wellness goals.

Health and Wellness Coaching Minor

The School of Health and Applied Human Sciences offers a Health and Wellness Coaching. The minor will provide students with a strong foundation in health and wellness coaching skills and health content knowledge to facilitate healthy living both personally and professionally.
The minor will reflect the multi-dimensional nature of health and wellness through inclusion of a strong core and a health content elective pool. Core courses focus on the knowledge and skills necessary to be a competent health coach while elective options focus on health topic content. The knowledge and skills acquired through the minor are transferrable to a wide variety of careers.

ATR 210 - Introduction to Athletic Training

Course Description:

Introduction to the profession of athletic training. Topics will cover: injury/illness prevention and wellness protection, clinical evaluation and diagnosis, immediate and emergency care, treatment and rehabilitation, organizational and professional health and well-being. Lecture and laboratory skill practice included.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

ATR 211 - Care and Prevention of Athletic Injuries

Course Description:

This course will focus on acquiring knowledge and applying foundational concepts of athletic training in the areas of anatomy and kinesiology, general pathology of injury, injury prevention strategies and risk management techniques. Lecture and laboratory skill practice included.

Credit Hours: 3 Additional Restrictions/Requirements:

Restricted to ATR majors.

Course Repeatability: Course may not be repeated.

ATR 220 - Functional and Structural Kinesiology

Course Description:

Prerequisite: BIO 201 ; Corequisites: BIO 240 , BIOL 240 and BIO 241 , BIOL 241 or EXS 216 , EXSL 216 and EXS 217 . This course is designed to provide students with a foundation of structural anatomy and basic kinesiology concepts, with a focus on anatomy of the skelton, muscles, and ligaments in relation to functional human movement.

Credit Hours: 3 Corequisite Courses:

BIO 240 and BIOL 240 and BIO 241 and BIOL 241 and EXS 216 and EXSL 216 and EXS 217

Prerequisite Courses:

BIO 201

Course Repeatability: Course may not be repeated.

ATR 300 - Seminar with Allied Health Care Professionals

Course Description:

Introduce athletic training students to various allied health care professionals from different settings. Must take six total credits over six semesters.

Credit Hours: 1 Additional Restrictions/Requirements:

Restricted to ATR majors or consent of instructor.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

ATR 302 - Therapeutic Modalities in Athletic Training

Course Description:

Theoretical fundamentals of therapeutic interventions with regard to the evidenced-based practice of therapeutic modalities. Lecture and laboratory skill practice included.

Credit Hours: 3 Corequisite Courses:

ATR 305 and ATR 307

Prerequisite Courses:

ATR 304 and ATR 306

Additional Restrictions/Requirements:

Restricted to ATR majors.

Course Repeatability: Course may not be repeated.

ATR 303 - Therapeutic Rehabilitation in Athletic Training

Course Description:

Theoretical fundamentals of therapeutic interventions with regard to the evidence-based practice of physical rehabilitation and psychosocial strategies relating to the injury process. Lecture and laboratory skill practice included.

Credit Hours: 3 Corequisite Courses:

ATR 448

Prerequisite Courses:

ATR 302 and ATR 305 and ATR 307

Additional Restrictions/Requirements:

Restricted to ATR majors.

Course Repeatability: Course may not be repeated.

ATR 304 - Evaluation of Athletic Injuries I

Course Description:

Theoretical fundamentals of clinical evaluation and diagnosis with regard to evidence-based practice of orthopedic injuries to the spine and lower extremity. Lecture and laboratory skill practice included.

Credit Hours: 3 Corequisite Courses:

ATR 306 and BIO 241

Prerequisite Courses:

ATR 211 and BIO 240

Additional Restrictions/Requirements:

Restricted to ATR majors.

Course Repeatability: Course may not be repeated.

ATR 305 - Evaluation of Athletic Injuries II

Course Description:

Theoretical fundamentals of clinical evaluation and diagnosis with regard to evidence-based practice of orthopedic injuries to the spine and upper extremity. Lecture and laboratory skill practice included.

Credit Hours: 3 Corequisite Courses:

ATR 302 and ATR 307

Prerequisite Courses:

ATR 304 and ATR 306

Additional Restrictions/Requirements:

Restricted to ATR majors.

Course Repeatability: Course may not be repeated.

ATR 306 - Clinical I in Athletic Training

Course Description:

This course will assess students on the clinical applications of acute care management of injuries and illnesses including planning, examination and immediate care of emergent conditions. Minimum requirement of 150 to maximum of 250 clinical experience hours. Lecture and laboratory skill practice included.

Credit Hours: 3 Corequisite Courses:

ATR 304 and BIO 241

Prerequisite Courses:

ATR 211 and BIO 240

Additional Restrictions/Requirements:

Restricted to ATR majors.

Course Repeatability: Course may not be repeated.

ATR 307 - Clinical II in Athletic Training

Course Description:

This course will assess students on the clinical applications of clinical evaluation and diagnosis of the spine and lower extremity with regard to current evidence-based practice. Minimum requirement of 150 to maximum of 250 clinical experience hours. Lecture and laboratory skill practice included.

Credit Hours: 3 Corequisite Courses:

ATR 302 and ATR 305

Prerequisite Courses:

ATR 304 and ATR 306

Additional Restrictions/Requirements:

Restricted to ATR majors.

Course Repeatability: Course may not be repeated.

ATR 445 - Organization and Administration in Athletic Training

Course Description:

Topics will focus on understanding the dynamics of a complex healthcare system with regards to the delivery and management of individualized patient care.

Credit Hours: 3 Corequisite Courses:

ATR 449 and ATR 450

Prerequisite Courses:

ATR 303 and ATR 448

Additional Restrictions/Requirements:

Restricted to ATR majors.

University Studies: ["Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

ATR 448 - Clinical III in Athletic Training

Course Description:

This course will assess students on the clinical applications of clinical evaluation and diagnosis of the spine and upper extremity with regard to current evidence-based practice. Minimum requirement of 150 to maximum of 250 clinical experience hours. Lecture and laboratory skill practice included.

Credit Hours: 3 Corequisite Courses:

ATR 303

Prerequisite Courses:

ATR 302 and ATR 305 and ATR 307

Additional Restrictions/Requirements:

Restricted to ATR majors.

Course Repeatability: Course may not be repeated.

ATR 449 - Clinical IV in Athletic Training

Course Description:

This course will assess students on the clinical applications of therapeutic interventions focusing on comprehensive treatment planning and psychosocial strategies with regard to current evidence-based practice. Minimum requirement of 150 to maximum of 250 clinical experience. Lecture and laboratory skill practice included.

Credit Hours: 3 Corequisite Courses:

ATR 445 and ATR 450

Prerequisite Courses:

ATR 303 and ATR 448

Additional Restrictions/Requirements:

Restricted to ATR majors.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated.

ATR 450 - Pharmacology Concepts in Sports Medicine

Course Description:

This course is designed as an introduction to pharmacology for athletic trainers. Topics include pharmacokinetic and pharmacodynamics principles, drug regulation and therapeutic use in the context of physically active populations. Lecture and laboratory skill practice included.

Credit Hours: 3 Corequisite Courses:

ATR 445 and ATR 449

Prerequisite Courses:

ATR 303 and ATR 448

Additional Restrictions/Requirements:

Prerequisite courses, corequisite courses, ATR majors or consent of instructor.

Course Repeatability: Course may not be repeated.

ATR 470 - Medical Terminology for Health Professions

Course Description:

The course is designed for students to build a foundational understanding of medical terminology with appropriate application to pathological conditions of the various body systems. Focus on preparing students to use appropriate medical documentation skills consistent with today's allied health care professions.

Credit Hours: 3 Prerequisite Courses:

EXS 216 or BIO 240 .

Course Repeatability: Course may not be repeated

ATR 490 - Clinical V in Athletic Training

Course Description:

This capstone course will assess students on clinical integration proficiencies encompassing the professional domains of athletic training. Preparation for employment and professional development will be a focus. Minimum requirement of 150 to maximum of 250 clinical experience hours. Lecture and laboratory skill practice included.

Credit Hours: 3 Prerequisite Courses:

ATR 445 and ATR 449 and ATR 450

Additional Restrictions/Requirements:

Restricted to ATR majors.

University Studies: ["Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated.

CHHS 205 - Introduction to Health and Human Services

Course Description:

Explores career opportunities in health and human services. Studies the health and human service system in the United States and locally as it has been affected by history, changing values, and changes in the economic and political environment.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Understanding Human Institutions and Behaviors"] Course Repeatability: Course may not be repeated.

CHHS 207 - Pre-Health Career Exploration

Course Description:
Serves as a developmental guide for pre-health students in the exploration of pathways leading to medical and allied health graduate programs and related healthcare careers. This course covers: identifying appropriate undergraduate majors, prerequisite coursework, admissions requirements, participation in pre-health engagement opportunities, and additional elements necessary for competitive admission into medical and allied health graduate programs. Students create an individualized semester graduate program preparation plan as a course component.
Course Repeatability: Course may not be repeated.

CHHS 210 - Creating Happiness and Well-Being

Course Description:
An introduction to the study of topics related to happiness and its impact on quality of life. Students will learn principles and theoretical models targeted at increasing and/or sustaining happiness. The course will focus on big-picture issues and real-world applications.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Understanding Human Institutions and Behaviors"] Course Repeatability: Course may not be repeated.

CHHS 215 - Military Transitions: Successful Reintegration to Civilian and Academic Life

Course Description:
This course will help future, active-duty, and veteran military personnel understand and effectively address the challenges United States veteran military personnel and their family members face when reintegrating to civilian and academic life. Students will learn about the differences between US military and civilian/academic life, and the challenges associated with making a successful transition. Students will assess their current wellbeing and apply strategies to pursue a fulfilling life. The course emphasizes the application of lifestyle choices and behavioral change across the dimensions of wellness for improved civilian and academic life quality.
Credit Hours: 3 Additional Restrictions/Requirements:
Only open to military veterans and family members or consent of instructor.
University Studies: ["Approaches and Perspectives/Living in Our Diverse Nation"] Course

Repeatability: Course may not be repeated.

CHHS 250 - Special Topics in Health & Human Services

Course Description:
Study of a selected topic in Health and Human Services not covered in sufficient breadth or depth in existing courses. May be repeated under a separate course title.
Credit Hours: 1 To 3 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 3

CHHS 294 - Undergraduate CHHS Study Abroad I

Course Description:
This course provides College of Health and Human Services undergraduate study abroad opportunities.
Credit Hours: 1 To 6 University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated.

CHHS 325 - Foundations in Health and Wellness Coaching

Course Description:
This course provides foundational knowledge and skills to prepare students to be health and wellness coaches. Students will be introduced to the structure of health and wellness coaching, the coaching process, ethical and legal issues, and general knowledge about healthy living. The course will include theories of behavior change and evidence-based techniques used in health and wellness coaching. Curriculum is drawn from the core competencies of the National Board for Health and Wellness Coaching Certification Exam Content.
Credit Hours: 3 Prerequisite Courses:
WPA 101 , WPAL 101 .
Course Repeatability: Course may not be repeated.

CHHS 350 - Leadership Skills for Adventure Exercise

Course Description:
This course is a 3-credit hour course designed to provide skills necessary for wilderness travel and outdoor adventure. It will emphasize effective leadership for adventure programming, knowledge of backpacking skills, wilderness and remote

first aid, proper physical conditioning, route finding, equipment selection, and an understanding and respect for the environment. This course incorporates lecture sessions followed by an adventure trip, where students can apply course principals and skills. Specifically, we will meet face-to-face for 3 hours weekly over the final 10 weeks of school, experience a 4-day adventure trip over (add specific dates each semester here), and then reflect on the adventure experience upon our return (via online assignment).

Credit Hours: 3 Additional Restrictions/Requirements:

This course will require participation in vigorous physical activity (i.e. over ground walking while wearing a backpack equivalent to about 30% of your body weight). Students must complete a Physical Activity Readiness Questionnaire (PAR-Q) on the first day of class. If deemed necessary, students must follow up and get approval to participate in the course from a medical doctor.

Course Repeatability: Course may be repeated.

CHHS 411 - Research & Evaluation Methods in Human Services

Course Description:

This course introduces research design and analysis necessary to examine, apply, and utilize science in interdisciplinary human service settings. Course content includes an overview of current issues in knowledge development including the process of research utilization and evidence based practice. The student will conduct analytic critiques of the research literature for scientific merit, synthesize these critiques for application to practice, and develop strategies for providing leadership to make evidence based practice a reality in current and future work settings.

Credit Hours: 3 Prerequisite or Corequisite Courses:

SWK 496 with a C or better

Prerequisite Courses:

(SWK 321 with a C or better and SWK 496 with a C or better), or EXS 210 with a C or better, or RTH 380 with a C or better, or RSP 300 with a C or better.

Additional Restrictions/Requirements:

All prerequisite courses must have a minimum grade of "C" or better.

University Studies: ["Building Competencies/Writing Intensive", "Building Competencies/Information Literacy", "Critical Reasoning"] Course Repeatability: Course may not be repeated.

CHHS 425 - Applications in Health and Wellness Coaching

Course Description:

In this course, students will learn and apply mindfulness, relationship and communication health and wellness coaching skills. This course will introduce students to evidence-based techniques such as motivational interviewing and solution focused coaching to build capacity for lasting behavioral change. Coaching session and program structure and ethical and legal issues will be explored. The curriculum is aligned with the standards published by the National Board for Health and Wellness Coaching.

Credit Hours: 3 Corequisite Courses:

CHHS 426 .

Prerequisite Courses:

CHHS 325 .

Course Repeatability: Course may not be repeated.

CHHS 426 - Health and Wellness Coaching Skills Lab

Course Description:

This course is designed to provide students with the opportunity to develop practical skills to become a capable, competent health and wellness coach. Students will engage in didactic learning with peers to practice health and wellness coaching skills. The course utilizes the standards published by the National Board for Health and Wellness Coaching to assess practical skills.

Credit Hours: 1 Corequisite Courses:

CHHS 425 .

Prerequisite Courses:

CHHS 325 .

Course Repeatability: Course may not be repeated.

CHHS 427 - Motivational Interviewing

Course Description:

This course is designed to provide students with the opportunity to learn and apply motivational interviewing knowledge and skills. Students will engage in didactic learning with facilitated practice, observe and provide feedback their skills.

Credit Hours: 3 Prerequisite Courses:

CHHS 325

University Studies: [""] Crosslisting:

CHHS 527

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3 Repeat Limit: 0 Additional Course Fees: [""] Equivalent Courses: [""]

CHHS 450 - Special Topics in Health & Human Services

Course Description:

Study of a selected topic in Health and Human Services not covered in sufficient breadth or depth in existing courses. May be repeated under a separate course title.

Credit Hours: 1 To 3 Additional Restrictions/Requirements:

Junior or senior standing.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

CHHS 491 - Directed Individual Study

Course Description:

Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.

Credit Hours: 1 To 6 Additional Restrictions/Requirements:

Junior or senior standing, overall GPA of at least 2.00 and consent of instructor, school director and dean.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

CHHS 494 - CHHS Study Abroad II

Course Description:

This course provides College of Health and Human Services advanced undergraduate study abroad opportunities.

Credit Hours: 1 To 6 Additional Restrictions/Requirements:

Instructor approval

Course Repeatability: Course may be repeated.

CHHS 495 - Innovation in Health Education

Course Description:

Focuses on applications for health management and well being for older adults and their families. Uses technological advances of ipads and smart phones to better prepare allied health professionals. Particular attention paid to fitness safety, disease management, nutrition, end of life care, and caregiving. Students will use their knowledge to educate older adults currently living in the community.
Credit Hours: 1 Course Repeatability: Course may not be repeated.

CHHS 499 - Honors Work in Health and Human Services

Course Description:
Independent study for honors students.
Credit Hours: 1 To 6 Additional Restrictions/Requirements:
Senior standing and eligibility for honors program.
University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

CLR 310 - Clinical Research Writing and Communications

Course Description:
Examines principles and practice of scientific writing in clinical research field with emphasis on critical thinking, researching, and writing processes. Includes writing of such documents as standard operating procedures, proposals, literature reviews, short reports and letters.
Credit Hours: 3 Prerequisite or Corequisite Courses:
CLR 301 with a C or better
Additional Restrictions/Requirements:
Open only to students within the Clinical Research major or Clinical Research minor.
University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3 Major Restriction: Restricted to Clinical Research majors Minor Restriction: Restricted to Clinical Research minors

CLR 330 - Fundamentals of Biopharmaceutical Product Development

Course Description:
This completely on-line course provides an overview of the development of pharmaceutical and biotechnology products for the marketplace. This course reviews the theoretical and practical aspects of the discovery of new entities, the

preclinical process, chemistry manufacturing and controls (CMC), manufacturing and scale-up of candidate products, over-the-counter and generic drugs, production and stability of marketed products as well as the overall costs of drug development.
Credit Hours: 3 Prerequisite Courses:
CLR 301 with a C or better
Additional Restrictions/Requirements:
Open only to students within the Clinical Research major or Clinical Research minors.
Course Repeatability: Course may not be repeated. Major Restriction: Restricted to Clinical Research majors Minor Restriction: Restricted to Clinical Research minors

CLR 420 - Regulatory Affairs

Course Description:
In-depth coverage of the requirements for worldwide marketing applications. Examination of the regulatory review process and regulatory agency interactions. Emphasis on late phase of clinical investigations and marketing considerations, including safety reporting.
Credit Hours: 3 Prerequisite Courses:
CLR 301 with a C or better
Additional Restrictions/Requirements:
Open only to students within the Clinical Research major or Clinical Research minor.
Course Repeatability: Course may not be repeated. Major Restriction: Restricted to Clinical Research majors Minor Restriction: Restricted to Clinical Research minors

EXS 199 - Topics in Exercise Science

Course Description:
Selected topics in exercise science.
Credit Hours: 1 To 6 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

EXS 200 - Suspension Training System

Course Description:
This foundational course will provide students with fundamental knowledge, technique, and application of the suspension training system. This course will also introduce progressive applications of the suspension training system, specifically,

proprioceptive and balance training, relation components to rehabilitiation, and sports specificity.
Credit Hours: 2 Course Repeatability: Course may not be repeated.

EXS 201 - Principles and Application of Group Exercise Instruction

Course Description:
This course is designed to provide theoretical knowledge and practical skills in preparation for group exercise instruction and sitting for a national certification exam in group fitness instruction. Topics include guidelines for instructing safe, effective, and purposeful exercise, essentials of the instructor–participant relationship, principles of motivation to encourage adherence in the group fitness setting, effective instructor-to-participant communication techniques, methods for enhancing group leadership, and the group fitness instructor's (GFI's) professional role.
Course Repeatability: Course may not be repeated.

EXS 210 - Introduction to Exercise Science

Course Description:
This foundational course is designed to introduce students to the field of exercise science by providing a curriculum overview, explanation of the sub-disciplines, professional organizations and certifications, and potential careers in the field of Exercise Science and related allied-health professions.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

EXS 216 - Human Anatomy and Physiology I

Course Description:
Examines seven of the major organ systems that includes the human integumentary, skeletal, muscular, circulatory, and respiratory structures and functions as related to health and movement.
Credit Hours: 3 Corequisite Courses:
EXSL 216
University Studies: ["Approaches and Perspectives/Scientific Approaches to the Natural Word"]
Course Repeatability: Course may not be repeated.

EXS 217 - Human Anatomy and Physiology II

Course Description:

Examines six major organ systems that include the human nervous, endocrine, immune, digestive, urinary and reproductive systems as related to health and movement.

Credit Hours: 3 Corequisite Courses:

EXSL 217

Prerequisite Courses:

EXS 216

University Studies: ["Approaches and Perspectives/Scientific Approaches to the Natural World"]

Course Repeatability: Course may not be repeated.

EXS 266 - Applications of Computers in Physical Education and Health

Course Description:

Introduction to technology for students in physical education and health. Topics include microcomputer operations, computer software applications, the Internet, distance learning technologies, and ethics of computer use.

Credit Hours: 3 Additional Restrictions/Requirements:

Open to declared physical education majors only or consent of instructor.

Crosslisting:

HEA 266 , PED 266

Course Repeatability: Course may not be repeated.

EXS 292 - Trial Course

EXS 294 - Exercise Science Study Abroad I

Course Description:

This course provides Exercise Science undergraduate study abroad opportunities.

Credit Hours: 1 To 6 University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated.

EXS 310 - Research Methods in Exercise Science

Course Description:

Methods of research in the field of exercise science. Identification of research problems, sampling methods, data analysis and interpretation, and planning of evaluation studies.

Credit Hours: 3 Prerequisite Courses:

EXS 210 with a "C" or better or RSP 324

University Studies: ["Building Competencies/Writing Intensive", "Building Competencies/Information Literacy", "Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated.

EXS 311 - Legal Issues in Exercise Science

Course Description:

Introduction to legal aspects of amateur sport and physical activity emphasizing knowledge required of the exercise science and sport professional. Focus upon current terminology, legal procedures and operations, and case studies.

Credit Hours: 3 Prerequisite Courses:

EXS 210 with a "C" or better.

Course Repeatability: Course may not be repeated.

EXS 312 - Management in Exercise Science

Course Description:

This course will focus upon managerial theories and its applications in exercise science and allied-health organizations. Specific topics include organizational theories, communication, leadership,motivation, managerial skills, functions of management, issues of policies, marketing, and financial aspects of management.

Credit Hours: 3 Prerequisite Courses:

EXS 210 with a "C" or better.

Course Repeatability: Course may not be repeated.

EXS 313 - Measurement and Evaluation in Exercise Science

Course Description:

Application of measurment and evaluation theories, concepts, and practices to the

planning and administration of effective physical activity programs; includes basic statistical techniques and interpretation of data.

Credit Hours: 3 Prerequisite Courses:

EXS 210 with a "C" or better.

Course Repeatability: Course may not be repeated.

EXS 314 - Entrepreneurship, Leadership, and Legal Concepts in the Health and Fitness Industry

Course Description:

Introduction to legal aspects of amateur sport and physical activity emphasizing knowledge required of the exercise science and sport professional. Focus upon current terminology, legal procedures and operations, and case studies. Furthermore, this course will focus upon managerial theories and its applications in exercisescience and allied-health organizations. Specific topics include organizational theories, communication, leadership, motivation, managerial skills, functions of management, issues of policies, marketing, and financial aspects of management.

Credit Hours: 3 Prerequisite Courses:

EXS 210 .

Course Repeatability: Course may not be repeated.

EXS 320 - Exercise Physiology

Course Description:

This course is designed to enhance knowledge with respect to the physiological considerations and associated mechanisms related to physical activity, exercise, and performance.

Credit Hours: 3 Corequisite Courses:

EXSL 320.

Prerequisite Courses:

BIO 201 with a "C" or better, CHM 101 with a "C" or better, CHML 101 with a "C" or better, MAT requirement with a "C" or better (MAT 111 or MAT 112 or MAT 115 or MAT 151 or MAT 161 or MAT 160 with a "C" or better), (EXS 216 with a "C" or better and EXSL 216 with a "C" or better) or (BIO 240 with a "C" or better and BIOL 240 with a "C" or better) and (EXS 310 with a "C" or better or CHHS 411 with a "C" or better).

Additional Restrictions/Requirements:

Restricted to Preexercise Science (PEXS) or Exercise Science (EXS) majors only or permission of instructor at the time the course begins.

University Studies: ["Critical Reasoning"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

EXS 321 - Biomechanics

Course Description:

Neuromuscular and mechanical principles of human movement with emphasis on movement analysis most often encountered in fitness activities and sport skills.

Credit Hours: 3 Prerequisite Courses:

BIO 201 with a "C" or better, CHM 101 with a "C" or better, CHML 101 with a "C" or better, MAT requirement with a "C" or better (MAT 111 or MAT 112 or MAT 115 or MAT 151 or MAT 161 or MAT 160 with a "C" or better), (EXS 216 with a "C" or better and EXSL 216 with a "C" or better) or (BIO 240 with a "C" or better and BIOL 240 with a "C" or better) and (EXS 310 with a "C" or better OR CHHS 411 with a "C" or better).

Additional Restrictions/Requirements:

Restricted to Preexercise Science (PEXS) or Exercise Science (EXS) majors only or permission by instructor at the time the course begins.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

EXS 322 - Sports Nutrition

Course Description:

Relationship of exercise, physical activity, and performance to human nutrition. In-depth information on human energy systems, weight management, macronutrients, micronutrients, and ergogenic aids.

Credit Hours: 3 Prerequisite Courses:

BIO 201 with a "C" or better, CHM 101 with a "C" or better, CHML 101 with a "C" or better, MAT requirement with a "C" or better (MAT 111 or MAT 112 or MAT 115 or MAT 151 or MAT 161 or MAT 160 with a "C" or better), EXS 310 with a "C" or better or CHHS 411 with a "C" or better.

Additional Restrictions/Requirements:

Restricted to Preexercise Science (PEXS) or Exercise Science (EXS) majors only or permission of instructor at the time the course begins.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

EXS 331 - Applied Biomechanics in Strength and Conditioning

Course Description:

Neuromuscular and mechanical principles of human movement with emphasis on movement analysis related to strength and conditioning.

Credit Hours: 3 Prerequisite or Corequisite Courses:

EXS 321.

Prerequisite Courses:

EXS 310.

Course Repeatability: Course may not be repeated. Major Restriction: Exercise Science

EXS 342 - Skill Analysis for Sport and Physical Activity

Course Description:

Advanced analysis of sport and physical activity skills. Emphasis on observation, error detection and analysis, and improvement prescription. Focus on beginner to intermediate level of performance. Required physical performance of skills.

Credit Hours: 3 Prerequisite Courses:

EXS 321

Additional Restrictions/Requirements:

Restricted to EXS majors.

Crosslisting:

PED 342

Course Repeatability: Course may not be repeated.

EXS 350 - Motor Behavior

Course Description:

Motor skill acquisition, control, and performance. Physiological and psychological principles of human growth and development. Includes analysis of the sequential progression of fundamental motor skills from infancy through adulthood with primary focus on school-age children.

Credit Hours: 3 Prerequisite Courses:

EXS 216

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

EXS 410 - Essentials of Strength Training and Conditioning I

Course Description:

This course is a comprehensive overview of the scientific foundations of strength and conditioning. Emphasis will be placed on the exercise sciences, including anatomy, exercise physiology, biomechanics, nutrition, and the psychology of performance.

Credit Hours: 3 Prerequisite Courses:

Prerequisite: EXS 320 with a "C" or better and EXSL 320 with a "C" or better.

Prerequisite or corequisite: EXS 321 .

Additional Restrictions/Requirements:

Restricted to Exercise Science (EXS) majors only or permission of instructor.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

EXS 411 - Exercise Prescription I

Course Description:

Concepts of health related physical fitness with emphasis on the design of an individualized exercise program for all ages within an apparently healthy population.

Credit Hours: 3 Corequisite Courses:

EXSL 411

Prerequisite Courses:

EXS 320 with a "C" or better and EXSL 320 with a "C" or better.

Additional Restrictions/Requirements:

Restricted to Exercise Science (EXS) or permission of instructor. Must have minimum cumulative GPA of 2.70.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

EXS 412 - Facilitating Behavior Change

Course Description:

Study of behavioral principles as they relate to exercise participants, the exercise environment and adherence to a physically active lifestyle. Emphasis on practical application of behavior modification strategies related to exercise adherence.

Credit Hours: 3 Prerequisite Courses:

EXS 320 with a "C" or better and EXSL 320 with a "C" or better.

Additional Restrictions/Requirements:

Restricted to Exercise Science (EXS) majors or permission of instructor.
University Studies: ["Approaches and Perspectives/Understanding Human Institutions and Behaviors"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

EXS 420 - Essentials of Strength Training and Conditioning II

Course Description:
This course is designed to provide an in-depth overview of the practical/applied principles of strength and conditioning. Emphasis is placed on applying knowledge of testing and evaluation, exercise techniques, organization and administration and program design.
Credit Hours: 3 Corequisite Courses:
EXSL 420
Prerequisite Courses:
EXS 410 with a "C" or better.
Additional Restrictions/Requirements:
Restricted to Exercise Science (EXS) majors only or permission of instructor.
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

EXS 421 - Exercise Prescription II

Course Description:
Emphasis on the design of safe and appropriate individualized exercise programs for persons of all ages with acute and chronic health-related conditions. The topics include benefits and risks, screening, pre-exercise evaluations, fitness testing, and exercise prescription.
Credit Hours: 3 Prerequisite Courses:
EXS 411 with a "C" or better and EXSL 411 with a "C" or better.
Additional Restrictions/Requirements:
Restricted to Exercise Science (EXS) majors only or permission of instructor.
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

EXS 440 - Selected Topics Exercise Science

Course Description:
Selected topics in exercise science, including exercise prescription and program planning for pediatric, adolescent, adult, and elderly populations.
Credit Hours: 3 Prerequisite Courses:

EXS 320 and EXS 313

Additional Restrictions/Requirements:

Senior standing.

Course Repeatability: Course may not be repeated.

EXS 472 - Exercise for Cancer Rehabilitation and Survivorship

Course Description:

Physiological and psychological changes and side effects resulting from cancer and its treatment and the potential reversal of those side effects with the implementation of individualized, prescriptive exercise interventions.

Credit Hours: 3 Prerequisite Courses:

EXS 411

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated.

EXS 491 - Directed Individual Study

Course Description:

Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the

Depending on their interests and abilities, UNCW students may choose from several kinds of special courses and programs to individualize and otherwise enrich their studies.

- This course, designated as 491 in each department, involves investigation beyond what is offered in existing courses. To enroll in a Directed Individual Study, students must be a junior or senior. Additionally, students must have an overall grade point average of at least 2.00 and the approval of (1) the faculty member who will direct the study, (2) the departmental chairperson, and (3) the appropriate dean. Departmental criteria will include (1) the availability of the instructor (instructors may only supervise a limited number of independent studies each semester), (2) the appropriateness of and need for the proposed study in the student's program, (3) the availability of library and other research resources, and (4) the feasibility of completion of the proposed study in the allotted time. Students are limited to nine credit hours of Directed Individual Study toward graduation requirements.

Several departments within the College of Humanities, Social Sciences, and the Arts and the professional schools offer field experience courses as part of their semester or summer programs. Participating students conduct individual or group research under faculty guidance at selected areas within and outside the continental United States. Apart from the greater Wilmington area, field experience courses have been conducted in such places as the Florida Keys, Barbados, the Bahamas, Portugal, and parts of Central and South America.

- Raymond L. Burt, *coordinator*
  The German Studies Consortium links participating UNC institutions to facilitate the sharing of teaching and learning resources to enhance German Studies across The University of North Carolina system. This consortium offers a broad array of German Studies courses in the language, literature, and culture of the German-speaking countries taught by specialists in the field. The primary focus is on the sharing of upper-level German classes offered each semester on the North Carolina Information Superhighway. Participant universities include Appalachian State University, East Carolina University, North Carolina State University, the University of North Carolina at Asheville, the University of North Carolina at Charlotte, the University of North Carolina at Greensboro, University of North Carolina Wilmington, and Western Carolina University. For course details, visit the UNC Online Exchange.

- Regina Felix, *coordinator*
  The Portuguese Exhange links participating UNC institutions to facilitate the sharing of teaching and learning resources to enhance Portuguese language and Portugurese and Brazilian Studies across the University of North Carolina system. This exchange offers courses in the language, literature, and culture of the Portuguese-speaking countries taught by specialists in the field. Participant universities include Appalachian State University, North Carolina State University, the University of North Carolina Asheville, the University of North Carolina at Chapel Hill, the Unversity of North Carolina at Charlotte, the University of North Carolina Wilmington, and Winston Salem State University. For course details, visit the UNC Online Exchange.

- Dave Graber, *coordinator*
  The Russian Studies Consortium links participating UNC institutions to facilitate the sharing of teaching and learning resources to enhance Russian Studies across The University of North Carolina system. This consortium offers a broad array of Russian Studies courses in the language, literature, history, film, society, and culture in the Russian-speaking countries, which can be taught in the target language and/or in translation by specialists with credentials in Russian Studies. The primary goal focuses on the sharing of elementary, intermediate, and upper level Russian Studies classes offered each semester as well as summer session courses on the North Carolina Information Superhighway and/or fully online. Participant universities include Appalachian State University, East Carolina University, North Carolina State University, The University of North Carolina at Charlotte, The University of North Carolina at Greensboro, and The University of North Carolina Wilmington. Courses are offered through the UNC Online Exchange.

- Raymond L. Burt, UNCW *coordinator*
  The UNC Language Assembly is a cooperative of the language departments of all 17 campuses of the UNC System, and serves the UNC System and the State of North Carolina by supporting the foreign language programs at the constituent institutions and by seeking to offer a wide diversity of foreign language choices to the students at all the UNC campuses. Students are not required to pay tuition at the other campus, since UNCW tuition applies to these courses as well. Courses are taught online or through videoconference technology. Students can directly enroll in language classes offered by campuses through the UNC Online Exchange.

- https://uncw.edu/myuncw/academics/graduate-school/forms

Graduate Courses Taken for Undergraduate Credit

Graduate courses at UNCW or other accredited institutions may be used to fulfill

undergraduate requirements if approved by the course instructor, student's department chair, undergraduate dean, and the dean of the Graduate School. All other transfer credit policies apply. Permission forms may be obtained on the Graduate School forms page under the "Undergraduate Registration for Graduate Courses" section at https://uncw.edu/myuncw/academics/graduate-school/forms.

Graduate Course Taken as an Undergraduate to Later Apply to a Graduate Degree

Undergraduate students who wish to take graduate courses and later receive graduate credit for them must fill out a Docusign to obtain permission in advance from the course instructor, student's department chair and undergraduate dean, and the Graduate School for approval. Graduate courses taken under this provision may not be used to fulfill undergraduate degree requirements. Permission forms may be obtained on the Graduate School form page under the "Undergraduate Registration for Graduate Courses"
section https://uncw.edu/myuncw/academics/graduate-school/forms.

Credit for Approved Combined Degree Programs

Graduate courses used to fulfill an undergraduate degree requirement at UNCW may be applied to a graduate degree only when taken as part of an approved combined degree program. Courses applied toward an awarded degree may not be applied to a second degree except as described by specific degree programs.

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https://www.uncw.edu/global/
The Office of Global Partnerships and International Education is comprised of three units: Education Abroad, English Language Center, and the Office of International Students & Scholars.

Education Abroad

UNCW offers more than 800 education abroad opportunities in more than 50 countries. Options available include coursework taken abroad, international internships for academic credit, credit-bearing service-learning experiences, academic research, and virtual global learning opportunities. UNCW provides education abroad opportunities to suit nearly every major and credit earned through international programs may be applied towards a UNCW degree. Financial aid may be used in conjunction with education abroad programs and scholarships are available. Students may select from short-term and summer programs, as well as semester, year-long and two-year dual degree options.

All applications for any credit-bearing program abroad must be made through the Office of Global Partnerships and International Education.

UNCW students who study abroad retain their active UNCW student status and will not have to re-enroll upon return.

Eligibility requirements include:

- 18 years of age at the time of participation
- Good disciplinary standing
- 2.5+ cumulative grade point average
- Sophomore+ status (select programs are open to first-year students)
- Any program-specific requirements
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Several programs in the College of Humanities, Social Sciences, and the Arts, College of Science and Engineering, College of Education, College of Health and Human Services, and the Cameron School of Business offer students the opportunity to earn academic credit within a work environment external to the program. The purpose of the internship experience is to enhance, supplement, and integrate the learning that occurs in formal classroom settings. Permission of the dean and program offering the internship is required to enroll, and the program places limits on the number of credit hours earned applicable toward graduation. Internships designated by a 498 number will be graded on a Pass (P), Fail (F) basis. These credit hours earned will count towards the number of hours required to

graduate, but the grade of Pass (P) will be excluded from the computation of the GPA. For further information on internships, refer to the courses numbered 498 in the course listings and then contact the departments offering them.

- The North Carolina Child Welfare Education Collaborative is a university-agency partnership that ensures a quality work force in child welfare settings. The educational goal of this program is to directly address the workforce need for social workers in child welfare settings. Administered by the Jordan Institute for Families, the collaborative includes North Carolina social work education programs, the NC Division of Social Services, the NC Association of County Directors of Social Services and the NC Chapter of the National Association of Social Workers. Educating, training, and supporting current and future social workers in child welfare meets the goal of strengthening families and protecting children. The collaborative offers focused educational courses, training and field experience in child welfare agencies. Participating universities include Appalachian State University, University of North Carolina at Chapel Hill, East Carolina University, North Carolina State University, Joint Masters of Social Work Program at University of North Carolina at Greensboro and North Carolina Agricultural and Technical State University, and University of North Carolina Wilmington.

- The Reverse Transfer Program is a collaborative effort between North Carolina's Community Colleges and the University of North Carolina's 16 constituent institutions. Students who transfer to UNC Wilmington from one of the 58 North Carolina community colleges are given the opportunity to combine the credits earned at UNCW with credit already earned at the community college to determine if the associate degree requirements have been met. Students have the opportunity to opt-in to this program at the time of admission as a transfer student. There is no cost to participate. For more information, contact the Office of the Registrar.
Eligibility: Students must have earned at least 16 college-level credit hours at one community college applicable towards their degree, to be eligible to participate. After earning a total of 60 combined credits, the student's UNCW records will be sent back to their previous community college for evaluation. The community college will contact students via their UNCW email, with further details, if the Associate degree is awarded.

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Several UNCW courses employ service-learning opportunities. Service learning is an innovative method of teaching and learning that combines thoughtfully organized service to the community with other means of instruction. Community service-projects are integrated into and enhance the academic curriculum of students, fitting naturally into the philosophy and pedagogy of a variety of disciplines and fostering civic responsibility. Both students and the community benefit from service learning. Service-learning courses have several strengths, not the least of which is that they are adaptable to the needs of the community while providing structured time for the students to reflect on the service experience.

section in the catalogue.

Credit Hours: 1 to 3 Additional Restrictions/Requirements:

Junior or senior standing, overall GPA of at least 2.7, and consent of instructor, director and dean.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

EXS 494 - Exercise Science Study Abroad II

Course Description:

This course provides Exercise Science advanced undergraduate study abroad opportunities.

Credit Hours: 1 to 6 Additional Restrictions/Requirements:

Instructor approval

University Studies: ["Approaches and Perspectives/Living in a Global Society"] Course Repeatability: Course may be repeated.

EXS 497 - Advanced Field Experience in Exercise Science

Course Description:

Minimum of 90 hours of supervised applied learning experience in an exercise science-related agency or organization to better understand the depth and breadth of career opportunities in the industry, and to apply academic coursework to meet personal and professional goals.

Credit Hours: 3 Prerequisite Courses:

EXS 411 with a "C" or better and EXSL 411 with a "C" or better.

Additional Restrictions/Requirements:

Restricted to Exercise Science (EXS) majors only or permission of instructor.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated.

EXS 499 - Honors Program in Exercise Science

Course Description:

Independent study for students within the honors program.

Credit Hours: 2 To 3 Additional Restrictions/Requirements:

Senior standing and eligibility for honors program.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

EXSL 216 - Human Anatomy and Physiology I Laboratory

Course Description:

EXSL 216 is the study of the anatomical and functional characteristics of the human body including the skeletal, muscular, circulatory, and respiratory systems with emphasis on health and physical activity.

Credit Hours: 1 Prerequisite Courses:

Prerequisite or corequisite: EXS 216 .

Course Repeatability: Course may not be repeated.

EXSL 217 - Human Anatomy and Physiology II Laboratory

Course Description:

EXSL 217 provides the laboratory experience for EXS 217 via examining the anatomy and physiology of the nervous, endocrine, immune, digestive, urinary and reproductive systems including the special senses and metabolism.

Credit Hours: 1 Prerequisite Courses:

Prerequisite or corequisite: EXS 217 .

Course Repeatability: Course may not be repeated.

EXSL 320 - Exercise Physiology Laboratory

Course Description:

Laboratory is designed to relate theoretical knowledge attained wihtin EXS 320 into application. Students will experience the skill-related learning outcomes that parallel

the American College of Sports Medicine (ACSM) Job Task Analysis (JTA).
Credit Hours: 1 Corequisite Courses:
EXS 320
Prerequisite Courses:
BIO 201 with a "C" or better, CHM 101 with a "C" or better, CHML 101 with a "C" or better, MAT requirement with a "C" or better (MAT 111 or MAT 112 or MAT 115 or MAT 151 or MAT 161 or MAT 160 with a "C" or better)
Additional Restrictions/Requirements:
Restricted to Preexercise Science (PEXS) or Exercise Science (EXS) majors only or permission of instructor at the time the course begins.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 1

EXSL 411 - Exercise Prescription I Laboratory

Course Description:
Concepts of health related physical fitness with emphasis on screening, fitness assessment and the design of an individualized exercise program for all ages within an apparently healthy population.
Credit Hours: 1 Corequisite Courses:
EXS 411
Additional Restrictions/Requirements:
Restricted to Exercise Science majors only or permission of instructor.

Course Repeatability: Course may not be repeated.

EXSL 420 - Essentials of Strength Training and Conditioning II Laboratory

Course Description:
Course is a comprehensive overview of the practical/applied principles of strength and conditioning. Emphasis is placed on developing skills in fitness testing, exercise technique, organization and administration, and program design. Two laboratory hours each week.
Credit Hours: 1 Corequisite Courses:
EXS 420
Additional Restrictions/Requirements:
Restricted to Exercise Science (EXS) majors only or permission of instructor.
Course Repeatability: Course may not be repeated.

GRN 101 - Introduction to Gerontology

Course Description:

Introduction to the social, psychological, physiological, and philosophical aspects of aging through reading, writing, and fieldwork.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in Our Diverse Nation"] Course Repeatability: Course may not be repeated. Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

GRN 422 - Family Health and Aging

Course Description:

Study of family systems theory, paradigms for caregiving, illness and life-stage challenges for caregiving, and the interface between formal caregivers and caregiving families.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

GRN 424 - Cultural Representations of Aging

Course Description:

This course includes the study of various representations of aging, including fine art, films, novels, poetry, and more. We will compare and contrast such creative representations of aging with scientific (e.g., scholarly literature) ways of knowing about aging. Through engaging bio-psycho-social-humanities frameworks to explore aging-related phenomena, students will develop a well-rounded understanding of a variety of topics.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

GRN 440 - Current Issues in Gerontology

Course Description:

Study of current issues and topics in the field of aging from an interdisciplinary and global perspective with participation in a service-learning project.

Credit Hours: 3 Course Repeatability: Course may not be repeated. Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

GRN 446 - Health Care Access for Older Adults

Course Description:

An introduction to the U.S. health care system with an emphasis on issues related to older adults, including problems of access to health care for the aging population, their families, and communities.

Credit Hours: 3 Prerequisite Courses:

GRN 101

Additional Restrictions/Requirements:

Junior or senior standing.

Crosslisting:

GRN 546 , RTH 546

Course Repeatability: Course may not be repeated.

GRN 486 - Interprofessional Collaboration: Careers in Aging

Course Description:

A theoretical and applied examination of existing professional careers in gerontology and those that might exist in the future.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

GRN 491 - Directed Individual Study

Course Description:

Gerontological investigation, under faculty supervision, beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.

Credit Hours: 1 To 3 Prerequisite Courses: GRN 101 Additional Restrictions/Requirements:

Prerequisite course, overall GPA of at least 2.00, and consent of instructor, gerontology coordinator, and the appropriate dean.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

GRN 495 - Topical Seminar in Gerontology

Course Description:

Discussion of selected topics in Gerontology.

Credit Hours: 3 Prerequisite Courses: GRN 101 Additional Restrictions/Requirements:

Prerequisite course and consent of instructor.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 9

HEA 105 - Individual Well-Being

Course Description:
Topical areas and issues in health explored within the physical, emotional, social, environmental, intellectual, and spiritual dimensions of personal wellness.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

HEA 205 - Human Sexuality

Course Description:
Taught from a health educator perspective, focusing on empirically based information covering: human sexual response, development of sex roles and orientation, reproduction, birth control, and STI's. Provides opportunities for students to review their beliefs in the context of the historic, cultural and social factors that impact how we perceive sexuality.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

HEA 207 - Nutrition and Behavior

Course Description:
Application of the principles of nutrition as related to health; various levels of wellness; and practices of health care. Emphasis on basics of sound nutrition, requirements of various food elements, diet planning, diet patterns for specific age groups, nutritional fads and weight control.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

HEA 210 - Substance Abuse Prevention

Course Description:
Prevention education methods and strategies for substance abuse prevention for all age groups and diverse populations. Special emphasis on evidence-based prevention strategies including both curriculum-based and community-programming tactics. Students will work with outside agencies to review current use of substance abuse prevention programs.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

HEA 234 - Principles of Health Education

Course Description:

An introduction to health education program planning, implementation, and evaluation in various health promotion settings. Focuses on responsibilities and strategies of entry-level health educators.

Credit Hours: 3 Crosslisting:

PBH 234

Course Repeatability: Course may not be repeated.

HEA 240 - Current Topics in Health

Course Description:

Survey of health topics including a historical overview, trends in disease and prevention efforts in the United States, culture and the impact of advertising and marketing efforts, and ethical considerations. Topics will vary and will focus on the health education model for disease prevention.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

HEA 245 - Consumer Health

Course Description:

Survey of consumer health topics such as the purchase of health-care products and services, choosing quality health care, and how to identify and use reliable sources of information.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

HEA 266 - Applications of Computers in Physical Education and Health

Course Description:

Introduction to technology for students in physical education and health. Topics include microcomputer operations, computer software applications, the Internet, distance learning technologies and ethics of computer use.

Credit Hours: 3 Additional Restrictions/Requirements:

Open to declared physical and health education majors only, or consent of instructor.

Crosslisting:

EXS 266 , PED 266

Course Repeatability: Course may not be repeated.

HEA 300 - Mental and Emotional Health

Course Description:

An integrated approach to mental and emotional health examining the cognitive, emotional, and social dimensions of mental health. An introduction to common mental disorders, their causes, and treatment. Special focus on the emotional and mental health issues of adolescence.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

HEA 301 - Community Health

Course Description:

Overview of social, health, and medical problems of modern society, with special emphasis on community programs for solving them. Study of programs of official and voluntary health agencies, designed to promote and protect the health of citizens, observed through field trips, discussed by guest lecturers, and studied through other forms of enrichment.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

HEA 304 - Comprehensive School Health Education, Grades K-12

Course Description:

An overview of the school health education program. Emphasis on methods and materials for health instruction in grades K-12.

Credit Hours: 3 Course Repeatability: Course may not be repeated. Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

HEA 305 - Health Program Planning/Intervention Strategies

Course Description:

Information and skills health educators need to plan, implement, and evaluate education strategies in public, private, professional, and governmental health

agencies.
Credit Hours: 3 Crosslisting:
PBH 305
Course Repeatability: Course may not be repeated.

HEA 320 - Foundations in Global Health

Course Description:
Overview of the world. The class will explore contemporary issues, problems, and controversies in global health and identify key global health challenges, their distribution, and prevention strategies.
Credit Hours: 3 Crosslisting:
PBH 320
Course Repeatability: Course may not be repeated.

HEA 325 - Health and Aging

Course Description:
An introduction to health characteristics of the aging population. Topics include biomedical changes of various body systems and lifestyle factors such as nutrition, stress, drugs, exercise and sexuality. Field experience required.
Credit Hours: 3 Prerequisite Courses:
GRN 101
Course Repeatability: Course may not be repeated.

HEA 351 - Health Communications

Course Description:
Introduction to formulation of effective health communication strategies, including retrieval, management and utilization of new technologies; basic health communication literacy; theory utilization; presentation skills; multimedia and other media technological applications ethical; legal and academic issues in health communications.
Credit Hours: 3 Crosslisting:
PBH 351
Course Repeatability: Course may not be repeated.

HEA 355 - Measurement and Evaluation in Health Education

Course Description:

Principles of measurement and evaluation including instrument construction, and an examination of concepts and strategies involved with measurement and evaluation in health education.

Credit Hours: 3 Crosslisting:

PBH 355

Course Repeatability: Course may not be repeated.

HEA 359 - Research and Evaluation in Health, Physical Education, and Recreation

Course Description:

Methods of research in the fields of health, physical education and recreation. Identification of problems, sampling methods, data analysis and interpretation, and planning of evaluation studies.

Credit Hours: 3 Prerequisite Courses:

HEA 355

Crosslisting:

PED 359 , EXS 310 , PBH 359

Course Repeatability: Course may not be repeated.

HEA 435 - Organization and Administration in Health Education

Course Description:

Administration of health education in a variety of settings. Content includes program planning, implementation, and evaluation, budgets and the role of government and private agencies for leadership in health education.

Credit Hours: 3 Additional Restrictions/Requirements:

Majors only or consent of instructor.

Course Repeatability: Course may not be repeated.

HEA 440 - Advanced Topics in Health

Course Description:

Examination of selected current and emerging health topics including cardiovascular

diseases, cancer, HIV/AIDS, and death and dying.
Credit Hours: 3 Prerequisite Courses:
HEA 240
Course Repeatability: Course may not be repeated.

HEA 452 - Epidemiology and Concepts of Human Disease

Course Description:
Study of the distribution, determinants, and prevention of disease with emphasis on biological, environmental, cultural, and psychological impacts on health and illness.
Credit Hours: 3 Additional Restrictions/Requirements:
Junior or senior standing and major or minor, or consent of instructor.
Crosslisting:
PBH 452
Course Repeatability: Course may not be repeated.

HEA 465 - Exercise, Performance and Nutrition

Course Description:
Relationship of exercise, physical activity and performance to human nutrition. In depth information on human energy systems, weight control and proper dieting. Intermediate and cellular metabolism in relation to nutrition and overall health.
Credit Hours: 3 Prerequisite Courses:
(EXS 216 or BIO 240) and BIOL 240
Course Repeatability: Course may not be repeated.

HEA 466 - Introduction to Therapeutic Nutrition

Course Description:
Examination of the relationship between diet and chronic disease in the United States. Also introduces basic concepts of medical nutrition therapy and how these are addressed in a health care setting.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

HEA 491 - Directed Individual Study

Course Description:
Involves investigation under faculty supervision beyond what is currently offered in

existing courses. For further information, consult the Directed Individual Studies section in this catalogue.
Credit Hours: 1 To 6 Additional Restrictions/Requirements:
Junior or senior standing, overall GPA of at least 2.50, and consent of instructor.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

HEA 497 - Pre-Internship Seminar

Course Description:
This course prepares students for their Internship placement. Students will prepare their portfolios, work on professional skills, and identify their internship placements.
Credit Hours: 1 Additional Restrictions/Requirements:
Senior standing or consent of instructor.
Course Repeatability: Course may not be repeated.

HEA 498 - Internship in Community Health Education

Course Description:
Supervised internship placement in the community. Applies theory to practical application in Community Health Education. Requires a minimum of 300 hours of supervised fieldwork. Majors / Concentrations only or permission of instructor.
Credit Hours: 5 Prerequisite Courses: HEA 497 Additional Restrictions/Requirements:
Senior standing.
University Studies: ["Explorations Beyond the Classroom/Certified Internship Program"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 5 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

HFE 221 - First Aid and Injury Care

Course Description:
This course is designed to introduce students to the mechanisms, underlying prevention, and care of various injuries and illnesses associated with an active lifestyle. Topics include: emergency procedures, legal concerns and injury prevention and care. It also includes instruction to potentially obtain certification in the following: CPR/AED for the Healthcare Provider.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

HFE 235 - Foundations of Health and Physical Education

Course Description:

Introductory course in the Health and Applied Human Sciences teacher education program that examines historical, sociological, and philosophical foundations of health and physical education. The course addresses past and current trends in K-12 health and physical education. The course introduces the national and state education standards for healthful living.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

HFE 294 - Healthful Living and Fitness Education Study Abroad I

Course Description:

This course provides Healthful Living and Fitness Education undergraduate study abroad opportunities.

Credit Hours: 1 To 6 University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated.

HFE 300 - Principles of the edTPA: Teacher Performance Assessment

Course Description:

This course provides Healthful Living Education majors with opportunities to apply content and skills from their education coursework to teacher licensure assessments such as the edTPA. The course focuses on how teacher candidates can use educational theory, health behavior theory, academic language, differentiation, and developmentally appropriate practices to be successful in obtaining a teaching license in the state of North Carolina. Co-requisite: HEA 304 OR HFE 386.

Credit Hours: 1 Corequisite Courses:

HEA 304

Additional Restrictions/Requirements:

Restricted to Healthful Living and Fitness Education majors, K-12 Teacher Licensure Track.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 1 Major Restriction: Healthful Living and Fitness Education

HFE 336 - Coaching, Sport, and Society

Course Description:

The application of philosophical and psychological knowledge and principles to the administration and coaching of sports. This course also explores the role of sports around the world, and how the games we watch and play shape identity, culture, and society.

Credit Hours: 3 Course Repeatability: Course may not be repeated. Additional Course Fees: ["None"]

HFE 345 - Childhood Obesity

Course Description:

Focuses on the methods used in the assessment, prevention and treatment of childhood obesity. In addition, this course will examine the etiology of obesity and the role that human behaviors and an active lifestyle play in the overall health and well-being of children.

Credit Hours: 3 University Studies: ["Understanding Human Institutions and Behaviors"] Course Repeatability: Course may not be repeated.

HFE 348 - Practicum in Lifetime Fitness and Health

Course Description:

Supervised practicum in a health and fitness setting. Relates theory to practical application in the field. Placements chosen from community, commercial, personal training, fitness and sports settings for people of all ages. Requires a minimum of 100 hours of field work.

Credit Hours: 3 Prerequisite Courses:

HFE 390 with a C- or better or PED 390 with a C- or better.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

HFE 350 - Motor Behavior

Course Description:

Motor skill acquisition, control, and performance. Physiological and psychological principles of human growth and development. Includes analysis of the sequential

progression of fundamental motor skills from infancy through adulthood with primary focus on school-age children.
Credit Hours: 3 Prerequisite Courses:
(BIO 240 with a C- or better and BIOL 240 with a C- or better) or (EXS 216 with a C- or better and EXSL 216 with a C- or better).
Course Repeatability: Course may not be repeated.

HFE 385 - Health and Physical Education Curriculum Development

Course Description:
Provides conceptual tools and analytical skills essential to planning, implementing, and evaluating instruction. The design of instruction that incorporates behavioral, cognitive and constructivist theories of learning and views of curriculum will be considered. Provides the student with the knowledge, skills and resources to develop curricular materials consistent with state and national guidelines.
Credit Hours: 3 Prerequisite Courses:
HFE 235 with a C- or better or PED 235 with a C- or better.
Course Repeatability: Course may not be repeated.

HFE 386 - Physical Activity Pedagogy I

Course Description:
Provides students theory, technique, and methods of developing and implementing developmentally appropriate healthful living for grades K-5. Emphasis on teaching effectiveness, planning, writing learning objectives, integration of technology and contemporary curricular models. Field experience is required.
Credit Hours: 4 Prerequisite Courses:
HFE 235 with a C- or better or PED 235 with a C- or better.
Course Repeatability: Course may not be repeated.

HFE 387 - Physical Activity Pedagogy II

Course Description:
Provides students theory, technique, and methods of developing and implementing developmentally appropriate healthful living for grades 6-12. Emphasis on teaching effectiveness, planning, writing learning objectives, integration of technology and contemporary curricular models. Field experience is required.

Credit Hours: 0 Prerequisite Courses:

HFE 235 with a C- or better or PED 235 with a C- or better.

University Studies: ["Critical Reasoning"] Course Repeatability: Course may not be repeated.

HFE 390 - Advanced Concepts of Personal Training

Course Description:

This course provides students with the necessary theoretical competencies required of a qualified personal trainer. Each content domain covered on the NCSF national certification exam is supported by activities and teaching strategies so students may successfully challenge the NCSF-CPT exam upon completion of the program.

Credit Hours: 3 Prerequisite Courses:

EXS 216 and EXSL 216

Course Repeatability: Course may not be repeated.

HFE 391 - Health Behavior Theory Applications

Course Description:

The course will utilize authentic application of health behavior theory constructs to current health issues and trends (nutrition, physical activity, obesity, safer sex practices, alcohol, tobacco, and other drugs) to improve teaching and behavior modification effectiveness.

Credit Hours: 3 University Studies: ["Understanding Human Institutions and Behaviors"] Course Repeatability: Course may not be repeated.

HFE 410 - Seminar in Physical Education

Course Description:

Culmination of professional study and initiation into student teaching and the teaching profession. Provides opportunities to extend and apply understandings of the roles of the teacher as a decision-maker, particularly in the areas of planning, instruction, management, and evaluation.

Credit Hours: 1 Prerequisite or Corequisite Courses:

EDN 409 with a C- or better.

Course Repeatability: Course may not be repeated.

HFE 415 - Adapted Physical Activity

Course Description:

Provide students theoretical and practical knowledge to plan and implement appropriate physical activity programs for individuals with disabilities in integrated and inclusive settings.

Credit Hours: 0 Prerequisite Courses:

(EXS 216 with a C- or better and EXSL 216 with a C- or better) or (BIO 240 with a C- or better and BIOL 240 with a C- or better).

Additional Restrictions/Requirements:

Senior standing, prerequisite courses, or consent of instructor.

University Studies: ["Writing Intensive", "Information Literacy"] Course Repeatability: Course may not be repeated. Additional Course Fees: ["Additional Fee - General Professional Internship Liability Insurance"] Additional Fees Link:

Additional Course Fee Schedule

HFE 491 - Directed Independent Study

Course Description:

Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.

Credit Hours: 1 To 3 Additional Restrictions/Requirements:

Junior or senior standing. Overall GPA of at least 2.0, and consent of instructor, department chair, and dean.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

HFE 494 - Healthful Living and Fitness Education Study Abroad II

Course Description:

This course provides Healthful Living and Fitness Education advanced undergraduate study abroad opportunities.

Credit Hours: 1 To 6 Additional Restrictions/Requirements:

Instructor approval

Course Repeatability: Course may be repeated.

PBH 105 - Explorations in Public Health

Course Description:

Please enter a description.
Lab:
General introduction to public health and how it interfaces with science and politics. Addresses the connectivity of public health and healthcare. The 3 P's of public health: prevent, protect and promote, and the roles of personal and social determinants of health are covered utilizing current public health events and initiatives. Partially satisfies University Studies II: Approaches and Perspectives/Understanding Human Institutions and Behaviors.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

PBH 234 - Introduction to Health Promotion and Education

Course Description:
Introduction to the field of Health Education/Promotion. History and philosophy of health education and the theoretical foundations are covered. The roles and responsibilities and typical settings in which Certified Health Education Specialists are employed are covered as well as the ethical principles that guide the profession.
Credit Hours: 3 Additional Restrictions/Requirements:
Minimum passing grade "C-" or above required in each PBH course to progress in the program. Open to PBH majors only.
Crosslisting:
HEA 234 .
Course Repeatability: Course may not be repeated.

PBH 290 - Foundations of Public Health

Course Description:
An overview of the public health profession with emphasis on the foundations of public health such as definitions, history, philosophy, ethics, evidence-based principles, and determinants of health.
Credit Hours: 3 Additional Restrictions/Requirements:
Minimum passing grade of "C-" or above required in each PBH course to progress in the program. Open to PBH majors only.
Course Repeatability: Course may not be repeated.

PBH 294 - Undergraduate Public Health Study Abroad I

Course Description:

This course provides Public Health undergraduate study abroad opportunities.
Credit Hours: 1 To 6 University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

PBH 295 - Public Health Practice

Course Description:
This course will examine public health practice and the role of B.S.- prepared public health professionals within the public health workforce. Students will examine the use of needs and community asset assessments in planning, implementing and evaluating public health programs. Grant writing skills will be introduced and case studies will be utilized to connect classroom instruction to real world examples of public health.
Credit Hours: 3 Additional Restrictions/Requirements:
Minimum passing grade of "C-" or above required in each PBH course to progress in the program. Open to PBH majors only.
Course Repeatability: Course may not be repeated.

PBH 299 - Introduction to Biostatistics

Course Description:
This course will introduce students to fundamental concepts in biostatistics and will guide students through real-world applications of biostatistics to public health problems. Topics covered will include descriptive statistics (i.e., measures of central tendency and variability), measures of extent of disease (i.e., prevalence, incidence, relative risk, risk difference, and odds ratio), probability, (e.g., measures of sensitivity and specificity), confidence intervals, hypothesis testing, sample size determination, and multivariable methods.
Credit Hours: 3 Additional Restrictions/Requirements:
Minimum passing grade "C-" or above required in each PBH course to progress in the program. Open to PBH majors only.
University Studies: ["Foundations/Mathematics and Statistics"] Course Repeatability: Course may not be repeated. Major Restriction: PBH

PBH 300 - Program Planning & Evaluation Methods for Health Promotion

Course Description:

Comprehensive health promotion program planning and evaluation that emphasizes assessment, community engagement, and intervention selection. Specifically, the course will examine health promotion program planning and evaluation models, needs and assets assessments, measurement, instrument development, reliability/validity assessments, measurement error, and process, impact, and outcome evaluation.

Credit Hours: 3 Prerequisite Courses:

PBH 234 with a minimum grade of C-.

Additional Restrictions/Requirements:

Open to Public Health majors with a Community Health Education or Global Health concentration. Minimum passing grade of "C-" or above required in each PBH course to progress in the program.

Course Repeatability: Course may not be repeated. Major Restriction: Public Health

PBH 305 - Program Planning

Course Description:

Comprehensive program planning will be examined. Students will follow general information and design specific operational details related to rationale for the program, promoting the program to decision makers, components of the program, and program evaluation. The final program plan will be field-ready for implementation.

Credit Hours: 3 Prerequisite Courses:

PBH 234 with a minimum grade of "C-".

Additional Restrictions/Requirements:

Minimum passing grade of "C-" or above required in each PBH course to progress in the program. Open to PBH majors only.

University Studies: ["Building Competencies/Writing Intensive"] Crosslisting:

HEA 305 .

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

PBH 310 - Social and Behavioral Determinants of Health

Course Description:

An overview of social and behavioral concepts related to public health with specific emphasis on behavioral theory and evidence-based practice. Examines the integration of health behavior, health theories and health promotion.

Credit Hours: 3 Additional Restrictions/Requirements:

Minimum passing grade of "C-" or above required in each PBH course to progress in the program. Open to PBH majors only.

Course Repeatability: Course may not be repeated.

PBH 315 - Health Program Implementation

Course Description:

Focus on implementation methods used in community and public health education. An overview of health education methods. Specific strategies for implementing health education for individuals and groups, coalition building, advocacy and policy change.

Credit Hours: 3 Prerequisite Courses:

PBH 234 and PBH 300 with a minimum grade of "C-" in each course.

Additional Restrictions/Requirements:

Minimum passing grade of "C-" or above required in each PBH course to progress in the program. Open to PBH majors only in Community Health Education or Global Health concentrations.

Course Repeatability: Course may not be repeated. Major Restriction: Public Health

PBH 320 - Foundations of Global Health

Course Description:

Overview of health around the world. The class will explore contemporary issues, problems, and controversies in global health and identify key global health challenges, their distributions, and prevention strategies.

Credit Hours: 3 Additional Restrictions/Requirements:

Minimum passing grade of "C-" or above required in each PBH course to progress in the program. Open to PBH majors only.

University Studies: ["Building Competencies/Information Literacy"] Crosslisting:

HEA 320 .

Course Repeatability: Course may not be repeated.

PBH 351 - Health Communication

Course Description:

Contemporary health communication issues will be studied including communication strategies, models, and theories that enhance the delivery of public health programs

in various settings. Micro-level and macro-level applications emphasized.
Credit Hours: 3 Additional Restrictions/Requirements:
Minimum passing grade of "C-" or above required in each PBH course to progress in the program.

Crosslisting:
HEA 351 .
Course Repeatability: Course may not be repeated.

PBH 352 - Intercultural Communication in Global Health

Course Description:
This course will examine basic concepts and principles of effective intercultural communication. This course addresses the concept that culture plays a large role in shaping each individual's health-related values, beliefs, and behaviors, and impacts decision making regarding seeking care and/or treatment. This course will develop students' intercultural communication skills needed to address global health disparities, both in international and domestic settings.
Credit Hours: 3 Additional Restrictions/Requirements:
Minimum passing grade of "C-" or above required in each PBH course to progress in the program. Open to Public Health majors with a Global Health concentration.
Course Repeatability: Course may not be repeated. Major Restriction: Public Health; Public Health Studies

PBH 353 - Patient Communication in Healthcare

Course Description:
This course will examine the complexities of health communication with an applied health professional focus. Within the course, students will develop communication skills needed to initiate and maintain interpersonal and interprofessional relationships with patients, families, and other providers.
Credit Hours: 3 Additional Restrictions/Requirements:
Minimum passing grade of "C-" or above required in each PBH course to progress in the program. Open to Public Health majors with a Pre-Clinical concentration.
Course Repeatability: Course may not be repeated. Major Restriction: Public Health

PBH 354 - Aging and Communication

Course Description: This course explores how communication practices shape the lifelong aging process, focusing on life's middle and later years. The course will focus on the messages, social interactions, relationships, media, and communication technologies that influence the experience of aging. The course examines the intersections of aging and communication processes in intergenerational relationships, families, long-term marriages, media depictions of aging, communities, healthcare systems, and the workplace. The course will examine normal age-related changes to communication systems. Specifically, it will focus on age-related language, cognition, and social communication changes. Neurological cognitive-communicative disorders (e.g., aphasia, and dementia), which are often associated with aging, will also be discussed. Students will learn theories of aging and communication, read current research, and apply class concepts to improve their understanding of and relationships with older adults. Students will work with a local community agency for the final project. Field hours will be required. Credit Hours: 3 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3 Repeat Limit: 0 Major Restriction: Public Health or Gerontology

PBH 355 - Evaluation Methods

Course Description:

Prepares health professionals to conduct programmatic measurement and evaluation, including psychometric, statistical, political, and public health perspectives. The course includes measurement, steps in instrument development, reliability/validity assessment, measurement errors, and process evaluation.

Credit Hours: 3 Prerequisite or Corequisite Courses:

PBH 315 with a minimum grade of "C-".

Prerequisite Courses:

PBH 305 with a minimum grade of "C-".

Additional Restrictions/Requirements:

Minimum passing grade of "C-" or above required in each PBH course to progress in the program. Open to PBH majors only.

Crosslisting:

HEA 355

Course Repeatability: Course may not be repeated.

PBH 359 - Research Methods in Public Health

Course Description:

Designed to familiarize students with the fundamental principles, underlying research, and evaluative methods in public health. Focus will be on types of research design, sampling methodologies, statistical analysis, interpretation of

results, scholarly writing, and critical evaluation of research conclusions.
Credit Hours: 3 Prerequisite Courses:
PBH 299 with a minimum grade of "C-".
Additional Restrictions/Requirements:
Minimum passing grade of "C-" or above required in each PBH course to progress in the program. Open to PBH majors only.
University Studies: ["Building Competencies/Writing Intensive; Information Literacy"] Crosslisting:
HEA 359 .
Course Repeatability: Course may not be repeated.

PBH 395 - Health Promotion Practice

Course Description:
This course will examine various settings where health education and promotion efforts may be delivered, including: community based organizations, governmental public health agencies, schools, worksites, and higher education campuses. Students will be exposed to a variety of topics that are commonly addressed in these settings, including (but not limited to): drug and alcohol education, nutrition, injury and violence prevention, chronic disease prevention and management, relationship and sexual health, and emotional health and wellbeing. The course will emphasize ethical practices and inclusivity in the practical application and delivery of professional health education and promotion efforts.
Credit Hours: 3 Prerequisite or Corequisite Courses:
PBH 300 with a minimum grade of "C-".
Prerequisite Courses:
PBH 234 with a minimum grade of "C-".
Additional Restrictions/Requirements:
Minimum passing grade of "C-" or above required in each PBH course to progress in the program. Open to Public Health majors with a Community Health concentration.
Course Repeatability: Course may not be repeated. Major Restriction: Public Health

PBH 400 - Health Ethics Policy and Law

Course Description:
Overview of the ethical, political, and legal implications that influence public health. Emphasis on current public healthcare issues and policies.
Credit Hours: 3 Additional Restrictions/Requirements:
Minimum passing grade of "C-" or above required in each PBH course to progress in

the program. Open to PBH majors only.

University Studies: ["Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated.

PBH 401 - Foundations of Environmental Health

Course Description:

Overview of assessment, control, prevention, and safety of human health from environmental and occupational risk factors. Topics include pollution wastes, toxic metals, pesticides, radiation, vector borne diseases, and occupational injuries and stressors. Emphasizing deleterious effects of industrialization on developing countries, effects of globalization, and the rise of the environmental justice movement.

Credit Hours: 3 Additional Restrictions/Requirements:

Minimum passing grade of "C-" or above required in each PBH course to progress in the program. Open to PBH majors only; or consent of instructor.

Course Repeatability: Course may not be repeated.

PBH 435 - Public Health Organization and Administration

Course Description:

Focuses on the basic tools necessary to become effective managers and leaders in public health organizations. The main components and issues related to development and managing organizations, financing and delivery of health services will be discussed.

Credit Hours: 3 Additional Restrictions/Requirements:

Open to Public Health majors only.

Crosslisting:

HEA 435

Course Repeatability: Course may not be repeated.

PBH 452 - Epidemiology

Course Description:

Epidemiology overview and history; distributions of disease by time, place and person; association and causality; epidemiological study designs; population and attributable risk; sensitivity, specificity and screening; public health practice and

prevention; special issues in infectious and noninfectious disease epidemiology.
Credit Hours: 3 Prerequisite Courses:
PBH 359 with a minimum grade of "C-".
Additional Restrictions/Requirements:
Minimum passing grade of "C-" or above required in each PBH course to progress in the program. Open to PBH majors only.

University Studies: ["Building Competencies/Information Literacy", "Building Competencies/Writing Intensive"] Crosslisting:
HEA 452 .
Course Repeatability: Course may not be repeated. Major Restriction: PBH

PBH 491 - Directed Individual Study

Course Description:
Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.
Credit Hours: 1 To 3 Additional Restrictions/Requirements:
Junior or senior standing, overall GPA of at least 2.00, and consent of instructor, department chair and dean.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 9

PBH 494 - Undergraduate Public Health Study Abroad II

Course Description:
This course provides Public Health advanced undergraduate study abroad opportunities.

Credit Hours: 1 To 6 Additional Restrictions/Requirements:
Instructor approval
Course Repeatability: Course may be repeated.

PBH 495 - Pre-Internship Professional Seminar

Course Description:
The Pre-Internship Professional Seminar is designed as the last step of the Public Health program before students complete Internship and Capstone and prepare to

enter the workforce. Designed to be taken the semester prior to PBH 496 Capstone and PBH 497 Internship, this class focuses on developing professionalism and skills necessary to secure an internship and a job post graduation.

Credit Hours: 3 Additional Restrictions/Requirements:

Instructor approval required. Minimum passing grade of "C-" or above required in each PBH course to progress in the program. Open to PBH majors only.

Course Repeatability: Course may not be repeated. Major Restriction: PBH

PBH 496 - Capstone in Public Health

Course Description:

This course is designed to integrate and synthesize what has been covered in the other PBH courses as well as develop soft skills related to motivational interviewing and cultural humility. The course provides a culmination of learning experiences through a final project.

Credit Hours: 3 Corequisite Courses:

PBH 497 with a minimum grade of "C-".

Prerequisite Courses:

PBH 495 with a minimum grade of "C-".

Additional Restrictions/Requirements:

Minimum passing grade of "C-" or above required in each PBH course to progress in the program. Open to PBH majors only; senior standing; and instructor approval.

Course Repeatability: Course may not be repeated. Major Restriction: Public Health; Public Health Studies

PBH 497 - Internship in Public Health

Course Description:

Supervised internship placement in the community. Applies theory to practical application in public health. Requires 120-360 hours of supervised fieldwork, depending on concentration.

Credit Hours: 3 to 9 Corequisite Courses:

PBH 496 with a minimum grade of "C-".

Prerequisite Courses:

PBH 495 with a minimum grade of "C-".

Additional Restrictions/Requirements:

Minimum passing grade of "C-" or above required in each PBH course to progress in

the program. Open to PBH majors only; senior standing; 2.5 GPA; and instructor approval.
University Studies: ["Explorations Beyond the Classroom/Certified Internship Program"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 9 Major Restriction: Public Health; Public Health Studies

PBH 499 - Honors Work in Public Health

Course Description:
Independent study for honor students.
Credit Hours: 2 To 3 Additional Restrictions/Requirements:
Senior standing and eligibility for honors program.
University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

PED 103 - Physical Education Activity- Program of Outdoor Pursuits

Course Description:
Study of and participation in the skills and knowledge of various outdoor recreational activities in a natural setting. Minimum of 10 one-hour lecture sessions and a minimum of 11 excursion days. Travel and subsistence costs for activities borne by the student. (Non-majors may repeat PED 103, in a different activity area, only once.)
Credit Hours: 3 Prerequisite Courses:
PED 101 [Inactive]
Course Repeatability: Course may not be repeated.

PED 104 - Scuba

Course Description:
History, theory, and principles of scuba diving. Hyperbaric physiology equipment and development, use and maintenance; development of diving skills and diving safety. Meets all national certification requirements for confined water training for entry level scuba. Download medical history form and additional medical information: http://www.uncw.edu/hahs/chapman/HOMEPAGE.HTML/.
Credit Hours: 0 Or 2 Additional Restrictions/Requirements:
Proficiency in swimming skills and completion of a medical history form prior to first

class.
Course Repeatability: Course may not be repeated. Additional Course Fees: ["PE/Special Course Fee"] Additional Fees Link:
Additional Course Fee Schedule

PED 105 - Lifeguard Training

Course Description:
Training and certification for American Red Cross Lifeguard Training.
Credit Hours: 1 Course Repeatability: Course may not be repeated.

PED 106 - Beginning Swimming

Course Description:
Designed to teach one how to swim and to instruct the basic strokes including front crawl stroke, backstroke, breaststroke, sidestroke, elementary backstroke as well as survival swimming.
Credit Hours: 1 Course Repeatability: Course may not be repeated.

PED 107 - Basic Swimming and Water Safety

Course Description:
Development of competency in basic swimming strokes of front crawl, backstroke, and sidestroke; development of water safety skills and techniques.
Credit Hours: 1 Course Repeatability: Course may not be repeated.

PED 108 - Advanced Swimming

Course Description:
Emphasis on developing competencies in basic swimming strokes of front crawl, backstroke, breaststroke, sidestroke, elementary backstroke; turns; develop skill in lifesaving techniques, water safety and cardiovascular conditioning.
Credit Hours: 1 Course Repeatability: Course may not be repeated.

PED 109 - Water Safety

Course Description:
Designed to instruct students how to teach others the various skills and courses offered in the American Red Cross Swimming Programs.

Credit Hours: 1 Additional Restrictions/Requirements:

Possess current Red Cross Emergency Water Safety or Lifeguard Training Certificate.

Course Repeatability: Course may not be repeated.

PED 110 - Archery

Course Description:

Basic techniques and knowledge of target archery.

Credit Hours: 1 Course Repeatability: Course may not be repeated.

PED 111 - Beginning Tennis

Course Description:

Study of and participation in basic tennis skills including serve, volley, and ground strokes. Emphasis on improving proficiency in techniques and mechanics.

Credit Hours: 1 Course Repeatability: Course may not be repeated.

PED 112 - Intermediate Tennis

Course Description:

Study and participation in advanced tennis skills and knowledge of the various techniques and tactics, including application of mechanics and strategies.

Credit Hours: 1 Course Repeatability: Course may not be repeated.

PED 113 - Golf

Course Description:

Skills and knowledge of golf, including basic swing as well as rules and basic terms.

Credit Hours: 1 Course Repeatability: Course may not be repeated.

PED 114 - Bowling

Course Description:

Instruction and practice in the basic skills of bowling.

Credit Hours: 1 Course Repeatability: Course may not be repeated.

PED 115 - Weight Training

Course Description:
Knowledge, technique, and safety procedures of weight training and related activities.
Credit Hours: 1 Course Repeatability: Course may not be repeated.

PED 116 - Beginning Racquetball

Course Description:
Basic racquetball terminology, scoring and game procedures, including rules, court position, and basic strokes.
Credit Hours: 1 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 1

PED 117 - Intermediate Racquetball

Course Description:
Development of racquetball shots, game strategy, patterns of play, and defensive and offensive returns.
Credit Hours: 1 Course Repeatability: Course may not be repeated.

PED 118 - Beginning Racquetball-Tennis

Course Description:
Basic terminology, scoring, rules, court position, and strokes of racquetball and tennis.
Credit Hours: 1 Course Repeatability: Course may not be repeated.

PED 119 - Badminton-Tennis

Course Description:
Basic terminology, scoring, rules, court position, and strokes of badminton and tennis.
Credit Hours: 1 Course Repeatability: Course may not be repeated.

PED 120 - Group Exercise

Course Description:
Cardiovascular fitness program which incorporates physiologically safe exercise movements to music. Intended to develop strength, flexibility, and improve

cardiorespiratory efficiency.
Credit Hours: 1 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 1

PED 121 - Soccer

Course Description:
Instruction and participation in the basic skills, strategy and application of rules of soccer. Experiences will include indoor soccer, small-sided games, full-sided matches, video sessions and lecture session.
Credit Hours: 1 Course Repeatability: Course may not be repeated.

PED 122 - Volleyball

Course Description:
Instruction and participation in the basic skills, strategy and application of rules of volleyball.
Credit Hours: 1 Course Repeatability: Course may not be repeated.

PED 123 - Physical Conditioning

Course Description:
A personal physical conditioning program including systems of fitness emphasizing circuit training, interval training, and calisthenics.
Credit Hours: 1 Course Repeatability: Course may not be repeated.

PED 124 - Basic Canoeing and Kayaking

Course Description:
Introduction to theory, navigation rules, equipment, and basic skills of canoeing and kayaking. Emphasis on safety and practice of canoeing and kayaking on coastal waters.
Credit Hours: 1 Course Repeatability: Course may not be repeated.

PED 125 - Basic Sailboarding

Course Description:
Introduction to theory, navigation rules, equipment, and basic skills of sailboarding. Emphasis on safety and practice of sailing skills.

Credit Hours: 1 Course Repeatability: Course may not be repeated.

PED 126 - Beginning Snow Skiing

Course Description:
Knowledge, safety, conditioning, and basic skills of snow skiing. (Fee plus off-campus lodging and equipment costs; dates and location TBA.)
Credit Hours: 1 Course Repeatability: Course may not be repeated.

PED 127 - Motor Boat Operation

Course Description:
Introduction to theory, navigation, navigation rules, safety, weather, fire, rescue and seamanship involved in motor boating. Successful completion results in certification by the National Association of State Boating Law Administrators.
Credit Hours: 1 Additional Restrictions/Requirements:
Consent of instructor.
Course Repeatability: Course may not be repeated.

PED 134 - Dance Techniques I

Course Description:
Introduction to the fundamentals of classical ballet or modern dance. Emphasis on proper body alignment, terminology, strength and flexibility training, and beginning ballet or modern dance movement vocabulary.
Credit Hours: 2 Crosslisting:
["THR 134 "]
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

PED 136 - Movement Exploration

Course Description:
Study through creative dance techniques of the body's potential as a tool for creative expression. Exploration of the relationship as a tool for creative expression. Exploration of the relationship of dance to other art forms. Solo and group work using basic art concepts and the individual's own experience as material for movement improvisation and composition. No dance training necessary.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and

Literary Perspectives"] Crosslisting:
["THR 136 "]
Course Repeatability: Course may not be repeated.

PED 138 - Hatha Yoga

Course Description:
An introduction to the various aspects of Yoga, including Hatha Yoga postures, breathing techniques, and deep relaxation.
Credit Hours: 1 Course Repeatability: Course may not be repeated.

PED 140 - Walking Fitness

Course Description:
Walking Fitness (1) Safe and effective techniques of developing and maintaining fitness through walking.
Credit Hours: 1 Course Repeatability: Course may not be repeated.

PED 142 - Jogging Fitness

Course Description:
Safe and effective techniques of developing and maintaining fitness through jogging.
Credit Hours: 1 Course Repeatability: Course may not be repeated.

PED 150 - Beginning Sailing

Course Description:
Theory, navigation rules, equipment, and basic skills of sailing. Emphasis on safety and practice of sailing skills. (Fee required, dates and location TBA)
Credit Hours: 1 Course Repeatability: Course may not be repeated. Additional Course Fees: ["PE/Special Course Fee"] Additional Fees Link:
Additional Course Fee Schedule

PED 199 - Topics in Physical Education

Course Description:
Selected topics in physical education.
Credit Hours: 1 To 3 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

PED 200 - Instructional Design in Educational Dance and Gymnastics K-12

Course Description:

This course develops instructional skills in planning, teaching, and evaluation psychomotor, cognitive, and affective learning in educational dance and gymnastics K-12.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

PED 201 - Lifelong Physical Education Programming - Individual and Dual

Course Description:

Development and enhancement of the knowledge and skills necessary for the designing of traditional and lifelong individual and dual physical education programs.

Credit Hours: 3 Prerequisite Courses:

Prerequisite or corequisite: HFE 235 , or consent of instructor.

Course Repeatability: Course may not be repeated.

PED 202 - Lifelong Physical Education Programming- Team

Course Description:

Development and enhancement of knowledge and skills necessary for the designing of traditional and lifelong team physical education programs.

Credit Hours: 3 Prerequisite Courses:

Prerequisite or corequiste: HFE 235 , or consent of instructor

Course Repeatability: Course may not be repeated.

PED 206 - Global Dance and Culture

Course Description:

Provides an opportunity to experience cultures and dance from around the world. Emphasis on the historical and cultural contributions of international dance forms such as international ballroom, Latin and folkloric dance; and other international dance forms.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

PED 216 - Human Anatomy and Physiology I

Course Description:
Study of seven of the eleven major organ systems as each relates to human movement and health.
Credit Hours: 0 Or 4 Course Repeatability: Course may not be repeated.

PED 217 - Human Anatomy and Physiology II

Course Description:
The human nervous, urinary, endocrine, digestive, and reproductive systems as related to health and movement.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

PED 226 - Intermediate Snow Skiing

Course Description:
Intermediate skills, knowledge, safety and conditioning for snow skiing. (Fee plus off-campus lodging and equipment costs; dates and location TBA.)
Credit Hours: 1 Additional Restrictions/Requirements:
Consent of instructor.
Course Repeatability: Course may not be repeated.

PED 234 - Dance Techniques II

Course Description:
Intermediate level ballet or modern dance class. Continued training in body alignment, technique, center floor work, and combinations of moving through space. Strong concentration on strength and flexibility training and emphasis on movement quality.
Credit Hours: 2 Prerequisite Courses: THR 134 or PED 134 Additional Restrictions/Requirements:
Prerequisite course or consent of instructor.
Crosslisting:
["THR 234 "]
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

PED 236 - Athletic Officiating

Course Description:

Rules, officiating techniques, and problems arising in officiating with emphasis on football, basketball, baseball, volleyball, and tennis.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

PED 266 - Applications of Computers in Physical Education and Health

Course Description:

Introduction to technology for students in physical education and health. Topics include microcomputer operations, computer software applications, the Internet, distance learning technologies, and ethics of computer use.

Credit Hours: 3 Additional Restrictions/Requirements:

Open to declared physical education majors only or by consent of instructor.

Crosslisting:

["EXS 266 ", "HEA 266 "]

Course Repeatability: Course may not be repeated.

PED 315 - Motor Development

Course Description:

Analysis of the sequential progression of fundamental motor skills from infancy through adolescence. Study of physical growth patterns and biological maturity as related to motor performance. Attention also given to perceptual motor programs for children. A field experience is required.

Credit Hours: 2 Prerequisite Courses:

PED 216

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated.

PED 320 - Methods of Teaching Motor Activity

Course Description:

Emphasis on instructional methodology appropriate to teaching motor skills and sports activities, formulation of objectives, and lesson planning. Includes practicum in teaching. A field experience is required.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

PED 335 - Readings in Physical Education

Course Description:

A comprehensive review of literature in physical education and related areas.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

PED 340 - Biomechanics of Sport and Exercise

Course Description:

Neuromuscular and mechanical principles of human movement with emphasis on movement analysis most often encountered in fitness activities and sport skills.

Credit Hours: 3 Prerequisite Courses:

PED 216 with a minimum grade of C- or BIO 240 with a minimum grade of C-

Crosslisting:

["EXS 321 "]

Course Repeatability: Course may not be repeated.

PED 342 - Skill Analysis for Sport and Physical Activity

Course Description:

Advanced analysis of sport and physical activity skills. Emphasis on observation, error detection and analysis, and improvement prescription. Focus on beginner to intermediate level of performance. Required physical performance of skills.

Credit Hours: 3 Prerequisite Courses:

PED 340

Additional Restrictions/Requirements:

PED major or EXS concentration/major.

Crosslisting:

["EXS 342 "]

Course Repeatability: Course may not be repeated.

PED 355 - Measurement and Evaluation of Human Physical Performance

Course Description:

Elementary statistical techniques used in research and interpretation of data; identification of physical fitness and movement components; evaluation of measures now available in the field and administration of performance tests.

Credit Hours: 3 Crosslisting:

["EXS 313 "]

Course Repeatability: Course may not be repeated.

PED 359 - Research and Evaluation in Health, Physical Education and Health

Course Description:

Methods of research in the fields of physical education and health. Identification of research problems, sampling methods, data analysis and interpretation, and planning of evaluation studies.

Credit Hours: 3 Prerequisite Courses:

PED 355

Crosslisting:

["EXS 310 ", "HEA 359 "]

Course Repeatability: Course may not be repeated.

PED 360 - Motor Learning

Course Description:

An introduction to the principles of motor learning, this course is concerned with the analysis and application of physiology and psychological principles related to the learning and performance of motor skills.

Credit Hours: 0 To 3 Course Repeatability: Course may not be repeated.

PED 379 - Sport, Physical Activity and the Law

Course Description:

An introduction to the legal aspects of amateur sport and physical activity, emphasizing the legal knowledge practitioners need to function effectively. Considers terminology, procedure, operations of the law, and case studies.

Credit Hours: 3 Additional Restrictions/Requirements:

Junior or senior standing.

Crosslisting:

["EXS 311 "]

Course Repeatability: Course may not be repeated.

PED 416 - Laboratory Techniques and Research Methods in Exercise Physiology

Course Description:

A study of laboratory techniques and research methods used to evaluate physiological response to exercise and training. Primarily a laboratory experience.

Credit Hours: 3 Additional Restrictions/Requirements:

Consent of instructor.

Course Repeatability: Course may not be repeated.

PED 421 - Methods of Coaching Baseball

Course Description:

Emphasis on strategy, fundamentals, techniques, training and related duties. Baseball

Credit Hours: 2 Course Repeatability: Course may not be repeated.

PED 422 - Methods of Coaching Basketball

Course Description:

Emphasis on strategy, fundamentals, techniques, training and related duties. Basketball

Credit Hours: 2 Course Repeatability: Course may not be repeated.

PED 423 - Methods of Coaching Football

Course Description:

Emphasis on strategy, fundamentals, techniques, training and related duties. Football

Credit Hours: 2 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 2

PED 424 - Methods of Coaching Track and Field

Course Description:

Emphasis on strategy, fundamentals, techniques, training and related duties. Track and Field.

Credit Hours: 2 Course Repeatability: Course may not be repeated.

PED 425 - Methods of Coaching Soccer

Course Description:

Emphasis on strategy, fundamentals, techniques, training and related duties. Soccer
Credit Hours: 2 Course Repeatability: Course may not be repeated.

PED 426 - Methods of Coaching Volleyball

Course Description:

Emphasis on strategy, fundamentals, techniques, training and related duties. Volleyball
Credit Hours: 2 Course Repeatability: Course may not be repeated.

PED 435 - Sport Management

Course Description:

Concepts, skills, and techniques necessary for the planning, implementation, management, and evaluation of educational, corporate, and commercial sport or fitness programs.
Credit Hours: 3 Additional Restrictions/Requirements:

Junior or senior standing.
Course Repeatability: Course may not be repeated.

PED 436 - Intramurals

Course Description:

The position of intramural activities in the overall program of physical education. Analysis of problems involved in the administration and organization with emphasis on the practical approach in school systems.
Credit Hours: 3 Additional Restrictions/Requirements:

Junior or senior standing.
Course Repeatability: Course may not be repeated.

PED 440 - Selected Topics Exercise Science

Course Description:

Selected topics in exercise science, including exercise prescription and program planning for pediatric, adolescent, adult and older adult population.

Credit Hours: 3 Prerequisite Courses:

PED 355

Additional Restrictions/Requirements:

Senior standing.

Course Repeatability: Course may not be repeated.

PED 455 - Advanced Tests and Measurements in Physical Education

Course Description:

Statistical techniques as applied to research in physical education; measurement and evaluation in areas of agility, balance, power, flexibility, kinesthetic perception and anthropometrics.

Credit Hours: 3 Prerequisite Courses:

PED 355

Course Repeatability: Course may not be repeated.

PED 460 - Sport and Exercise Psychology

Course Description:

Study of psychological knowledge and principles as they relate to sport and exercise participants and the sport and exercise environment. Emphasis on practical application of psychological concepts related to sport and exercise.

Credit Hours: 3 Additional Restrictions/Requirements:

Junior or senior standing.

Course Repeatability: Course may not be repeated.

PED 470 - Exercise Prescription and Assessment: Healthy Population

Course Description:

Concepts of health related physical fitness with emphasis on the design of an individualized exercise program for all ages within an apparently healthy population.

Credit Hours: 0 Or 4 Crosslisting:

["EXS 411 "]

Course Repeatability: Course may not be repeated.

PED 471 - Exercise Prescription and Assessment: Special Populations

Course Description:

Concepts of health related physical fitness with emphasis on the design of safe and appropriate individualized exercise programs for all ages within various special populations.

Credit Hours: 3 Prerequisite Courses:

PED 470

Crosslisting:

["EXS 421 "]

Course Repeatability: Course may not be repeated.

PED 481 - Seminar in Athletic Training

Course Description:

Study of and exposure to various medical providers that make up the 'Sports Medicine Team,' current issues and topics that deal with professional growth and development, ethics and employment opportunities. A minimum 250-hour practical assignment is required for this course.

Credit Hours: 3 Additional Restrictions/Requirements:

Athletic training majors only and consent of instructor.

Course Repeatability: Course may not be repeated.

PED 498 - Internship in Physical Education

Course Description:

Practical application of theory of physical education, health, and exercise science within the community, clinical, or industrial setting. Students shall complete 300 hours under the direct guidance of the agency's site supervisor.

Credit Hours: 12 Prerequisite Courses: PED 470 Additional Restrictions/Requirements:

Senior standing.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

PED 499 - Honors Work in Physical Education

Course Description:

Independent study for honors students.

Credit Hours: 2 To 3 Additional Restrictions/Requirements:

Senior standing and eligibility for honors program.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

PEDL 101 - Physical Activity and Wellness Lab

Course Description:

Participation in physical activity, increased awareness and development of using physical activity to enhance all aspects of well-being, increased awareness and development of a well-rounded lifestyle. Physical Activity and Wellness LAB is a 1-credit course.

The purpose of this course is threefold: 1) to provide you with instruction and guidance during participation in lifetime physical activities (i.e., cardiovascular, resistance and flexibility) to improve your fitness, health and wellness, 2) to recognize the multidimensional nature of wellness and its reciprocal relationship with physical activity, and 3) to enhance self-awareness and self-management skills associated with lifelong physical activity. Course activities and assignments are specifically designed to improve your knowledge, beliefs, motivations, skills, and behaviors to aid in your lifetime journey of being active.

Credit Hours: 1 Prerequisite Courses:

PED 101 [Inactive]

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 9

REC 265 - Leisure and Society

Course Description:

An introduction to leisure as a significant force in contemporary life. The importance of leisure for individuals, groups and cultures is explored through social, technological, psychological, historical, philosophical, anthropological, and economic foundations.

Credit Hours: 3 Additional Restrictions/Requirements:

Open to REC majors and minors or consent of instructor.

University Studies: ["Approaches and Perspectives/Understanding Human Institutions and Behaviors"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

REC 266 - Computers, Research and Evaluation in Recreation

Course Description:

Computer applications in recreation service and introduction to research and evaluation procedures. Includes the use of computers in the conduct of research and evaluation.

Credit Hours: 3 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

REC 270 - Program Planning and Leadership

Course Description:

An introduction to recreation program planning, including: needs assessments, organization, implementation, and evaluation of leisure services.

Credit Hours: 3 Additional Restrictions/Requirements:

Appropriate major or minor, or consent of instructor.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

REC 294 - Undergraduate Tourism, Recreation, and Sport Study Abroad I

Course Description:

This course provides Tourism, Recreation, and Sport undergraduate study abroad opportunities.

Credit Hours: 1 To 6 University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated.

REC 303 - Recreation for Everyone

Course Description:

This course explores the various social and cultural factors that shape the management and operation of recreation, sport, and tourism organizations. Students will examine topics such as social identities, bias, common terminology, and the dynamics of power and influence within organizations and communities. Through discussions and case studies, the course will encourage students to develop a broader perspective on workplace and community interactions while enhancing their ability to work effectively with all individuals.

Credit Hours: 3 Prerequisite Courses:

REC 265 and REC 270.

Additional Restrictions/Requirements:

REC majors and minors only or permission of instructor.

University Studies: ["Approaches and Perspectives/Living in Our Diverse Nation"] Course Repeatability: Course may not be repeated.

REC 330 - Excellence in Service Quality

Course Description:

Principles of managing and delivering excellent service quality tourism, hospitality, and recreational organizations or agencies. Emphasis on how to design a service plan, formulate service design, develop a service culture, and organize service delivery and recovery.

Credit Hours: 3 Prerequisite Courses:

REC 375

Additional Restrictions/Requirements:

REC majors and minors only or by permission of instructor.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

REC 348 - Practicum in Recreation Services

Course Description:

Supervised practicum in a recreation setting. Relates theory to practical application in the field. Placements chosen from community, commercial, outdoors or therapeutic settings. Requires a minimum of 100 hours of field work.

Credit Hours: 3 Prerequisite Courses:

REC 265 and (REC 270 or RTH 368)

Additional Restrictions/Requirements:

REC majors and minors only or permission of instructor.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link: Additional Course Fee Schedule

REC 359 - Research and Evaluation in Tourism, Recreation, and Sport

Course Description:

Designed to familiarize students with fundamental principles underlying research

methods. Included are basic procedures for conducting experimental, descriptive, historical, qualitative research, computer applications, basic measurement, statistical methods, critical thinking, and scholarly writing.
Credit Hours: 3 Prerequisite Courses:
REC 265 .
University Studies: ["Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

REC 362 - Special Issues in Recreation, Sport Leadership and Tourism Management

Course Description:
Field methods/techniques through on-site interaction with recreation, sport or tourism professionals and/or natural resource managers and observation of practical management activities and strategies. Extensive field trips and field immersion required.
Credit Hours: 1 To 6 Prerequisite Courses: REC 265 Additional Restrictions/Requirements:
Prerequisite course or consent of instructor.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

REC 366 - Coastal Recreation Resource Management

Course Description:
An in-depth study of coastal legislation, resources, issues and management. Special attention is given to understanding recreation in the coastal zone, conflicts among competing coastal resource users, and current issues pertaining to North Carolina's coastal environment.
Credit Hours: 3 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

REC 370 - Tourism and Health

Course Description:
Examination of key components relating tourism and health. Covers concepts including tourism wellness and quality of life, medical tourism, disease and travel, impact of tourism on the health of communities, and the role of tourism operators to promote healthy travel.
Credit Hours: 3 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours:

3

REC 371 - Heritage Tourism

Course Description:

Heritage is an important part of tourism. This course will introduce students to key concepts and issues in heritage tourism, and will critically address topics such as heritage tourism resources, the politics of heritage tourism, and the relationship between heritage and authenticity.

Credit Hours: 3 Course Repeatability: Course may not be repeated

REC 372 - Foundations of Public, Nonprofit, & Community Recreation

Course Description:

Compare and contrast philosophical perspectives of public, non-profit and community recreational management, investigate resource allocations, discuss the historical relevance of each sector, investigate social, environmental, and economic trends within each sector, and introduce professional organizations at all levels.

Credit Hours: 3 Prerequisite Courses:

REC 265 , REC 270 .

Course Repeatability: Course may not be repeated. Major Restriction: REC

REC 373 - Outdoor Rec and Protected / Conservation Areas

Course Description:

This class will examine the historical and philosophical foundations of protected and conservation areas; provide an overview of the types of resources and services generally included in protected and conservation areas and best practices for their management; consider trends in outdoor recreation participation and the related demands placed upon protected and conservation areas; and introduce students to several professional outdoor recreation organizations.

Credit Hours: 3 Prerequisite Courses:

REC 265 , REC 270 .

Additional Restrictions/Requirements:

Restricted to REC majors.

Course Repeatability: Course may not be repeated. Major Restriction: REC

REC 374 - Recreational Management of Parks

Course Description:

An overview of the techniques associated with the planning, development, management, and interpretation of private and public lands for recreational purposes. The course examines the relationships between recreation visitors, the resource base, and management policies both domestically and internationally.

Credit Hours: 3 Prerequisite Courses:

REC 265 , REC 270 .

Course Repeatability: Course may not be repeated. Major Restriction: REC

REC 375 - Leadership and Management in Tourism, Recreation, and Sport

Course Description:

Principles and practices of contemporary leisure service management, particularly the effective and efficient management of human, fiscal, informational, and physical resources through planning, organizing, directing, leading, and controlling decisions. Tutorials, case studies, and computer applications.

Credit Hours: 3 Prerequisite Courses:

REC 265 and REC 270 .

Additional Restrictions/Requirements:

REC majors and minors only or permission of instructor.

University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

REC 380 - Marketing for Tourism, Recreation, and Sport

Course Description:

Development of marketing plans and strategies for recreation, sport and tourism industries. Emphasis on analyzing the marketing process and planning the marketing mix.

Credit Hours: 3 Additional Restrictions/Requirements:

REC majors and minors only or permission of instructor.

University Studies: ["Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

REC 381 - Meetings, Expositions, Special Events and Conventions

Course Description:

An overview of the convention, exposition, meeting, and convention and visitors bureau industries and the career options within; provision of an essential understanding of the components involved in the operation of successful meetings, conventions, and special events.

Credit Hours: 3 Additional Restrictions/Requirements:

REC majors and minors only or permission of instructor.

Course Repeatability: Course may not be repeated. Major Restriction: REC Minor Restriction: REC

REC 384 - Popular Culture & Tourism

Course Description:

This course explores the many ways in which popular culture influences tourism and considers the underlying concepts that are common to many popular culture-influenced tourism experiences.

Credit Hours: 3 Prerequisite Courses:

REC 265 , REC 270 .

Additional Restrictions/Requirements:

Restricted to REC majors.

Course Repeatability: Course may not be repeated. Major Restriction: REC

REC 385 - Heritage Tourism

Course Description:

This course will introduce students to key concepts and issues in heritage tourism, and will critically address topics such as heritage tourism resources, the politics of heritage tourism, and the relationship between heritage and authenticity.

Credit Hours: 3 Prerequisite Courses:

REC 265 , REC 270 .

Additional Restrictions/Requirements:

Restricted to REC majors.

Course Repeatability: Course may not be repeated. Major Restriction: REC

REC 390 - Pre-Internship Seminar

Course Description:

Preparation for the internship experience with emphasis on development of professional behaviors that facilitate internship and career success. Instruction methods include readings, discussions, individual and group activities, and use of electronic media.

Credit Hours: 1 Additional Restrictions/Requirements:

Junior and senior standing, REC majors only, or consent of instructor.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 1

REC 391 - Sport, Culture and Society

Course Description:

An examination of the role of sport in contemporary American society, and how sport is linked to the structure and dynamics of social organizations. The impact of sports on culture, specifically: values, ethics, race, gender, discrimination, economics and the media will be studied.

Credit Hours: 3 Prerequisite Courses:

REC 265

Additional Restrictions/Requirements:

Open only to students within the REC major and minor or by permission of instructor.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

REC 392 - Organization and Leadership of Recreational Sports

Course Description:

Emphasis on the development of practical leadership skills, provided in a framework for understanding leadership dynamics. Evaluation and assessment of various leadership methods and techniques. Field work required.

Credit Hours: 3 Prerequisite Courses: REC 265 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

REC 393 - Campus Recreation and Sports Administration

Course Description:

Introduction to the multi-faceted recreational offerings provided by campus recreation departments, including planning, programming, administration, and the function of campus recreation. Field work required.

Credit Hours: 3 Prerequisite Courses:

REC 265

Additional Restrictions/Requirements:

REC majors and minors only or by permission of instructor.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

REC 394 - Recreational Sports and Fitness Facility Operations

Course Description:

Examination of key issues in recreational facility organization and management including facility operation, administration, and program promotion within a facility. Emphasis on supervision, maintenance, and operation of leisure areas and facilities. Field work required.

Credit Hours: 3 Prerequisite Courses:

REC 265

Additional Restrictions/Requirements:

REC majors and minors only or by permission of instructor.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

REC 395 - Instructional Methods in Recreational Sports

Course Description:

Skills and concepts needed to successfully organize, lead, teach, and coach recreational sport participants. Field work required.

Credit Hours: 3 Prerequisite Courses:

REC 265

Additional Restrictions/Requirements:

REC major and minors only.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

REC 396 - Leisure, Health, and Wellbeing

Course Description:

Examination of how recreation, parks and leisure contribute to the health and wellbeing of individuals, families, communities, and societies.

Credit Hours: 3 Prerequisite Courses:

REC 265 , REC 270 .

Additional Restrictions/Requirements:

Restricted to REC majors.

Course Repeatability: Course may not be repeated. Major Restriction: REC

REC 397 - Collegiate and Professional Sport Management

Course Description:

This course serves as an overview to the field of sport management and provides an opportunity for the exploration of effective management strategies and the body of knowledge associated with pursuing a career in sport management, specifically within professional and collegiate sport settings. Content will focus on the history, leadership, marketing, facility and event management, and financial principles within professional and collegiate sport. Additionally, topics specific to professional sport will cover communications, analytics, sales, sponsorships and licensing, while collegiate sport concepts will focus on governing bodies, compliance and Title IX, academics and eligibility, media relations, alumni relations and support services.

Credit Hours: 3 Prerequisite Courses:

REC 265 , REC 270 .

Additional Restrictions/Requirements:

Restricted to REC majors.

Course Repeatability: Course may not be repeated. Major Restriction: REC

REC 440 - Risk Management and Liability in Recreation Services

Course Description:

Examination of legal and legislative issues affecting the leisure delivery system in governmental, quasi-public, private, commercial, and institutional settings. Topics include terminology, risk management procedures, ordinances, regulatory law, licensing, legal redress, and constitutional law at the national and state levels.

Credit Hours: 3 Prerequisite Courses:

REC 375

Additional Restrictions/Requirements:

REC majors and minors only or permission of instructor.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

REC 448 - Advanced Field Experience in Recreation, Sport Leadership and Tourism Management

Course Description:

Advanced field placement experience specifically in a recreation, sport leadership or tourism setting. Course may be taken more than once; however, students are limited to six credit hours toward graduation. Course cannot be used as a substitute for content course. Field work required.

Credit Hours: 1 To 6 Prerequisite Courses:

REC 348

Additional Restrictions/Requirements:

REC majors and minors only or permission of instructor.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

REC 450 - Conflict and Organizational Politics in Recreation, Sport and Tourism

Course Description:

An experiential approach to the study of conflict management and organizational politics in recreation, sport and tourism leadership and administration. Emphasis on organizational politics, governing boards, and conflict resolution.

Credit Hours: 3 Prerequisite Courses:

REC 375

Additional Restrictions/Requirements:

REC majors and minors only or permission of instructor.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

REC 451 - Travel and Tourism

Course Description:

A description of the key components that make a global tourism designation a success: traveler's motivation, theories of behavior, planning, development, and forecasting supply and demand. Students also learn about the delicate and sensitive relationship tourism has with its surrounding social, natural, and coastal environment.

Credit Hours: 3 Prerequisite Courses:

REC 375

Additional Restrictions/Requirements:

REC majors and minors only or permission of instructor.

University Studies: ["Approaches and Perspectives/Living in a Global Society"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

REC 452 - Hospitality Management Operations

Course Description:

Analysis and evaluation of the operations behind management within the tourism and hospitality industries, specifically within food and beverage, transportation providers, attractions, tour operators and specialized tour segments such as the cruise industry and gaming.

Credit Hours: 3 Additional Restrictions/Requirements:

Open only to students in the REC major and minor or with permission of instructor.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

REC 453 - Hotel and Lodging Management

Course Description:

Decision making, analysis and process improvement in managing the major divisions of a lodging establishment.

Credit Hours: 3 Prerequisite Courses:

REC 375

Additional Restrictions/Requirements:

REC majors and minors only or permission of instructor.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

REC 454 - International Meeting Planning

Course Description:

The organization and production of international corporate meetings, seminars, events, and conferences using innovative and creative programs. It focuses on international planning considerations including organizing and/or hosting international events, managing finances internationally, cultural differences, international contracting, marketing, traveling overseas, and safety and security.

Credit Hours: 3 Prerequisite Courses:

REC 381

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

REC 465 - Recreation Facilities Planning and Design

Course Description:
Basic principles of planning and developing recreation areas and facilities. Emphasis on land use, current planning practices and standards, and facility design.
Credit Hours: 3 Prerequisite Courses: REC 375 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

REC 475 - Advanced Human Resource Management in Recreation

Course Description:
Examination and investigation of contemporary human resource management principles and techniques in the management of recreation services. Human resource management motivational theories and practices. In-depth case study analysis, simulations, and hands-on practical experiences.
Credit Hours: 3 Prerequisite Courses:
REC 375
Additional Restrictions/Requirements:
REC majors and minors only or permission of instructor.
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

REC 476 - Budgeting and Finance in Tourism, Recreation, and Sport

Course Description:
This course investigates basic economic principles behind managing finances and budgets in recreation, sport and tourism settings. Particular attention will be applied to revenue generation, specifically via grant writing, and creating and managing budgets.
Credit Hours: 3 Prerequisite Courses:
REC 375 .
Additional Restrictions/Requirements:
REC majors and minors only or consent of instructor.
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

REC 491 - Directed Individual Study

Course Description:

Please enter a description.

Credit Hours: 1 To 3 Prerequisite Courses:

REC 375

Additional Restrictions/Requirements:

REC majors and minors only, overall GPA of at least 2.0, junior or senior standing, and consent of instructor, school director and college dean.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

REC 494 - Study Abroad in Recreation, Sport Leadership and Tourism Management

Course Description:

An interdisciplinary introduction to recreation, sport leadership and tourism management field methods and investigation in foreign countries. Focused study on recreation, sport and/or tourism management issues and problems specific to host country on local, regional, and global scales. Course integrates field and classroom instruction.

Credit Hours: 1 To 6 Additional Restrictions/Requirements:

Consent of instructor.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

REC 495 - Seminar in Recreation

Course Description:

A culmination of study in the field of recreation. Discussion of selected topics concerning current issues and trends in the profession.

Credit Hours: 3 Prerequisite Courses: REC 375 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

REC 498 - Internship in Tourism, Recreation, and Sport

Course Description:

Program planning and administration in a tourism, recreation, and sport setting. A minimum of 480 hours and 12 consecutive weeks of fieldwork are required.

Credit Hours: 12 Additional Restrictions/Requirements:

REC major, senior standing and an overall 2.00 grade point average, completion of all other courses required for the major, and consent of instructor, school director and college dean.
University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12 Additional Course Fees: ["Additional Fee - Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

REC 499 - Honors Work in Recreation, Sport Leadership and Tourism Management

Course Description:

Independent study for honors students.
Credit Hours: 2 To 3 Additional Restrictions/Requirements:

REC major or minor, eligibility for honors program and senior standing.
University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

RSP 210 - The History and Evolving Roles of Respiratory Therapists

Course Description:

This introductory course to the field of Respiratory Care is designed to acquaint the student with responsibilities of the Respiratory Care Practitioner as a member of the healthcare team. Students will explore evidence-based approaches to respiratory therapy and draw contrast to applied practices within respiratory therapy.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

RSP 294 - Undergraduate Respiratory Therapy Study Abroad I

Course Description:

This course provides Respiratory Therapy undergraduate study abroad opportunities.
Credit Hours: 1 To 6 University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated.

RSP 300 - Fundamentals of Respiratory Care

Course Description:

This course introduces the role of the respiratory care practitioner within inter-professional teams and interacting with diverse populations. This course offers a comprehensive introduction to the respiratory care profession and keeps students up to date with the latest advances and trends in professional practice. Topics include medical gas administration, therapeutic devices, basic patient assessment, infection control, and medical terminology using proper written and oral communication methods to prepare students for clinical practice. Upon completion, students should be able to demonstrate competence in respiratory therapy concepts and procedures through written evaluations.

Credit Hours: 3 Prerequisite or Corequisite Courses:

RSP 330 with a C or better, RSP 301 with a C or better, RSP 302 with a C or better, RSP 303 with a C or better, and RSP 351 with a C or better.

Additional Restrictions/Requirements:

Restricted to RSP majors only.

Course Repeatability: Course may not be repeated. Major Restriction: RSP

RSP 301 - Cardiopulmonary Anatomy and Physiology

Course Description:

This course provides a concentrated study of cardiopulmonary anatomy and physiology essential to the practice of respiratory care. Emphasis is placed on cardiovascular and pulmonary physiology, acid/base balance, regulation of breathing, oxygen & carbon dioxide transport and blood gas interpretation. Upon completion, students should be able to demonstrate competence in these concepts through written evaluation.

Credit Hours: 3 Prerequisite or Corequisite Courses:

RSP 300 with a C or better, RSP 330 with a C or better, RSP 302 with a C or better, RSP 303 with a C or better, and RSP 351 with a C or better.

Additional Restrictions/Requirements:

Restricted to RSP majors only.

Course Repeatability: Course may not be repeated. Major Restriction: RSP

RSP 302 - Cardiopulmonary Pharmacology

Course Description:

This course covers medications used in the treatment of cardiopulmonary diseases. Emphasis is placed on the uses, actions, indications, administration, and hazards of

pharmacological agents. Students will be familiar with up-to-date evidence-based practices and clinical practice guidelines involving medication use in critical care. Upon completion, students should be able to demonstrate competence through written evaluations.

Credit Hours: 2 Prerequisite or Corequisite Courses:

RSP 300 with a C or better, RSP 330 with a C or better, RSP 301 with a C or better, RSP 303 with a C or better, and RSP 351 with a C or better.

Additional Restrictions/Requirements:

Restricted to RSP majors only.

Course Repeatability: Course may not be repeated. Major Restriction: RSP

RSP 303 - Patient Assessment

Course Description:

This course introduces the role of the respiratory care practitioner during the patient encounter. Topics will include the stages and spaces utilized to promote a positive encounter and the patient interview that promotes patient safety, integrity, and autonomy. Learners will be introduced to skills that support a complete patient examination through the assessment of medical records, physical findings, laboratory data, the chest radiograph, diagnostic and therapeutic interventions. Upon completion, students should be able to demonstrate competence in concepts in patient assessment through written evaluations.

Credit Hours: 3 Prerequisite or Corequisite Courses:

RSP 300 with a C or better, RSP 330 with a C or better, RSP 301 with a C or better, RSP 302 with a C or better, and RSP 351 with a C or better.

Additional Restrictions/Requirements:

Restricted to RSP majors only.

Course Repeatability: Course may not be repeated. Major Restriction: RSP

RSP 304 - Cardiopulmonary Diseases and Diagnostics

Course Description:

This course provides emphasis on diagnostic and therapeutic procedures associated with cardiopulmonary disease. Students will investigate the cause of cardiopulmonary diseases and the changes to structure & function of the human anatomy. Student will differentiate the etiology, clinical manifestations, pathogenesis, lab data and treatment for acute & chronic cardiopulmonary diseases.

Upon completion, students should be able to demonstrate competence in respiratory therapy concepts and procedures through written evaluations.
Credit Hours: 3 Prerequisite or Corequisite Courses:
RSP 306 with a C or better and RSP 352 with a C or better.
Prerequisite Courses:
RSP 301 with a C or better, RSP 302 with a C or better, RSP 303 with a C or better, RSP 306 with a C or better, and RSP 352 with a C or better.
Additional Restrictions/Requirements:
Restricted to RSP majors only.
Course Repeatability: Course may not be repeated. Major Restriction: RSP

RSP 306 - Introduction to Mechanical Ventilation

Course Description:
This course provides students an introduction of acute patient care and managing a critically ill patients on ventilators. Students will explore the indications, contraindications and hazards of invasive and non-invasive ventilation. Emphasis on the review of current approaches to ventilator management, monitoring techniques, graphics and weaning strategies. Upon completion, students should be able to demonstrate competence in respiratory therapy concepts and procedures in the intensive care unit through written evaluations.
Credit Hours: 3 Prerequisite or Corequisite Courses:
RSP 304 with a C or better and RSP 352 with a C or better.
Prerequisite Courses:
RSP 300 with a C or better, RSP 301 with a C or better, RSP 302 with a C or better, RSP 303 with a C or better, RSP 304 with a C or better, and RSP 352 with a C or better.
Additional Restrictions/Requirements:
Restricted to RSP majors only.
Course Repeatability: Course may not be repeated. Major Restriction: RSP

RSP 307 - Advanced Critical Care Management

Course Description:
This course introduces advanced methods of information gathering and decision making for the respiratory care professional. Topics include, cardiovascular & hemodynamic monitoring, special procedures, diagnostic & procedural imaging,

laboratory values, disease management in the intensive care unit, pharmacology and nutrition. Upon completion, students should be able to evaluate, design, and recommend appropriate care plans through written evaluations.

Credit Hours: 3 Prerequisite or Corequisite Courses:

RSP 402 with a C or better, RSP 308 with a C or better, RSP 309 with a C or better, and RSP 353 with a C or better.

Prerequisite Courses:

RSP 304 with a C or better, RSP 306 with a C or better, RSP 352 with a C or better, RSP 402 with a C or better, RSP 308 with a C or better, RSP 309 with a C or better, and RSP 353 with a C or better.

Additional Restrictions/Requirements:

Restricted to RSP majors only.

Course Repeatability: Course may not be repeated. Major Restriction: RSP

RSP 308 - Neonatal-Pediatric Respiratory Care

Course Description:

This course provides in-depth coverage of the concepts of neonatal and pediatric respiratory care. Emphasis is placed on neonatal & pediatric pathophysiology and on the special therapeutic needs of these populations. Upon completion, students will be able to demonstrate competence in these concepts through exams, written and laboratory evaluations.

Credit Hours: 1 to 3 Prerequisite or Corequisite Courses:

RSP 402 with a C or better, RSP 307 with a C or better, RSP 309 with a C or better, and RSP 353 with a C or better.

Prerequisite Courses:

RSP 304 with a C or better, RSP 306 with a C or better, RSP 352 with a C or better, RSP 402 with a C or better, RSP 307 with a C or better, RSP 309 with a C or better, and RSP 353 with a C or better.

Additional Restrictions/Requirements:

Restricted to RSP majors only.

Course Repeatability: Course may not be repeated. Major Restriction: RSP

RSP 309 - Respiratory Care Lab II

Course Description:

This course reinforces patient care skills using mechanical ventilation in a critical

care setting. Topics include introductions in the application and management of mechanical ventilation, assessment of underlying pathophysiology, and use of critical care monitoring, cardiovascular & hemodynamic monitoring, diagnostic imaging, laboratory values, diseases in the intensive care unit, pharmacology, and nutrition. This course includes advanced information gathering and decision-making for respiratory care professionals. Upon completion, students should be able to demonstrate competence in respiratory therapy concepts and critical care procedures through laboratory and simulated evaluations.
Credit Hours: 2 Prerequisite or Corequisite Courses:
RSP 304 with a C or better, RSP 306 with a C or better, and RSP 352 with a C or better.
Prerequisite Courses:
RSP 300 with a C or better, RSP 301 with a C or better, RSP 302 with a C or better, RSP 303 with a C or better, RSP 330 with a C or better, and RSP 351 with a C or better.
Additional Restrictions/Requirements:
Restricted to RSP majors only.
Course Repeatability: Course may not be repeated. Additional Course Fees: ["Additional Fee - Nursing Simulation Lab Fee"] Additional Fees Link:
Additional Course Fee Schedule
Major Restriction: RSP

RSP 313 - Critical Care Pharmacology

Course Description: This course covers medications used in the treatment of conditions or disorders used in a critical care setting. Emphasis is placed on the uses, actions, indications, administration, and hazards of pharmacological agents. Students will familiarize themselves with updated clinical practice guidelines and evidence-based practice recommendations. Upon completion, students should be able to demonstrate competence through written evaluations. Credit Hours: 2 Prerequisite or Corequisite Courses: RSP 304 with a C or better, RSP 306 with a C or better, RSP 309 with a C or better, RSP 352 with a C or better, RSP 402 with a C or better, RSP 307 with a C or better, RSP 308 with a C or better, RSP 353 with a C or better. Additional Restrictions/Requirements: RSP majors only Course Repeatability: Course may not be repeated. Major Restriction: RSP

RSP 320 - Exam and Career Preparation

Course Description:
This course provides preparation and reflection on the scope of practice for

respiratory therapy students entering the profession. Emphasis will be placed on competencies listed in the content matrix for both the Therapist Multiple Choice examination (TMC) and Clinical Simulation Examination (CSE). Upon completion, students will develop a portfolio of goals to include professional and academic credentials along with a short- and long-term career plan.

Credit Hours: 3 Prerequisite or Corequisite Courses:

RSP 412 with a C or better, RSP 403 with a C or better, RSP 470 with a C or better, and RSP 454 with a C or better.

Prerequisite Courses:

RSP 402 with a C or better, RSP 307 with a C or better, RSP 309 with a C or better, RSP 308 with a C or better, RSP 353 with a C or better, RSP 412 with a C or better, RSP 403 with a C or better, RSP 470 with a C or better, and RSP 454 with a C or better.

Additional Restrictions/Requirements:

Restricted to RSP majors only.

Course Repeatability: Course may not be repeated. Major Restriction: RSP

RSP 324 - Disease Management for Respiratory Therapists

Course Description:

This course provides practicing clinicians a foundation that augments their skills to enable them to competently perform the duties of a pulmonary disease manager. The emerging role of disease managers, among the respiratory therapy profession, is to enhance the quality of life of the patient with chronic disease. Emphasis is place on essential knowledge of pulmonary diseases, case management, care transition coordination, and elements of behavior for health promotion. Upon completion, students should be able to demonstrate competence though written evaluations.

Additional Restrictions/Requirements:

Restricted to RSP majors only.

University Studies: ["Approaches and Perspectives/Understanding Human Institutions and Behaviors", "Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated. Major Restriction: RSP

RSP 330 - Respiratory Care Lab 1

Course Description:

This course reinforces understanding of the role of the respiratory care practitioner within interprofessional teams and interactions with diverse patient populations. Activities include medical gas administration, aerosol delivery, respiratory therapeutics, airway management & trach care, introduction to non-invasive ventilation and medical terminology. Learners will practice skills that support a complete patient examination through the assessment of medical records, physical findings, laboratory data, the chest radiograph, and diagnostic and therapeutic interventions. Upon completion, students should be able to demonstrate competencies necessary to care for patients with cardiopulmonary disease and disorders that affect life functions.

Credit Hours: 2 Prerequisite or Corequisite Courses:

RSP 300 with a C or better, RSP 301 with a C or better, RSP 302 with a C or better, RSP 303 with a C or better, and RSP 351 with a C or better.

Additional Restrictions/Requirements:

Restricted to RSP majors only.

Course Repeatability: Course may not be repeated. Additional Course Fees: ["Additional Fee - Nursing Simulation Lab Fee"] Additional Fees Link:

Additional Course Fee Schedule

Major Restriction: RSP

RSP 351 - Clinical Practice I

Course Description:

This course provides supervised entry-level clinical experience via assigned medical facilities. Emphasis is placed on assessment, therapeutic techniques, non-invasive procedures, diagnostics and communication strategies within the scope of practice for respiratory care. Upon completion students should be able to demonstrate, through required performance evaluations, clinical competence and novice proficiency of patient care in an inter-professional setting.

Credit Hours: 1 Prerequisite or Corequisite Courses:

RSP 300 with a C or better, RSP 330 with a C or better, RSP 301 with a C or better, RSP 302 with a C or better, RSP 303 with a C or better.

Additional Restrictions/Requirements:

Restricted to RSP majors only.

Course Repeatability: Course may not be repeated. Additional Course Fees: ["Additional Fee - Liability Insurance"] Additional Fees Link:

Additional Course Fee Schedule

Major Restriction: RSP

RSP 352 - Clinical Practice II

Course Description:

This course provides continued supervised clinical experience via assigned rotations at medical facilities. Emphasis is placed on assessment, therapeutic techniques, invasive procedures, diagnostics and communication strategies within the scope of practice for respiratory care. Upon completion, students should be able to demonstrate clinical competence in bedside patient care in an interprofessional setting. Students will be evaluated through required performance evaluations that demonstrate appropriate levels of clinical knowledge in the respiratory therapy program.

Credit Hours: 2 Prerequisite or Corequisite Courses:

RSP 304 with a C or better and RSP 306 with a C or better.

Prerequisite Courses:

RSP 351 with a C or better, RSP 304 with a C or better, and RSP 306 with a C or better.

Additional Restrictions/Requirements:

Restricted to RSP majors only.

Course Repeatability: Course may not be repeated. Additional Course Fees: ["Additional Fee - Liability Insurance"] Additional Fees Link:

Additional Course Fee Schedule

Major Restriction: RSP

RSP 353 - Clinical Practice III

Course Description:

This course provides a supervised clinical experience on the critical care unit of acute care hospitals and an introduction to critical care medicine and mechanical ventilation. Emphasis is placed on assessment, therapeutic techniques, invasive procedures, diagnostics and communication strategies for patients on mechanical ventilation within the scope of practice for respiratory care. Upon completion, students should be able to demonstrate how to provide ventilatory support for critically ill patients in an interprofessional setting while showing compassion and teamwork.

Credit Hours: 2 Prerequisite or Corequisite Courses:

RSP 402 with a C or better, RSP 307 with a C or better, RSP 309 with a C or better,

and RSP 308 with a C or better.

Prerequisite Courses:

RSP 304 with a C or better, RSP 306 with a C or better, RSP 352 with a C or better, RSP 402 with a C or better, RSP 307 with a C or better, RSP 309 with a C or better, and RSP 308 with a C or better.

Additional Restrictions/Requirements:

Restricted to RSP majors only.

Course Repeatability: Course may not be repeated. Additional Course Fees: ["Additional Fee - Liability Insurance"] Additional Fees Link:

Additional Course Fee Schedule

Major Restriction: RSP

RSP 401 - Evidence-Based Practice in Respiratory Care

Course Description:

This course introduces concepts of evidence-based practice in respiratory care. Learners will be able to recognize the hierarchy of evidence and recognize different types of designs used in medical research. Learners will review medical research to identify evidence for current or new standards. Learners will develop a plan to collect and present data for the respiratory therapy capstone course. Upon completion, students should be able to demonstrate how to utilize clinical expertise, unique patient characteristics and best evidence to recognize evidence-based practice.

Credit Hours: 3 Prerequisite or Corequisite Courses:

RSP 402 with a C or better, RSP 307 with a C or better, RSP 309 with a C or better, RSP 308 with a C or better, and RSP 353 with a C or better.

Prerequisite Courses:

CHHS 411 with a C or better, RSP 402 with a C or better, RSP 307 with a C or better, RSP 309 with a C or better, RSP 308 with a C or better, and RSP 353 with a C or better.

Additional Restrictions/Requirements:

Restricted to RSP majors only.

Course Repeatability: Course may not be repeated. Major Restriction: RSP

RSP 402 - Advanced Techniques in Mechanical Ventilation

Course Description:

This course reinforces techniques to manage the critically ill patient through an

understanding of underlying pathophysiology. Topics include a continuation in the application and management of mechanical ventilation, specialty modes of mechanical ventilation, and techniques related to difficult adult, pediatric and neonatal patients. Techniques related to adjunct therapies and treatments will include the use of ECMO, medical gases, esophageal balloons, prone positioning and recruitment maneuvers. Upon completion, students should be able to demonstrate competence in advanced respiratory therapy concepts and procedures through written evaluations.

Credit Hours: 3 Prerequisite or Corequisite Courses:

RSP 307 with a C or better, RSP 309 with a C or better, RSP 308 with a C or better, and RSP 353 with a C or better.

Prerequisite Courses:

RSP 304 with a C or better, RSP 306 with a C or better, RSP 352 with a C or better, RSP 307 with a C or better, RSP 309 with a C or better, RSP 308 with a C or better, and RSP 353 with a C or better.

Additional Restrictions/Requirements:

Restricted to RSP majors only.

Course Repeatability: Course may not be repeated. Major Restriction: RSP

RSP 403 - Healthcare Management and Leadership

Course Description:

This course will provide an overview of leadership qualities, and the impact leadership can have on the profession of respiratory care. The student will develop an understanding of the administrative and financial aspects of healthcare management. The student will be introduced to concepts related to strategic planning and healthcare marketing. The student will be introduced to concepts related to managing costs and revenues associated with department management. The student will also learn about human resources, legal, and policy concepts related to outpatient, inpatient, public, and private sectors. Upon completion, the student will demonstrate competence on the internal and external concepts that healthcare leaders and administrators face through written evaluations.

Credit Hours: 3 Prerequisite Courses:

RSP 410 with a C or better and RSP 353 with a C or better.

Additional Restrictions/Requirements:

Restricted to RSP majors only.

Course Repeatability: Course may not be repeated. Major Restriction: RSP

RSP 410 - Ethical Dilemmas in Healthcare

Course Description:

This course provides and introduction to ethical dilemmas for health care professionals from a legal framework. Topics will include strategies on how to recognize the legal and ethical issues that health care professionals face. Topics are based upon real-world scenarios and dilemmas from a variety of health care practitioners. Upon completion, students should be able to demonstrate competence in ethical and legal concepts through written evaluations.

Credit Hours: 3 Prerequisite Courses:

RSP 351 with a C or better.

Additional Restrictions/Requirements:

Restricted to RSP majors only.

Course Repeatability: Course may not be repeated. Major Restriction: RSP

RSP 412 - Cardiopulmonary Rehabilitation and Long-Term Care

Course Description:

This course focusses on the role of the respiratory care practitioners within interprofessional teams promoting cardiopulmonary wellness. This course provides an in-depth study of cardiopulmonary rehabilitation and alternatives to hospital care. Emphasis is placed on the procedures and technologies applied to cardiopulmonary rehabilitation, patient education, and alternatives within respiratory care practice. Upon completion, students should be able to design appropriate respiratory care plans for the home and extended care environments.

Credit Hours: 2 or 3 Prerequisite or Corequisite Courses:

RSP 403 with a C or better, RSP 470 with a C or better, RSP 320 with a C or better, and RSP 454 with a C or better.

Prerequisite Courses:

RSP 402 with a C or better, RSP 307 with a C or better, RSP 309 with a C or better, RSP 308 with a C or better, and RSP 353 with a C or better.

Additional Restrictions/Requirements:

Restricted to RSP majors only.

Course Repeatability: Course may not be repeated. Major Restriction: RSP

RSP 420 - Health Law and Ethics

Course Description:

This course provides and introduction to health law and ethical dilemmas through a series of case studies. Topics will include strategies on how to recognize the legal and ethical issues that health care professionals face. Topics are based upon real-world scenarios from a variety of health care practitioners. Upon completion, students should be able to demonstrate competence in concepts on health law and ethics through written evaluations.

Credit Hours: 3 Prerequisite or Corequisite Courses:

RSP 324 with a C or better.

Additional Restrictions/Requirements:

Restricted to RSP majors only.

Course Repeatability: Course may not be repeated. Major Restriction: RSP

RSP 421 - Information Literacy in Respiratory Care

Course Description:

This course introduces concepts of evidence-based practice in respiratory care. Learners will be able to recognize the hierarchy of evidence and recognize different types of designs used in medical research. Learners will review medical research to identify evidence for current or new standards. Learners will develop a plan to collect and present data for the respiratory therapy capstone course. Upon completion, students should be able to demonstrate how to utilize clinical expertise, unique patient characteristics and best evidence to recognize evidence-based practice.

Credit Hours: 3 Prerequisite or Corequisite Courses:

RSP 324 with a C or better, RSP 422 with a C or better, RSP 420 with a C or better, RSP 425 with a C or better, RSP 423 with a C or better, RSP 426 with a C or better, RSP 427 with a C or better, EXS 310 with a C or better, RSP 428 with a C or better, RSP 424 with a C or better.

Additional Restrictions/Requirements:

Restricted to RSP majors only.

University Studies: ["Building Competencies/Information Literacy", "Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated. Major Restriction: RSP

RSP 422 - Advanced Critical Care Respiratory Therapy

Course Description:

This course provides further refinement of acute patient care and underlying pathophysiology. Topics include a continuation in the application and management of mechanical ventilation, specialty modes of mechanical ventilation, and techniques related to complex diseases. Techniques related to adjunct therapies and treatments will include the use of ECMO, nitric oxide, prone positioning and recruitment maneuvers. Upon completion, students should be able to demonstrate competence in respiratory therapy concepts and procedures through written evaluations.

Credit Hours: 3 Prerequisite or Corequisite Courses:

RSP 324 with a C or better.

Additional Restrictions/Requirements:

Restricted to RSP majors only.

Course Repeatability: Course may not be repeated. Major Restriction: RSP

RSP 423 - Healthcare Policy and Administration

Course Description:

This course introduces healthcare concepts, using a case study approach, of Healthcare Policy and Administration in the healthcare industry. Topics include the role of healthcare management in a delivery system, contrasting management & leadership, organizational behaviors, strategic planning, quality improvement, information technology and finance. Upon completion, the student will demonstrate competence on the internal and external factors that healthcare managers and administrators face through written evaluations.

Credit Hours: 3 Prerequisite or Corequisite Courses:

RSP 324 with a C or better.

Additional Restrictions/Requirements:

Restricted to RSP majors only.

Course Repeatability: Course may not be repeated. Major Restriction: RSP

RSP 424 - Advanced Cardiopulmonary Pharmacology

Course Description:

This course covers the drugs used in the treatment of cardiopulmonary diseases.

Emphasis is placed on the efficacious practice of cardiopulmonary medications, that include, indications, administration, and hazards of pharmacological agents. Upon completion, students should be able to demonstrate competence though written evaluations.

Credit Hours: 3 Prerequisite Courses:

RSP 324 with a C or better.

Additional Restrictions/Requirements:

Restricted to RSP majors only.

Course Repeatability: Course may not be repeated. Major Restriction: RSP

RSP 425 - Advanced Cardiovascular Pathophysiology

Course Description:

This course identifies the structure and function of the cardiac pump and cardiovascular system's role in hemodynamics. Emphasis is placed on clinical signs and symptoms of pulmonary disease and respective treatments, protocols and evidence-based practice used in a local context by learners. Upon completion, students should be able to demonstrate competency in these concepts through written evaluation.

Credit Hours: 3 Prerequisite Courses:

RSP 324 with a C or better.

Additional Restrictions/Requirements:

Restricted to RSP majors only.

Course Repeatability: Course may not be repeated. Major Restriction: RSP

RSP 426 - Advanced Pulmonary Pathophysiology

Course Description:

This course identifies the and physiology of the pulmonary system and microcirculation of the lungs. We will review the pulmonary system and pathophysiology associated with lung disease. Emphasis is placed on clinical signs and symptoms of pulmonary disease and respective treatments, protocols and evidence-based practice used in a local context by learners. Upon completion, students should be able to demonstrate competence in respiratory therapy concepts and procedures through written evaluations.

Credit Hours: 3 Prerequisite Courses:

RSP 324 with a C or better.

Additional Restrictions/Requirements:

Restricted to RSP majors only.

Course Repeatability: Course may not be repeated. Major Restriction: RSP

RSP 427 - Advanced Renal and Endocrine Pathophysiology

Course Description:

This course identifies the and physiology of the renal and endocrine systems. We will review the pathophysiology associated with these systems and their impact on the cardiopulmonary system. Emphasis is placed on clinical signs and symptoms of renal and endocrine diseases and respective treatments, protocols and evidence-based practice used in a local context by learners. Upon completion, students should be able to demonstrate competence in respiratory therapy concepts and procedures through written evaluations.

Credit Hours: 3 Prerequisite Courses:

RSP 324 with a C or better.

Additional Restrictions/Requirements:

Restricted to RSP majors only.

Course Repeatability: Course may not be repeated. Major Restriction: RSP

RSP 428 - Neonatal-Pediatric Critical Care Pathophysiology

Course Description:

This course provides in-depth coverage of the concepts of neonatal and pediatric respiratory care. Emphasis is placed on neonatal and pediatric pathophysiology and on the special therapeutic needs of neonates and children in the intensive care unit. Upon completion, students will be able to demonstrate competence in these concepts through exams, written and laboratory evaluations.

Credit Hours: 3 Prerequisite Courses:

RSP 324 with a C or better.

Additional Restrictions/Requirements:

Restricted to RSP majors only.

Course Repeatability: Course may not be repeated. Major Restriction: RSP

RSP 432 - Subacute Care and Telemedicine in Respiratory Therapy

Course Description:

This course focusses on the role of the respiratory care practitioners within interprofessional teams promoting cardiopulmonary wellness. This course provides an in-depth study of cardiopulmonary rehabilitation and alternatives to hospital care. Emphasis is placed on the procedures and technologies applied to cardiopulmonary rehabilitation, patient education, and alternatives within respiratory care practice. Upon completion, students should be able to design appropriate respiratory care plans for the home and extended care environments.
Credit Hours: 3 Prerequisite Courses:
RSP 324 with a C or better.
Additional Restrictions/Requirements:
Restricted to RSP majors only.
University Studies: ["Approaches and Perspectives/Living in a Global Society"] Course Repeatability: Course may not be repeated. Major Restriction: RSP

RSP 454 - Clinical Practice IV

Course Description:
This course provides a supervised clinical experience on the critical care unit of acute care hospitals for adult, pediatric and neonatal patients. Emphasis is placed on assessment, therapeutic techniques, invasive procedures, diagnostics, and communication strategies for patients on mechanical ventilation within the scope of practice for respiratory care. Students will explore the use of adjunct devices and therapies in critical care with a focus on hemodynamic monitoring and instruments. Student rotations may extend to primary care facilities and pulmonary rehabilitation clinics.Upon completion, students should be able to demonstrate how to provide ventilatory support for critically ill patients in an interprofessional setting while showing compassion and teamwork.
Credit Hours: 3 Prerequisite or Corequisite Courses:
RSP 412 with a C or better, RSP 403 with a C or better, RSP 470 with a C or better, and RSP 320 with a C or better.
Prerequisite Courses:
RSP 402 with a C or better, RSP 307 with a C or better, RSP 308 with a C or better, RSP 309 with a C or better, RSP 353 with a C or better, RSP 412 with a C or better, RSP 403 with a C or better, RSP 470 with a C or better, and RSP 320 with a C or better.
Additional Restrictions/Requirements:
Restricted to RSP majors only.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated. Additional Course Fees: ["Additional Fee - Liability Insurance"] Additional Fees Link: Additional Course Fee Schedule
Major Restriction: RSP

RSP 470 - Capstone Project

Course Description:
This is the capstone course for the Respiratory Therapy Program and each student will develop and present a final project, which includes a research paper, poster, and community presentation. Students will identify and complete the projects by applying knowledge and skills learned in the program. Students will demonstrate how to utilize clinical expertise, unique patient characteristics and best evidence to recognize evidence-based practice.
Credit Hours: 3 Prerequisite or Corequisite Courses:
RSP 412 with a C or better, RSP 403 with a C or better, RSP 320 with a C or better, and RSP 454 with a C or better.
Prerequisite Courses:
RSP 402 with a C or better, RSP 307 with a C or better, RSP 309 with a C or better, RSP 308 with a C or better, RSP 353 with a C or better, RSP 412 with a C or better, RSP 403 with a C or better, RSP 320 with a C or better, and RSP 454 with a C or better.
Additional Restrictions/Requirements:
Restricted to RSP majors only.
University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated. Major Restriction: RSP

RSP 494 - Undergraduate Respiratory Therapy Study Abroad II

Course Description:
This course provides Respiratory Therapy advanced undergraduate study abroad opportunities.
Credit Hours: 1 To 6 Additional Restrictions/Requirements:
Instructor approval
Course Repeatability: Course may be repeated.

RTH 265 - Introduction to Recreation Therapy

Course Description:
This course is designed to introduce students to the field of recreation therapy. Definitions of recreation therapy, historical and professional development of recreation therapy services, allied disciplines, settings for service delivery, the recreation therapy process, disability etiquette, and populations are covered.
Credit Hours: 3 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3 Repeat Limit: 1 Major Restriction: RTH

RTH 286 - Assistance Dog Training I

Course Description:
Introduction of all aspects, roles and functions of assistance dogs in society and specifically to individuals with physical, neurological, psychiatric or emotional disabilities. Assistance dogs will be attending class on a regular basis. Service learning hours are required.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in Our Diverse Nation"] Course Repeatability: Course may not be repeated.

RTH 287 - Assistance Dog Training II

Course Description:
Students learn stage one training for assistance dogs, which includes assistance and therapy dogs, through hands-on demonstration and practice. Assistance and other dogs will be attending class on a regular basis. Service learning hours required.
Credit Hours: 3 Prerequisite Courses:
RTH 286 with C- or better
Additional Restrictions/Requirements:
Prerequisite course and consent of instructor.
Course Repeatability: Course may not be repeated.

RTH 290 - Facility Dog Training

Course Description:
Introduction to the implementation of animal assisted interventions (AAI) utilizing highly-trained facility dogs. Emphasis will be on the selection and preparation of a facility dog to include topics of the: human animal bond, appropriate placement/screening of dog and facility, and the utilization of these dogs with

multiple populations. Facility dogs and their handlers will be attending class on a regular basis.
Credit Hours: 3 Prerequisite Courses:
RTH 286 with a C- or better and RTH 287 with a C- or better
Additional Restrictions/Requirements:
Prerequisite courses or permission of Instructor.
Course Repeatability: Course may not be repeated. Additional Course Fees: ["Additional Fee - Liability Insurance"]

RTH 294 - Recreation Therapy Study Abroad I

Course Description:
This course provides Recreation Therapy undergraduate study abroad opportunities.

Credit Hours: 1 To 6 University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated.

RTH 295 - Special Topics in Recreation Therapy

Course Description:
Intensive study of selected topics of special interest in recreation therapy not covered in existing courses.
Credit Hours: 1 To 3 Additional Restrictions/Requirements:
Instructor approval
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 9 Repeat Limit: 2

RTH 303 - Inclusive Recreation Services

Course Description:
Designed to increase the awareness of and sensitivity to the recreation and leisure needs of persons with disabilities. Specific attention is given to programmatic and administrative strategies for inclusive services in a variety of recreation settings.
Credit Hours: 3 Additional Restrictions/Requirements:
RTH, REC and RST majors and minors only or consent of instructor.
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

RTH 348 - Practicum in Recreation Therapy

Course Description:

Supervised practicum in a health care or human service setting providing services to people with disabilities or illnesses. Relates theory to practical application in the field. Requires a minimum of 100 hours field work.

Credit Hours: 3 Prerequisite Courses:

RTH 265 with a C- or better.

Additional Restrictions/Requirements:

Permission of instructor.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link: Additional Course Fee Schedule

RTH 362 - Special Issues in Recreation Therapy

Course Description:

Field methods/techniques through on-site interaction with recreation therapy professionals and observation of evidenced-based intervention and/or management strategies and activities. Extensive field work required. Students are limited to 6 credit hours toward graduation.

Credit Hours: 1 To 6 Prerequisite Courses: RTH 368 Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

RTH 368 - Foundations of Recreation Therapy

Course Description:

This course will provide students with an understanding of the foundational elements key to the provision of quality recreation therapy services and overall recreation therapy service delivery. The following concepts will be explored in-depth: scope of service; service delivery models; social psychology theories; theories of play; recreation and leisure; therapeutic alliance; cultural competency; strengths-approach, and ethics.

Credit Hours: 3 Prerequisite or Corequisite Courses:

RTH 265 with a C - or better.

Additional Restrictions/Requirements:

Prerequisite or corequisite course or consent of instructor.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

RTH 370 - Recreation Therapy in Physical Rehabilitation

Course Description:

Etiology, functional and health implications of physically disabling conditions; selection of interventions; safety considerations pertinent to planning and delivery of recreation therapy services.

Credit Hours: 3 Prerequisite or Corequisite Courses:

RTH 368 with a C- or better.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

RTH 372 - Recreation Therapy in Behavioral Health

Course Description:

Etiology, functional, and health implications of developmental disabilities; sensory impairments; and conditions related to emotional and behavioral health; selection of recreation therapy interventions; safety considerations pertinent to planning and delivery of recreation therapy services.

Credit Hours: 3 Prerequisite or Corequisite Courses:

RTH 368 with a C- or better.

University Studies: ["Approaches and Perspectives/Living in Our Diverse Nation"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

RTH 375 - Recreation Therapy Processes and Techniques

Course Description:

This course will provide students a comprehensive overview and knowledge of processes and techniques used by recreation therapists to establish and maintain effective therapeutic helping relationships. Theories specific to the helping process, facilitation skills, leadership styles, group dynamics, activity and task analysis, modifications and assistive devices will be covered.

Credit Hours: 3 Prerequisite or Corequisite Courses:

RTH 368 with a C- or better.

Additional Restrictions/Requirements:

Corequisite course or consent of instructor.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

RTH 378 - Advanced Assistance Dog Training I

Course Description:

Advanced knowledge of animal behavior and training theories and how to apply these theories to training assistance dogs. Students will engage in practical and hands-on experience in the training of assistance dogs; and will be responsible for the 24/7 care and training of an assistance dog in-training. Requires participation outside of scheduled class time and UNCW liability insurance.

Credit Hours: 3 Prerequisite Courses:

RTH 287 with C- or better

Additional Restrictions/Requirements:

Prerequisite course and consent of instructor.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3 Additional Course Fees: ["Additional Fee - Liability Insurance"]

RTH 379 - Advanced Assistance Dog Training II

Course Description:

Knowledge of advanced theories of disability and behaviors that influence placement and use of assistance dogs. Students will engage in practical and hands-on experience in the advanced training of assistance dogs; and the training of a assistance dog to work specifically with a potential assistance dog recipient. Students will be responsible for the 24/7 care. Requires participation outside of scheduled class time and UNCW liability insurance.

Credit Hours: 3 Prerequisite Courses:

RTH 378 with C- or better

Additional Restrictions/Requirements:

Prerequisite course and consent of instructor.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 3 Repeat Limit: 2 Additional Course Fees: ["Additional Fee - Liability Insurance"]

RTH 380 - Assessment and Outcome Planning in Recreation Therapy

Course Description:

Role of reliable assessment in the treatment planning process in recreation therapy. Skills in assessment, goal writing and attainment, documentation, and outcome

measurement.
Credit Hours: 3 Prerequisite Courses:
RTH 265 with a C - or better.
Additional Restrictions/Requirements:
Prerequisite or instructor approval
University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 4

RTH 381 - Recreation Therapy TX Modalities I

Course Description:
Emphasis on leadership, group processing, activity adaptation, behavior management, therapeutic communication, social skills, leisure education, and challenge activities. Field work required.
Credit Hours: 3 Prerequisite Courses:
RTH 375 with a C- or better.
Additional Restrictions/Requirements:
Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

RTH 382 - Recreation Therapy Intervention II: Group Facilitation Skills

Course Description:
Planning, implementation, and evaluation of evidence-based, group-based interventions; leadership and helping skills appropriate when facilitating group-based interventions which may include: anger management, social skills, adapted sports and exercise, adventure therapy, community reintegration, problem-solving, and creative/expressive arts. Field work may be required.
Credit Hours: 3 Prerequisite Courses: RTH 381 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 4 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

RTH 383 - Recreation Therapy Interventions III: Individual Interventions

Course Description:
Counseling and behavior change theories: planning, implementing and evaluating

evidence-based, individual interventions and facilitation techniques which may include: communication skills and motivational interviewing, cognitive retraining, leisure education, stress and pain management, grief and grieving, therapeutic horticulture, therapeutic riding, assistive technology, and other interventions.
Credit Hours: 3 Prerequisite Courses: RTH 381 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

RTH 384 - Recreation Therapy and Child Life with Hospitalized Children

Course Description:
An overview of practitioners' roles with children and families in hospitals - includes developmental milestones/issues; healthcare experiences; therapeutic interventions; family-centered care; diagnostic and treatment interventions; pain management; death and dying; interdisciplinary communication.
Credit Hours: 3 Prerequisite Courses: RTH 368 Additional Restrictions/Requirements:
Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

RTH 385 - Recreation Therapy TX Modalities II: Exercise & Movement

Course Description:
Advanced lecture/applied learning providing an in-depth understanding and application of exercise movement treatment modalities used with individuals and groups who have physical, cognitive, and/or behavioral health conditions. Content, process, and evidence-based resources will be addressed. Students will be provided hands-on experiences with planning, implementing, and evaluating each modality.
Credit Hours: 2 Prerequisite Courses:
RTH 375 with a C- or better.
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 2

RTH 386 - Recreation Therapy TX Modalities III: Expressive Arts

Course Description:

Advanced lecture and applied learning providing an in-depth understanding and application of expressive art treatment modalities used with individuals and groups who have physical, cognitive, and/or behavioral conditions. Content, process, and evidence-based resources will be addressed. Students will be provided hands-on experiences with planning, implementing, and evaluating each modality.

Credit Hours: 2 Prerequisite Courses:

RTH 375 with a C- or better.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 2

RTH 387 - Recreation Therapy TX Modalities IV: Stress and Pain Management

Course Description:

Advanced lecture and applied learning providing an in-depth understanding and application of a variety of stress and pain management treatment modalities used with individuals and groups who have physical, cognitive, and/or behavioral health conditions. Content, process, and evidence-based resources will be addressed. Students will be provided hands-on experiences with planning, implementing, and evaluating a variety of specific techniques.

Credit Hours: 2 Prerequisite Courses:

RTH 375 with a C- or better.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 2

RTH 388 - Adaptive Sports

Course Description:

Introduction to community-based and elite-level adaptive sports. Students may be required to volunteer at a local, regional, national, or international adaptive sports event. In addition to experiencing adaptive sports via interactions with athletes and coaches, students will be exposed to programming and event management.

Credit Hours: 2 Prerequisite Courses:

RTH 368 with a C- or better.

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

RTH 389 - Recreation Therapy TX Modalities V: Cognitive Retraining

Course Description:

Advanced lecture and applied learning providing an in-depth understanding and application of a variety of cognitive retraining techniques used with individuals and groups who have physical, cognitive, and/or behavioral health conditions. Content, process, and evidence-based resources will be addressed. Students will be provided hands-on experiences with planning, implementing, and evaluating a variety of techniques.

Credit Hours: 2 Prerequisite Courses:

RTH 375 with a C- or better.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 2

RTH 390 - Pre-Internship Seminar in Recreation Therapy

Course Description:

Preparation for the internship experience with emphasis on development of professional behaviors that facilitate internship and career success in recreation therapy and other allied health professions.

Credit Hours: 1 Prerequisite Courses:

RTH 368 with a C- or better.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 1

RTH 391 - Recreation Therapy Internship Finalization

Course Description:

Students (a) become proficient in clinical/professional writing; (b) apply to five or more internship sites; (c) complete internship contracts and affiliation agreements; (d) set professional goals for their clinical experience; and (e) complete required certification trainings and mandatory requirements of the agency (students may incur extra costs for certification trainings).

Credit Hours: 1 Prerequisite Courses:

RTH 390 with a C- or better.

Additional Restrictions/Requirements:

Prerequisite course and senior standing or consent of instructor.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 1

RTH 393 - Functional Fitness in Recreation Therapy

Course Description:

This course introduces students to community-based recreation therapy programming for individuals with disabilities residing in group homes or attendng day treatment programs. Students will have an opportunity to plan and facillitate evidence-based interventions for the purpose of increasing participants' physical fitness and quality of life. Students will be exposed to program evaluation utilizing a systematic research process.

Credit Hours: 2 Prerequisite Courses:

RTH 375 with a C- or better.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 2 Additional Course Fees: ["Medical Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

RTH 394 - Aquatics in Recreation Therapy

Course Description:

Introduction to the use of aquatic activities as treatment interventions in recreation therapy for a variety of populations and individuals with disabilities and illnesses. Topics may include aquatic therapy, aquatic exercise and/or adapted aquatics. Students are required to have basic swimming skills. Class will be held in a swimming pool and students are required to be in the water.

Credit Hours: 3 Prerequisite Courses:

RTH 375 with a C- or better.

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

RTH 448 - Advanced Field Experience in Recreation Therapy

Course Description:

Advanced field placement in a recreation therapy setting. Direct service to recreation therapy clients under the supervision of licensed and certified recreation therapists. Students are limited to six credit hours toward graduation. Course cannot be substituted for a content course.

Credit Hours: 1 To 6 Prerequisite Courses: RTH 348 Additional Restrictions/Requirements:

Prerequisite course and consent of instructor.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

RTH 459 - Research & Evaluation Methods in Recreation Therapy

Course Description:
This course will provide students a basic introduction to research and evaluation methods, including qualitative, quantitative, and mixed methods research designs. Philosophical worldviews, and fundamental principles associated with conducting a literature review, formulating a research proposal, collecting, analyzing, and interpreting data will be covered. Applying research-specific knowledge and skills when implementing the APIE process will also be addressed.
Credit Hours: 3 Prerequisite Courses:
RTH 380 with a C- or better.
Additional Restrictions/Requirements:
Prerequisite course or consent of instructor.
University Studies: ["Building Competencies/Writing Intensive", "Building Competencies/Information Literacy", "Common Requirements/Critical Reasoning"] Crosslisting:
RTH 559
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

RTH 468 - Program Planning and Evaluation in Recreation Therapy

Course Description:
Advanced course in programming in recreation therapy. Emphasis on systems planning of specific programs/interventions and individual treatment planning, evaluation and documentation.
Credit Hours: 3 Prerequisite Courses:
Prerequisite and corequisite: RTH 370 and RTH 372 and RTH 380 .
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

RTH 469 - Recreation Therapy in Geriatrics

Course Description:
Emphasis on theories and evidence-based recreation therapy and other nonpharmaceutical treatments for individuals with dementia related illnesses in a

variety of settings. Field work required.
Credit Hours: 3 Prerequisite Courses:
RTH 375 with a C- or better and GRN 101.
Additional Restrictions/Requirements:
Prerequisite courses or consent of instructor.
Crosslisting:
RTH 569
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

RTH 475 - Leadership and Management in Recreation Therapy

Course Description:
Principles and practices of recreation therapy management, particularly the effective and efficient management of human, fiscal, informational, and physical resources in health care and human services.
Credit Hours: 3 Prerequisite Courses:
RTH 380 with a C- or better, RTH 370 with a C- or better, and RTH 372 with a C- or better.
Additional Restrictions/Requirements:
Restricted to RTH majors only.
University Studies: ["Building Competencies/Writing Intensive","Building Competencies/Information Literacy"] Crosslisting:
RTH 575
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3 Major Restriction: RTH

RTH 480 - Senior Seminar in Recreation Therapy

Course Description:
Capstone course in which students utilize theories and methods from previous courses to explore selected topics, issues, and trends related to the recreation therapy profession.
Credit Hours: 3 Prerequisite Courses:
RTH 368 with a C- or better.
Additional Restrictions/Requirements:
Prerequisite course or consent of instructor.
University Studies: ["Approaches and Perspectives/Living in a Global Society", "Building Competencies/Information Literacy", "Building Competencies/Writing Intensive"] Course

Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

RTH 491 - Directed Individual Study

Course Description:
Involves investigation under faculty supervision beyond what is offered in existing courses. Field work required. For further information, consult the Directed Individual Studies section of the catalogue.
Credit Hours: 1 To 3 Additional Restrictions/Requirements:
Junior or senior standing, overall GPA of at least 3.0, and consent of instructor, department chair, and dean.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

RTH 494 - Study Abroad in Recreation Therapy

Course Description:
An interdisciplinary introduction to recreation therapy field methods and investigation in foreign countries. Focused study on disability, accessibility, inclusion, and health care issues and problems specific to host country on local, regional, and global scales. Course integrates field and classroom instruction.
Credit Hours: 1 To 6 Additional Restrictions/Requirements:
Consent of instructor.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

RTH 497 - Field Placement in Recreation Therapy

Course Description:
This is a capstone, applied learning course; students apply APIE process supervised by a certified therapeutic recreation specialist in a healthcare/human service agency utilizing clinical recreation therapy procedures/practices. Minimum 560 hours/14 consecutive weeks of fieldwork and liability insurance required.
Credit Hours: 12 Prerequisite Courses:
RTH 391 with a C- or better.
Additional Restrictions/Requirements:
Prerequisite course, minimum 2.5 cumulative GPA, 2.5 RTH major GPA, senior standing with a cumulative 3.0 GPA in all RTH courses, agency approval, current certification in CPR/First Aid and Bloodborne Pathogens, and instructor approval.
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 12

RTH 498 - Internship in Recreation Therapy

Course Description:

Experiential learning in recreation therapy with selected public, private, commercial, non-profit health care and human service agencies, under the direct supervision of a Certified Therapeutic Recreation Specialist (CTRS). A minimum of 560 hours and 14 consecutive weeks of fieldwork are required.

Credit Hours: 12 Additional Restrictions/Requirements:

Senior standing, an overall 2.00 grade point average, and completion of all other courses required for the major with a 2.00 cumulative grade point average.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12 Additional Course Fees: ["Student Blanket Professional Liability Insurance", "Medical Liability Insurance"] Additional Fees Link:

Additional Course Fee Schedule

RTH 499 - Honors Work in Recreation Therapy

Course Description:

Independent study for honors students.

Credit Hours: 3 Additional Restrictions/Requirements:

Senior standing and eligibility for honors program.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

WPA 101 - Wellness and Physical Activity

Course Description:

Introduces students to the fundamental concepts and practical experiences associated with the physical, emotional, intellectual, social and spiritual components of wellness. Promotes behavioral changes to enhance well-being and lifelong maintenance of personal health and fitness. Lecture and physical activity/lab are required components. Prerequisite for online lab sections: Permission of instructor.

Credit Hours: 1 Prerequisite or Corequisite Courses:

WPAL 101

Additional Restrictions/Requirements:

Prerequisite for ext online lecture section: Extension student status.

University Studies: ["Lifetime Wellness"] Course Repeatability: Course may not be repeated.

WPA 210 - Plant-Based Living for Wellness

Course Description:

This course is designed to explore plant-based living including if plant-based diets may offset the world's population growth and environmental concerns related to factory farms and climate change, the role of plant-based lifestyles, physical activity, and stress management in chronic disease prevention, reviewing scientific literature regarding plant-based living, and the principles of planning a healthful whole food plant-based meal plan.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

WPA 220 - Introduction to Yoga Methodology and Techniques

Course Description:

This course provides a foundational study and application pertaining to the study of yoga and its history, literature, philosophy and practice. This course draws from multiple yoga traditions with the emphasis placed on Patanjali's, Yoga Sutras. Students will be taught yoga techniques, teaching methodology, and the practice of asana, pranayama, meditation, and other traditional yoga techniques.

Credit Hours: 3 Prerequisite Courses:

WPAL 101.

Additional Restrictions/Requirements:

Students must have some yoga experience (>10 hours of practicing yoga).

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

WPA 294 - Physical Activity and Wellness Study Abroad

Course Description:

Lower division special topics in Physical Activity and Wellness taken abroad or partially abroad. Course taught by UNCW faculty or as transfer credit from a foreign institution.

Credit Hours: 1 To 3 University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 9

WPA 295 - Special Topics in Physical Activity and Wellness

Course Description:

Course shell for future special topics courses. Course descriptions and SLOs will be established and approved by local curriculum committees before offering the course.
Credit Hours: 1 To 3 Prerequisite Courses:

WPAL 101 or PED 101

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 9 Repeat Limit: 2

WPA 420 - Advanced Yoga Teaching, Methodology, and Practicum

Course Description:

This course provides a continuation of the study towards a Yoga minor. The topics include in-depth study of the biopsychosocial approach to wellness, posture and breathing techniques and practice, teaching methodology, anatomy and physiology, yoga philosophy, and ethics.
Credit Hours: 3 Prerequisite Courses:

WPA 220

Course Repeatability: Course may not be repeated.

WPA 494 - Physical Activity and Wellness Advanced Study Abroad

Course Description:

Upper division in Physical Activity and Wellness taken abroad or partially abroad. Course taught by UNCW faculty or as transfer credit from a foreign institution.
Credit Hours: 1 To 3 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 9

WPA 495 - Advanced Special Topics in Physical Activity and Wellness

Course Description:

Course shell for future special topics courses. Course descriptions and SLOs will be established and approved by local curriculum committees before offering the course.
Credit Hours: 1 To 3 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 9

School of Nursing

http://www.uncw.edu/son/

The School of Nursing is a community of professional educators and practitioners dedicated to the preparation of students who have the knowledge, skills and dispositions to work with and care for adult patients on the healthcare continuum. The focus is on the research, teaching and integration of adult, family, and community health issues into the body of knowledge that prepares undergraduate and graduate students for the health care workforce. Faculty value the integration of current theory, research, innovative teaching and learning strategies and professional expertise from multiple disciplines and perspectives both within and outside the College of Health and Human Services to inform the practice of new graduates to reach their potential. The school provides opportunities for students to develop as leaders in the practical discipline of nursing and clinical research to advocate for diverse patients and families regionally, nationally and globally. The school plans, develops, implements and coordinates state-of-the-art learning technology available to support all programs and collaboration with community partners. The school supports the programs in clinical research as they impact the health of family and communities in biopharmaceutical research and product development.

The School of Nursing offers two programs leading to the Bachelor of Science in Nursing (B.S.N.) degree: one with a major in nursing and a RN to BSN option. There is also a Bachelor of Science degree with a major in clinical research. The Clinical Research degree is not a nursing degree. It prepares students for the science, operations, and business of conducting human clinical studies to inform health care, lifestyle factors, and for the regulatory approval of new drugs, biologics, and devices.

Requirements for Admission to the Bachelor of Science in Nursing (B.S.N.) and Bachelor of Science (B.S.) Degree Programs in the School of Nursing:

1. Admission to the University of North Carolina Wilmington as a degree-seeking student.
2. Meeting admission criteria in nursing or clinical research.
3. Recommendation of the Admission and Progression Committee of the School of Nursing.
4. Approval of the nursing or clinical research faculties, as appropriate, and director.

Time Limits: Nursing and clinical research courses must be completed within a consecutive six-calendar-year period of time.

Ten-Year Rule: Applicants will have had to take all science and math pre-requisites within the past 10 years prior to application. Only the math/science pre-requisites are affected by this rule. The ten-year rule does not apply to students in the RN-

BSN option who have current work experience as a registered nurse or students in the Clinical Research option who have current work experience in the clinical research field.

The curricula in the School of Nursing are subject to review and change based on the evolving health care delivery system.

Special Requirements for the B.S.N. degree in the School of Nursing

- €€€€€€ Current immunization record CPR certification
- €€€€€€ Professional liability insurance
- €€€€€€ Negative drug screen
- €€€€€€ Cleared criminal background check
- €€€€€€ Seasonal flu vaccine

Course practice experiences will determine if these requirements are applicable to students enrolled in the RN-BSN nursing program.

Accreditation

The B.S. with a major in Nursing in the School of Nursing is approved by the North Carolina Board of Nursing and accredited by the Commission on Collegiate Nursing Education (CCNE), 655 K Street, NW, Suite 750, Washington, DC 20001, (202) 887-6791.

Requirements for Admission to the Bachelor of Science Programs in the School of Nursing

Bachelor of Science in Nursing

PreLicensure Option:

Students who declare Pre-Nursing are not automatically admitted to the nursing program. Students are admitted to the nursing program twice a year. Decisions on admission are made by the School of Nursing in the spring for fall admission and in the fall for spring admission. The application deadline for fall admission is December 15th and the application deadline for spring admission is July 1st. Admission is highly competitive and not all applicants who meet the minimum criteria for admission can be accommodated. The School of Nursing offers admission to applicants whose credentials present the best qualifications among those meeting the minimum requirements.

Minimum Requirements for Admission to Bachelor of Science in Nursing Program

1. Admission to the University of North Carolina Wilmington.
2. Declared a Pre-Nursing student.
3. A 2.7 total GPA is required for evaluation of a student's transcript by the School of Nursing. Each student's total GPA, including the fall semester/quarter grades of application year, is calculated on all transferable college courses attempted at all accredited institutions of higher education according to the guidelines in use by the UNCW Admissions Office.
4. Complete a minimum of CHM 101 and CHML 101 , one biology course (BIO 201 , BIO 240 , BIO 241 , or BIO 246), one math or statistic course MAT 101 or higher except MAT 141 and MAT 142 or STT 210 , STT 215 , PSY 105 and SOC 105 , ECN 125 , or ECN 221 . In total, you must have a minimum of five of these courses completed in order to apply. At least one course in each category (Math/Science and Designated Prerequisites) must be completed for a grade in order to be evaluated for admission potential.
5. Minimum grade of "C" in all required prerequisite and corequisites. Completion of all the required prerequisites prior to start of first semester courses in the major: by August for admission to the fall cohort, and by December for the spring cohort.

• CHM 101 and CHML 101 - General Chemistry with Lab
• BIO 201 - Principles of Biology - Cells with Lab
• BIO 240 - Human Anatomy and Physiology I with Lab
• BIO 241 * - Human Anatomy and Physiology II with Lab
• BIO 246 - Microbiology of Human Disease
• MAT 111 - College Algebra or MAT 112 , MAT 151 , MAT 161
• PSY 105 - General Psychology
• PSY 223 - Lifespan Human Development
• SOC 105 - Introduction to Sociology, or ECN 125 - Survey of Economics, or ECN 221 - Principles of Economics
• PAR 101 - Philosophical Thinking, or PAR 115 - Introduction to Ethics, or PAR 205 - American Philosophy, or PAR 215 - Bioethics
• STT 210 * - Introduction to Statistics with Applications in the Health Sciences, or STT 215 - Introduction to Statistics, or other related statistics.

1. Completion of TEAS Assessment (pre-admission test subject to change): The TEAS Assessment can be taken only one time during the testing administration period preceding application. Details regarding the pre-admission test are available at www.uncw.edu/son/prospective.html. The scores on the TEAS Assessment will be used to determine admission.
2. Physical and emotional health that enables a student to participate in and complete the program.
3. A cleared Criminal Background Check.

RN-BSN Option:

1. Admission to the University of North Carolina Wilmington.
2. Graduation from an Associate Degree in Nursing or Diploma Registered Nurse Program.
3. A current unencumbered license as a Registered Nurse in North Carolina or the state in which

students will do their clinical coursework.

4. A 2.4 overall GPA is required by the School of Nursing. Each student's total GPA is calculated on all transferable college courses attempted at all accredited institutions of higher education according to the guidelines in use by the UNCW Admissions Office.

Bachelor of Science in Clinical Research (CLR)

To be formally admitted to the Bachelor of Science with a major in clinical research program, a student must complete a program admissions application and meet all admission requirements. For more information about admission requirements and application deadlines, please contact the College of Health and Human Services Office of Student Success (910-962-3208 or chhs@uncw.edu).

Clinical Research, B.S.

Program Coordinator: Annemarie Petroff, MS | Program Coordinator & Lecturer
Clinical Research, B.S. Details | UNCW

The UNCW Clinical Research Program prepares individuals for participation in the science and business of developing drugs, biologics, and biomedical devices with emphasis on pre-approval human clinical trials and post-marketing safety studies. Most graduates work for pharmaceutical and biotechnology companies, contract research organizations, clinical research service providers, or clinical sites enrolling clinical trial subjects. This is an online distance education program that requires 2 semesters of internship at a clinical research organization.

The Clinical Research Program is not a nursing or laboratory-based program.

Bachelor of Science in Nursing, B.S.N.

The baccalaureate program in the School of Nursing is approved by the North Carolina Board of Nursing and accredited by the Commission on Collegiate Nursing Education (CCNE), 655 K Street, NW, Suite 750, Washington, DC 20001, (202) 887-6791.In order to be eligible to begin practice as a registered nurse, each graduate must obtain a satisfactory score on the National Council Licensure Examination for Registered Nurses (NCLEX-RN).

The purpose of the baccalaureate program in nursing is to prepare a generalist who possesses the knowledge, skills, and competencies with which to practice family-centered nursing in a variety of current and emerging health care delivery systems. In addition, the program is designed to provide a foundation for graduate nursing education. Through interactions with clients–individual persons, families and communities–and other health care professionals, nursing graduates will contribute toward meeting the wide-ranging needs of the region, state, and the larger community.

Students in the nursing major must select one of three options: prelicensure for individuals who are not already licensed as registered nurses, RN-BSN (Registered Nurse to Bachelor of Science) for individuals who possess the registered nurse license, or Accelerate (2nd Degree) for those individuals who possess a bachelors degree in another field and are not already licensed as registered nurses. The program of study for the School of Nursing as described in this catalogue, is consistent with national accreditation standards, and approved by the North Carolina Board of Nursing, the University Curriculum Committee, and the Faculty Senate.

Clinical Research Minor

Program Coordinator: Annemarie Petroff, MS | Program Coordinator & Lecturer (Clinical Research Minor | UNCW)

The Clinical Research Program offers a Minor in Clinical Research which focuses on fundamentals of clinical research methods, regulatory considerations, operational steps and clinical background involved in phases one through four of biopharmaceutical product development. The program content is relevant to employment in pharmaceutical companies, contract research organizations, clinical research service providers, and clinical settings enrolling clinical trial subjects. The minor will allow students gaining expertise in other areas (e.g., statistics, chemistry, biology, etc.) to master the fundamental aspects of clinical research for careers in the clinical research industry or conducting clinical research as a clinician.

The Clinical Research Minor is not a nursing or laboratory based program.

CLR 294 - Clinical Research Study Abroad

Course Description:

This course provides Clinical Research undergraduate study abroad opportunities.

Credit Hours: 1 To 6 University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated.

CLR 295 - Special Topics in Clinical Research

Course Description:

Intensive study of selected topics of special interest in clinical research not covered in CLR existing courses. Depending on the topic, this course may include a lab.

Credit Hours: 1 To 3 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 9

CLR 301 - Introduction to Clinical Research

Course Description:

Provides overview of people, terminology, execution, and regulations involved in clinical research process. Focuses on phases of biopharmaceutical product development and protection of human subjects. Emphasis on FDA evaluation of new products for the pharmaceutical and biotechnology industries. Open to non-majors.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

CLR 325 - Pharmacotherapeutics

Course Description:

Focuses on therapeutic uses and effects of drugs. Discusses drug classes that may be encountered in clincal protocols during new drug development. Reviews various medical conditions and summarizes basic pathophysiology, clinical presentation, diagnosis, desired outcome, disease prevention, pharmacologic and non-pharmocologic therapy.

Credit Hours: 3 Prerequisite Courses:

CLR 301 with a C or better.

Additional Restrictions/Requirements:

Restricted to Clincal Research majors and minors.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

CLR 340 - Study and Site Management for Clinical Trials

Course Description:

Operational aspects of clinical trials at the site level, including financial, personnel, and legal considerations. Introduces relevant regulations and guidelines including ICH GCP. Includes discussion of roles, responsibilities, and perspectives of the subject, clinical study coordinator, prinicipal investigator, sponsor, and contract research organization.

Credit Hours: 3 Prerequisite Courses:

CLR 301 with a C or better.

Additional Restrictions/Requirements:

Only open to students within the Clinical Research major.

University Studies: ["Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

CLR 350 - Understanding Medical Terminology and Clinical Endpoints

Course Description:

Audio-visual approach to study of medical terminology, body systems, diagnostic procedures, and pharmacology. Emphasizes word construction, spelling, usage, comprehension, pronunciation, abbreviations. Applies terminology to clinical study endpoints commonly used to measure safety and efficacy of a biopharmaceutical product.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

CLR 394 - Undergraduate Clinical Research Study Abroad

Course Description:

This course will provide students with an exposure to healthcare, cultural differences and clinical research in communities outside the US. Focused study will include ethical considerations for clinical research and healthcare norms specific to the host country on local, regional and global scales. The course integrates multiple forms of instruction.

Course Goal: The overall purpose of this course is to increase student awareness of clinical research in international settings and enhance the students' understanding of regulatory and cultural differences and similarities between US based clinical research studies as compared to global clinical trials.

Credit Hours: 0 To 6 Corequisite Courses:

CLR 301 .

Prerequisite Courses:

CLR 301 .

Additional Restrictions/Requirements:

Instructor approval.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

CLR 410 - Collaborative Writing for Clinical Studies

Course Description:

Focuses on collaborative writing approaches, style, and sources of information used to create clinical research documents. Encourages critical thinking by summarizing information from multiple sources with varying degrees of quality.

Credit Hours: 3 Prerequisite Courses:

CLR 310 with a C or better.

Additional Restrictions/Requirements:

Restricted to students with declared major in Clinical Research.

University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

CLR 430 - Managing and Monitoring Clinical Trials

Course Description:

Reviews theoretical principles and practices guiding trial monitoring, project management, and trial phases including planning, initiation, monitoring and closing. Discusses roles and responsibilities of people and groups focusing on protocol development, site monitoring, quality assurance, data management and overall trial management.

Credit Hours: 3 Prerequisite Courses:

CLR 301 with a C or better and CLR 330 with a C or better and CLR 340 with a C or better.

Additional Restrictions/Requirements:

Restricted to Clinical Research majors.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

CLR 440 - Bioanalytics

Course Description:

Examines study designs and statistical analyses commonly used in biopharmaceutical clinical trials and post-marketing studies with focus on interpreting descriptive and inferential statistics. Explores techniques such as randomization, blinding, and placebo-control. Reviews industry processes for data analysis. Discusses basic concepts in epidemiology, pharmacoeconomics, psychometrics/patient-reported outcomes.

Credit Hours: 3 Prerequisite Courses:

CLR 301 with a C or better and CLR 330 with a C or better and CLR 350 with a C or better.

Additional Restrictions/Requirements:

Restricted to CLR majors and CLR minors.

University Studies: ["Building Competencies/Information Literacy", "Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

CLR 450 - Data Management

Course Description:

Examines role and responsibilities of data management in clinical research. Topics include organization, collection, review, and tracking of data; technology platforms; case report form design, and regulations. Includes an applied component to learn data structure and manipulation.

Credit Hours: 4 Prerequisite Courses:

CLR 301 with a C or better.

Additional Restrictions/Requirements:

Open only to students in the CLR major and CLR minor.

University Studies: ["Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 4

CLR 470 - The Business of Clinical Research

Course Description:

Examines financial aspects of clinical research spanning from individual studies to the business models supporting clinical research organizations. Focuses on contract research services, vendor management, study team labor costs, contracts and proposals. Disucsses accountability for study budgets at the individual level.

Credit Hours: 3 Corequisite Courses:

CLR 497

Additional Restrictions/Requirements:

Open to Clinical Research majors only.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

CLR 491 - Directed Individual Study

Course Description:

Involves investigation under faculty supervision beyond what is offered in existing courses.

Credit Hours: 1 To 3 Additional Restrictions/Requirements:

Junior or senior standing, overall GPA of at least 2.0, and consent of instructor, department chair, and dean.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

CLR 495 - Advanced Special Topics in Clinical Research

Course Description:

Intensive study of selected advanced topics of special interest in clinical research not covered in CLR existing courses. Depending on the topic, this course may include a lab.

Credit Hours: 1 To 3 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 9

CLR 496 - Clinical Research Internship I

Course Description:

Students must work with faculty placement in prior semester. Practical experience, 14 hours weekly at clinical research site, includes online course with learning modules that enhance the experience and discuss issues arising in the practicum. Students and participating organizations are matched to provide a comprehensive clinical research experience.

Credit Hours: 6 Prerequisite Courses:

CLR 301 with a C or better and CLR 310 with a C or better and CLR 325 with a C or better and CLR 330 with a C or better and CLR 340 with a C or better and CLR 350 with a C or better.

Additional Restrictions/Requirements:

Restricted to Clinical Research majors.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 6 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

CLR 497 - Clinical Research Internship II

Course Description:

Students must work with faculty on placement in prior semester. Continuation of practical experience, 14 hours weekly at clinical research site, includes online courses with learning modules that enhance the experience and discuss issues arising in the practicum. Students and participating organizations are matched to provide a compreshensive clinical research experience.

Credit Hours: 6 Prerequisite Courses:

CLR 496 with a P.

Additional Restrictions/Requirements:

Restricted to Clinical Research majors.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 6 Additional Fees Link:
Additional Course Fee Schedule

CLR 499 - Honors Work in Clinical Research

Course Description:

Independent study for honors students.

Credit Hours: 2 To 3 Additional Restrictions/Requirements:

Junior or senior standing and eligibility for Honors College.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

NSG 294 - Undergraduate Nursing Study Abroad I

Course Description:

This course provides School of Nursing undergraduate study abroad opportunities.

Credit Hours: 1 To 6 University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated.

NSG 300 - Health Assessment and Core Nursing Concepts

Course Description:

This course introduces the student to the core concepts of nursing that are essential to the role of the professional nurse in caring for individuals, families, and communities. The course will focus onnormalassessmentskills across the lifespan as a component ofcore nursing care.Didactic concepts will be applied in the laboratory setting for demonstration of assessment skills using varying degrees of technology.

Credit Hours: 4 (3 lecture/1 lab) Additional Restrictions/Requirements:

Admission to the Undergraduate Nursing Program

Course Repeatability: Course may not be repeated. Major Restriction: Nursing

NSG 302 - Foundational Nursing Care of Adults

Course Description:

This course introduces the student to the core concepts of nursing essential to the role of the professional nurse when caring for adult patients, their families, and communities in a variety of clinical settings. Course content will emphasize foundational, evidenced-based skills using the nursing process, and techniques of safe nursing practice for health promotion.

Credit Hours: 1 To 5 Additional Restrictions/Requirements:

Admission to the Undergraduate Nursing Program.

Course Repeatability: Course may not be repeated. Additional Course Fees: ["F003 Student Blanket Professional Liability Insurance, F012 Nursing Simulation Fee"] Additional Fees Link:

Additional Student Fee Link

Major Restriction: Nursing

NSG 304 - Introduction to Professional Nursing

Course Description:

This course introduces the student to the core concepts of professional nursing. Course content includes nursing history, theory and an introduction to American Nurses Association Code of Ethics, legal standards of the nursing scope of practice through regulatory bodies and evolving issues in the profession. Students will learn the quality safety standards education for nurses and the standards for interprofessional collaboration.

Credit Hours: 3 Additional Restrictions/Requirements:

Admission to the Undergraduate Nursing Program.

University Studies: ["Writing Intensive"] Course Repeatability: Course may not be repeated. Major

Restriction: Nursing

NSG 306 - Pathopharmacology I

Course Description:
Introduces basic concepts of pathophysiology and pharmacotherapeutics, building on basic anatomy and physiology, microbiology, and chemistry content obtained from earlier courses. The pathophysiology of common disease conditions affecting human beings across the lifespan are explored. This course also examines basic drug classifications, concepts and principles of pharmacology with special consideration for the nursing role in developing a comprehensive approach to the clinical application of drug therapy.
Credit Hours: 3 Additional Restrictions/Requirements:
Admission to the Undergraduate Nursing Program.
Course Repeatability: Course may not be repeated. Major Restriction: Nursing

NSG 311 - Focused Care for Adults Across the Lifespan

Course Description:
This course will build on previous concepts of adult nursing and special populations across the life span (including women's health and geriatrics) that are essential to the role of the professional nurse in caring for individuals, families, and communities. The course will focus oncomplex adultassessmentskills as a component ofcore nursing care, andthenursing process.Didactic concepts will be applied in the laboratory setting for demonstration of assessment skills using varying degrees of technology.
Credit Hours: 3 (2 lecture/1 lab) Prerequisite Courses:
NSG 300 , NSG 302 (C or better).
Course Repeatability: Course may not be repeated. Additional Course Fees: ["F003 Student Blanket Professional Liability Insurance, F012 Nursing Simulation Fee"] Additional Fees Link:
Additional Student Fees Link

NSG 313 - Nursing Care of Women's Health Across the Lifespan

Course Description:
This course introduces core concepts of nursing essential to the role of the professional nurse caring for women across the lifespan. The course content will

assist the learner in improving health promotion and restoration for women through all phases of life, including the care of women in the prenatal, perinatal, and postnatal periods. Professional nursing values of patient centered care, lifelong learning and quality improvement are components of classroom and clinical learning. Newborn nursing assessment will be included as part of the complete postpartum (includes mother/baby/family) phase. Applications of concepts and essential psychomotor skills are demonstrated in clinical experiences working with culturally diverse families.

Credit Hours: 3 (2 lecture/1 clinical) Prerequisite Courses:

NSG 300 , NSG 302 , NSG 306 (C or better).

Course Repeatability: Course may not be repeated. Major Restriction: Nursing

NSG 314 - Nursing Care of Children

Course Description:

This course introduces core concepts of nursing essential to the role of the professional nurse caring for children and their families, in the child's natural environments (i.e. home or school) within the community and in acute care settings. Content will include strategies for improving child health status based on diverse needs of the child and their family, in the context of the child's situational environment. Professional values of patient and family centered care, life-long learning, and quality improvement will be emphasized. Essential psychomotor skills will be applied via experiences caring for children in a variety of clinical agencies.

Credit Hours: 4 (2 lecture/2 clinical) Prerequisite Courses:

NSG 300 , NSG 302, NSG 306 (C or better)

Course Repeatability: Course may not be repeated. Major Restriction: Nursing

NSG 315 - Research in Nursing for the Professional Nurse

Course Description:

This course is intended for those students enrolled in the Prelicensure program. Introduces research design and analysis necessary to examine, apply, and utilize nursing science. Course content includes an overview of current issues in knowledge development in nursing including the process of research utilization and evidence based practice. The student will conduct analytic critiques of the research literature for scientific merit, synthesize these critiques for application to practice, and develop strategies for providing leadership to make evidence based practice a

reality in current and future work settings.
Credit Hours: 3 Prerequisite Courses:
STT 210 or STT 215 or PSY 225 or BAN 280.
Additional Restrictions/Requirements:
Intended for students enrolled in the Prelicensure program.
University Studies: ["Building Competencies/Writing Intensive", "Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

NSG 316 - Professional Nursing Practice for the Baccalaureate Nurse

Course Description:
This is a seminar course for registered nurses. Students will examine foundations and contemporary issues of professional nursing practice and will explore critical abilities and roles for the baccalaureate nurse in the management of quality, patient care. This course will introduce students to online learning and provide strategies for success.
Credit Hours: 3 Additional Restrictions/Requirements:
Open only to students in the RNBSN program.
University Studies: ["Building Competencies/Writing Intensive", "Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

NSG 317 - Introduction to Evidence Based Practice and Research

Course Description:
Course content includes an overview of current issues in knowledge development in nursing including the process of research utilization and evidence-based practice. Student will conduct analytic critiques of the research literature for scientific merit, synthesize these critiques for application to practice, and develop strategies for providing leadership to make evidence-based practice a reality in current and future work settings.

Credit Hours: 3 Prerequisite Courses:
NSG 304 (C or better).
Additional Restrictions/Requirements:
Minimum grade of C or better.
University Studies: ["Building Competencies/Writing Intensive", "Building

Competencies/Information Literacy"] Course Repeatability: Course may not be repeated. Major Restriction: Nursing

NSG 319 - Pathopharmacology II

Course Description:

This course builds on basic concepts of pathophysiology and pharmacotherapeutics from earlier courses. The pathophysiology of disease conditions affecting human beings across the lifespan are explored, along with pharmacotherapeutics related to these disease conditions. Nursing implications relative to the utilization of drug therapy are examined.

Credit Hours: 3 Prerequisite Courses:

NSG 306 (C or better).

Additional Restrictions/Requirements:

Minimum grade of C or better.

Course Repeatability: Course may not be repeated. Major Restriction: Nursing

NSG 320 - Patho/Pharm I

Course Description:

This course focuses on general concepts along with specific disease processes of physiological systems and the use of drugs to prevent or ameliorate those processes. Discussion topics focus on adaptation of the physiologic processes across the life span along with the basic concepts of pharmacology and pharmacotherapy.

Credit Hours: 3 Corequisite Courses:

NSG 326

Prerequisite Courses:

BIO 240 and BIO 241 and BIO 246.

Course Repeatability: Course may not be repeated.

NSG 321 - Gerontological Nursing and the End of Life Care

Course Description:

This course covers optimum health care for the aging client using the demographic, physiological, psychosocial and economic aspects of aging. Emphasis is placed on understanding the unique needs of the aging population, and to provide evidence-based care using interprofessional collaboration to improve care transitions, and

health outcomes for older adults that promotes quality of life.
Credit Hours: 3 Prerequisite or Corequisite Courses:
NSG 316 with a C or better.
Additional Restrictions/Requirements:
Open only to students in the RNBSN program.
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

NSG 322 - Issues, Trends and Health Policy in Nursing

Course Description:
This course is designed to provide students as present and future leaders with a political, economic, and financial understanding of nursing's role in the health care system. Students learn professional values and ethical behaviors that guide nursing practice and the impact of research used to improve the care of individuals, families, groups and communities. In addition, fundamentals of health policy creation are introduced to facilitate the merging of the policy and financial side with the clinical dimension.
Credit Hours: 3 Prerequisite Courses:
NSG 315.
University Studies: ["Building Competencies/Information Literacy", "Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

NSG 323 - Health Assessment for Registered Nurses

Course Description:
This course enhances students' assessment and clinical reasoning skills. Emphasis is placed on analyzing nursing assessment findings, setting priorities, and developing a plan of care that promotes or restores health. This course explores the impact of the environment, life choices, literacy, and genomics on holistic health.
Credit Hours: 3 Prerequisite or Corequisite Courses:
NSG 316 with a C or better.
Additional Restrictions/Requirements:
Open only to students in the RNBSN program.
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

NSG 324 - Clinical Application of Therapeutic Nutrition

Course Description:

A course for nursing students which emphasizes foundations of nutrition and diet therapy that can be applied to patients of all ages and in various stages on the health and illness continuum. The nursing process is used to examine the clinical interrelationships among nutrients and other variables such as: foods, cultures, health, education, and behaviors of individuals, families, and communities. Emphasis is placed on developing the role of the nurse in meeting the nutritional needs of patients in a variety of practice settings.
Credit Hours: 2 Course Repeatability: Course may not be repeated.

NSG 326 - Clinical Nursing II: Adult Health I

Course Description:
Introduces the core concepts of nursing essential to the role of the professional nurse when caring for individual clients with medical/surgical conditions. Course content will emphasize the relationship between the nursing process and patient centered care, clinical reasoning, and integrity of practice applied to problems of oxygenation/ventilation, problems of movement and coordination, and problems of perception and sensory input in vulnerable populations. Adopted theories from physiology, psychology, sociology and nursing will be related to patient centered care and quality improvement. Application of concepts and essential psychomotor skills are demonstrated in clinical experiences and using advanced technology working with clients in selected clinical agencies.
Credit Hours: 6 (3 Theory/3 Clinical) Corequisite Courses:
NSG 320
Course Repeatability: Course may be repeated. Additional Fees Link:
Additional Course Fee Schedule

NSG 329 - Mental Health Nursing

Course Description:
Introduces the core concepts of nursing essential to the role of the professional nurse caring for clients with mental health disorders across the life span and to their families. Course content will include factors currently shaping professional nursing roles and on interpersonal skills required for improving health status and diverse client needs. Adopted theories will be related to legal and ethical considerations in client-centered care, quality improvement, and life long learning. Application of concepts is demonstrated in clinical experiences working with clients in selected

clinical agencies.

Credit Hours: 4 Corequisite Courses:

NSG 330

Prerequisite Courses:

NSG 326

Course Repeatability: Course may not be repeated. Additional Fees Link:
Additional Course Fee Schedule

NSG 330 - Maternal-Infant Nursing

Course Description:

Introduces core concepts of nursing essential to the role of the professional nurse caring for families. The course content will include health promotion and restoration for the childbearing family during the prenatal, perinatal and postnatal periods, along with professional values of client-centered care, life-long learning and quality improvement. Applications of concepts and essential psychomotor skills are demonstrated in clinical experiences working with clients in culturally diverse agencies.

Credit Hours: 4 Corequisite Courses:

NSG 329

Prerequisite Courses:

NSG 326

Course Repeatability: Course may not be repeated.

NSG 334 - Gerontology Nursing

Course Description:

Introduces the student to the demographic, physiological, psychosocial and economic aspects of aging. Critical assessment parameters will be used as a framework for identifying both normal and pathological with emphasis on nursing assessment and management of care. Course content will include primary care, secondary care, tertiary care and prevention, care giving roles, ethical issues, legal issues and resource allocation.

Credit Hours: 3 Prerequisite Courses:

NSG 326 .

Course Repeatability: Course may not be repeated.

NSG 335 - Patho/Pharm II

Course Description:

This course is a continuation of Patho/Pharm I which focuses on general concepts along with specific disease processes of physiological systems and the use of drugs to prevent or ameliorate those processes. Discussion topics focus on adaptation of the physiologic processes across the life span along with the basic concepts of pharmacology and pharmacotheraphy.

Credit Hours: 3 Prerequisite Courses:

NSG 320 .

Course Repeatability: Course may not be repeated.

NSG 346 - Evolution of Professional Nursing

Course Description:

Students will examine the evolution of professional nursing in America through the study of select critical historical analyses of a significant influential event, time, concept, or person. Exposure to critical historical works will provide students a contextual perspective and enlightenment to evaluate the contemporary professional identity and practice role of the nurse.

Credit Hours: 1 Additional Restrictions/Requirements:

Open only to students in RNBSN program.

Course Repeatability: Course may not be repeated.

NSG 361 - Building a Professional Nursing Career

Course Description:

This course focuses on building a career path in professional nursing that includes continuous engagement and lifelong learning. Engagement in professional nursing organizations, sharing best practices through presentations and use of the principles of scholarly writing, and planning for lifelong learning are presented as strategies to advance professionalism in nursing.

Credit Hours: 1 Additional Restrictions/Requirements:

Open only to students in the RNBSN program.

Course Repeatability: Course may not be repeated.

NSG 385 - Palliative & End-of-Life Care Across the Lifespan

Course Description:

This course introduces the student to the field of palliative and end-of-life care. It will focus on a holistic approach to nursing care for the physical, psychological and spiritual needs of patients across the lifespan experiencing a wide range of illnesses. Illnesses will include progressive, chronic or debilitating disorders. An emphasis will be placed on maintaining quality of life through palliative and end-of-life care with an understanding that patients and families have diverse values, beliefs, needs, and expectations.

Credit Hours: 3 Additional Restrictions/Requirements:

Open only to students in the RNBSN program.

Course Repeatability: Course may not be repeated.

NSG 398 - NSG 398 - Health Policy - Thompson

Course Description:

This course focuses on social, psychological, economic, political, legal, ethical, and diverse environments which shape health care delivery systems. Nursing practice is studied relative to inter-professional collaboration, advocacy, and leadership. Emphasis is placed on critical analyses related to health policy, health care reform, health care systems, and social determinants of health.

Credit Hours: 3 Prerequisite Courses:

NSG 316 with a C or better.

Additional Restrictions/Requirements:

Open only to students in the RNBSN program.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

NSG 401 - Pediatric Nursing

Course Description:

Introduces the core concepts of nursing essential to the role of the professional nurse caring for children and their families. Course content includes strategies for improving the child's health status based on diverse needs dictated by the environment and the professional values of client-centered care, life-long learning, and quality improvement. Application of essential psychomotor skills is

demonstrated in experiences working with children in culturally diverse clinical agencies.

Credit Hours: 4 Corequisite Courses:

NSG 405

Prerequisite Courses:

NSG 329 and NSG 330 and NSG 335 .

Course Repeatability: Course may not be repeated.

NSG 403 - Adult Health II

Course Description:

Introduces advanced concepts of nursing essential to the role of the professional nurse when caring for adult clients with complex health problems. Course content will include measures to maintain and support the health status related to the pathophysiology of selected diseases and changes in function. Emphasis will be placed on the relationship between the nursing process and client centered care, clinical reasoning, and integrity of practice applied to acute and chronic conditions. Adopted theories from physiology, psychology, sociology and nursing will be related to client centered care and quality improvement. Application of concepts and essential psychomotor skills are demonstrated in clinical experiences using advanced technology and working with clients in selected clinical agencies.

Credit Hours: 7 Corequisite Courses:

NSG 407 and NSG 409 .

Prerequisite Courses:

NSG 401 and NSG 405 and NSG 315 ..

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 8

NSG 405 - Community Health Nursing

Course Description:

Introduces the core concepts of professional nursing essential to the role of the professional nurse when caring for aggregates of clients in the community. Course contents emphasize the relationships between the community nursing process and client centered care, clinical reasoning, and integrity of practice applied risk reduction, health prevention and promotion of individuals, families, and aggregates in diverse community settings. Adopted theories from epidemiology, sociology, nursing, and environmental management are related to the aggregate client

centered care and quality improvement. Application of concepts and essential psychomotor skills are demonstrated in a clinical experience using advanced technology and working with clients in selected clinical agencies.
Credit Hours: 4 (2 Theory/2 Clinical) Corequisite Courses:

NSG 401

Prerequisite Courses:

NSG 329 and NSG 330 and NSG 335

University Studies: ["Approaches and Perspectives/Living in Our Diverse Nation", "Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 5

NSG 406 - Leadership and Management in Nursing

Course Description:

This course introduces core concepts of leadership and management for the professional nurse. Emphasis is placed on leadership and management theories, health systems organization, role development, and the legal and ethical considerations that impact care delivery and quality.
Credit Hours: 3 Prerequisite Courses:

NSG 316 with a C or better.

Additional Restrictions/Requirements:

Only open to students in the RN-BSN option.

Course Repeatability: Course may not be repeated.

NSG 407 - Leadership and Management in Nursing for the Professional Nurse

Course Description:

Introduces the core concepts of leadership and management for the professional nurse. Course content includes discussion of theories of management and leadership; health systems organizations; change, power, authority; role development; models of nursing care delivery; legal ramifications of delegation, models of quality management; nursing and the political process.

Credit Hours: 3 Corequisite Courses:

NSG 403, NSG 409

Additional Restrictions/Requirements:

This course is intended for those students enrolled in the Prelicensure program.

Course Repeatability: Course may not be repeated.

NSG 408 - Population and Community Health Nursing

Course Description:

This course addresses the community nursing process and its relationship with client-centered care, clinical reasoning, and integrity of practice applicable to health prevention, promotion, and risk reduction in diverse settings. Content addresses social and ecological determinants of health through health education, epidemiology, case management, partnerships, and technology, examining outcomes for an evidence-based, culturally sensitive practice.

Credit Hours: 3 Prerequisite Courses:

NSG 316 with a C or better.

Additional Restrictions/Requirements:

Open only to students in the RNBS Program.

University Studies: ["Approaches and Perspectives/Living in Our Diverse Nation", "Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

NSG 409 - Clinical Nursing VIII: Capstone, Transition to Professional Practice

Course Description:

This end of program capstone focuses on integrating concepts, principles, knowledge, and theories from nursing, other disciplines, and the arts and sciences. The course is designed to foster an intense one to one learning experience between the student and an experienced preceptor while under the guidance of the UNCW SON clinical faculty. This relationship is designed to facilitate the transition to the professional practice setting, to enhance the development and demonstration of sound clinical judgment, and to promote confidence functioning as a generalist professional nurse.

Credit Hours: 4 Corequisite Courses:

NSG 403 and NSG 407

Prerequisite Courses:

NSG 401 and NSG 405 and NSG 415

University Studies: ["Common Requirements/Critical Reasoning"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 4

NSG 411 - Complementary and Alternative Therapies

Course Description:

This course provides a description and analysis of the growing use of complementary and alternative therapies (CATs) by consumers in contemporary society. Emphasis will be placed on ways to promote healing and optimum health in the individual, families, and communities. The student will increase their knowledge, skills, and attitudes necessary to communicate effectively with patients and health care providers about these therapies to enhance patient health and safety.

Credit Hours: 3 Additional Restrictions/Requirements:

Open only to students in the RNBSN program.

University Studies: ["Approaches and Perspectives/Living in a Global Society"] Course Repeatability: Course may not be repeated.

NSG 415 - Research in Nursing

Course Description:

This course introduces the concepts of nursing research to registered nurses who are pursuing their baccalaureate degree in nursing. The course content includes a review of how to apply basic research concepts and evidence-based practice to the field of nursing science. The student will identify a health-related problem within nursing to conduct an analysis and critique of the research literature, synthesize these critiques as it applies to practice, and foster a plan of action to make evidence-based practice a reality within nursing practice.

Credit Hours: 3 Prerequisite Courses:

(STT 210 with a C or better or STT 215 with a C or better or PSY 225 with a C or better or QMM 280 with a C or better or BAN 280 with a C or better) and NSG 316 with a C or better.

Additional Restrictions/Requirements:

Open only to students in the RNBSN program.

University Studies: ["Building Competencies/Writing Intensive", "Building Competencies/Information Literacy", "Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

NSG 422 - Mental Health Nursing Across the Lifespan

Course Description:

This course introduces core concepts of nursing essential to the role of the professional nurse caring for patients with mental health disorders across the lifespan. The course content will include health promotion and restoration for the patients and their families, along with professional values of patient centered care, lifelong learning, and quality improvement. Applications of concepts and essential therapeutic communication and psychomotor skills are demonstrated in clinical experiences working with culturally diverse patients in various agencies.
Credit Hours: 3 (2 Lecture/1 clinical) Prerequisite Courses:
NSG 311 , NSG 314 , NSG 319 (C or better).
Course Repeatability: Course may not be repeated. Major Restriction: Nursing

NSG 424 - Nursing Leadership and Management

Course Description:
Introduces core concepts of leadership and management for the professional nurse. The course will focus on leadership and management theories, health systems organization, role development, and the legal and ethical considerations that impact care delivery and quality.

Credit Hours: 3 Prerequisite Courses:
NSG 317 (C or better).
Additional Restrictions/Requirements:
Minimum grade of C or better.
Course Repeatability: Course may not be repeated. Major Restriction: Nursing

NSG 426 - Acute and Complex Nursing Care of Adults

Course Description:
This course will build upon core nursing concepts essential to the role of the professional nurse when caring for individuals, families, and communities with complex health problems. This course will focus onadvanced concepts and response to changes inconditionfor patients with acute and chronic illnesses.Emphasis will be placed onthe nursing process, clinical reasoning and professional integrity.Advanced psychomotor skills and concepts in nursing care will be applied in lab and various clinical experiences.
Credit Hours: 6 (3 lecture/3 clinical) Prerequisite Courses:
NSG 311, NSG 313 , NSG 317 , NSG 319 (C or better).

University Studies: ["Critical Reasoning"] Course Repeatability: Course may not be repeated. Additional Course Fees: ["F003 Student Blanket Professional Liability Insurance, F012 Nursing Simulation Fee"] Additional Fees Link:

Additional Student Fee Link

Major Restriction: Nursing

NSG 430 - Population and Public Health Nursing

Course Description:

This course introduces the student to the core concepts essential to the role of the professional nurse in population health. The course focuses on health promotion, and disease and injury prevention based on determinants of local, national, and global health. Content is guided from theories in nursing, psychology, and sociology. Course content will examine how health care delivery systems, public health agencies, and community-based organizations collaborate for health promotion, risk reduction, and disease management and control in vulnerable populations

Credit Hours: 3 (2 lecture/1 clinical) Prerequisite Courses:

NSG 313 , NSG 314 , NSG 426 (C or better).

Additional Restrictions/Requirements:

Minimum grade of C or better.

University Studies: ["Approaches and Perspectives/Living in a Global Society", "Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated. Major Restriction: Nursing

NSG 432 - Advocacy and Policy

Course Description:

This course focuses on social, psychological, economic, political, legal, ethical, and diverse environments which shape health care delivery systems in the United States. There will be critical analyses related to health policy, health care reform, health care systems, and determinants of health. It also explores how the nurse can advocate for change in health policy.

Credit Hours: 3 Prerequisite Courses:

NSG 424 (C or better).

Additional Restrictions/Requirements:

Minimum grade of C or better.

University Studies: ["Approaches and Perspectives/Living in Our Diverse Nation"] Course Repeatability: Course may not be repeated. Major Restriction: Nursing

NSG 434 - Capstone: Prioritization and Application of Nursing Care

Course Description:

Synthesizes information from previous courses to prepare the student for transition to practice. This course is designed to enhance the prioritization and reasoning skills needed by the nurse to manage, coordinate, and deliver safe patient-centered care. Through classroom activities and a one-to-one preceptorship with an experienced registered nurse, the student will refine psychomotor skills and deliver care that demonstrates sound clinical judgements and professional values.

Credit Hours: 5 (2 lecture/3 clinical) Prerequisite Courses:

NSG 422 , NSG 426 (C or better).

Additional Restrictions/Requirements:

Minimum grade of C or better.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated. Additional Course Fees: ["F003 Student Blanket Professional Liability Insurance, F012 Nursing Simulation Fee"] Major Restriction: Nursing

NSG 445 - Nursing in Barbados

Course Description:

Study designed for upper-division nursing majors and registered nurses to study the culture and health care practices of the people of Barbados. Students will have an in-depth study of the political, social, economic, religious, educational, governmental and health care systems. They will examine the history, traditions, customs, and health practices of the Bajan people. Clinical practicum will focus on care of clients in the Queen Elizabeth Hospital and Sir Winston Scott Polyclinic.

Credit Hours: 5 Course Repeatability: Course may not be repeated.

NSG 451 - Pediatric Nursing Care: Beyond the Basics

Course Description:

Building upon previous coursework related to family-centered care, ethics, and evidence-based practice, this course will equip students with specialized knowledge to advance their care of pediatric patients. Focus will include communication with

interdisciplinary care team members as well as current best practice guidelines for the pediatric population. Concepts of pediatric advanced life support, family nursing assessment for the complex pediatric client, service/applied learning projects.
Credit Hours: 3 Prerequisite Courses:
NSG 314 , NSG 319 (C or better).
Additional Restrictions/Requirements:
Minimum grade of C or better.
Course Repeatability: Course may not be repeated. Major Restriction: Nursing

NSG 452 - Mental Health Care: Beyond the Basics

Course Description:
Appraise the impact of bias and stigma in the care of mental health disorder/s by examining the perspectives of mental illness from popular culture, healthcare providers, and patients. Students will focus on mitigating this bias and improving treatment from both an individual and population health focus.
Credit Hours: 3 Prerequisite Courses:
NSG 422 (C or better).
Additional Restrictions/Requirements:
Minimum grade of C or better. May only be taken in final semester of nursing school.

Course Repeatability: Course may not be repeated. Major Restriction: Nursing

NSG 453 - Clinical Reasoning for Critical Patients

Course Description:
Focuses on the development and application of advanced concepts in the management of critically ill adults. The course is designed to enhance clinical reasoning, critical thinking, and skill development for nursing students aspiring to work in the emergency department and/or critical care setting. There will also be an emphasis on the nurse's role as an interdisciplinary team member and delivering patient centered care while incorporating clinical guidelines and protocols to ensure professional performance and values within legal and ethical frameworks.
Credit Hours: 3 Prerequisite Courses:
NSG 426 (C or better).
Additional Restrictions/Requirements:
Minimum grade of C or better. Can only be taken in final semester of nursing school.

Course Repeatability: Course may not be repeated. Major Restriction: Nursing

NSG 454 - Genomics and Ethical Considerations

Course Description:

This course will introduce human genomics related to provision of patient and family centered health care across the lifespan. Nurses are in an ideal position to facilitate patients and families to make sense of, respond to, and use the information they receive during the genetic testing experience. This is not a course in basic genetics, rather the focus is on the nurse's role in clinical application of a working knowledge of human genetics. Using ethical principles, students will be encouraged to critically examine the social, legal, cultural, political, and professional implications of the integration of genomics into health care practices.

Credit Hours: 3 Prerequisite Courses:

NSG 319 (C or better).

Additional Restrictions/Requirements:

Minimum grade of C or better.

Course Repeatability: Course may not be repeated. Major Restriction: Nursing

NSG 480 - Transcultural Nursing

Course Description:

Explores values and belief systems influencing health behaviors of culturally diverse groups. Emphasizes cultural, social, political, and economic forces that influence access to and use of health care resources. Identifies a conceptual basis for assessment, planning, implementation, and evaluation of health care for culturally diverse clients. Fosters cultural sensitivity to life styles, values, and concepts concerning health and health care. The goal of this course is to broaden the student's perception and understanding of health/HEALTH and illness/ILLNESS and the variety of meanings these terms carry for members of differing sociocultural populations.

Credit Hours: 3 Additional Restrictions/Requirements:

Open only to students in RNBSN program.

University Studies: ["Approaches and Perspectives/Living in a Global Society"] Course Repeatability: Course may not be repeated. Additional Course Fees: [""] Equivalent Courses: [""]

NSG 482 - Pathophysiologic and Pharmacological Evidence Based Nursing Care

Course Description:

This theory course builds on basic knowledge of pathophysiology and pharmacology to enhance nursing management of health, wellness, and disease. Analysis of current pharmacological based research will provide the foundation for evidence based nursing practice. Physiological, pathophysiological, and pharmacological concepts that explain the rationale behind treatment decisions are examined.

Credit Hours: 3 Prerequisite or Corequisite Courses:

NSG 316 with a C or better.

Additional Restrictions/Requirements:

Open only to students in the RNBSN program.

University Studies: ["Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

NSG 484 - Professional Nursing Capstone

Course Description:

This course synthesizes information from previous courses and clinical practice to prepare the student for professional practice as a baccalaureate-prepared registered nurse. Emphasis is placed on reflection and concept integration to promote nursing advocacy, leadership, innovation, and evidence-based management of care.

Credit Hours: 3 Prerequisite or Corequisite Courses:

NSG 408 with a C or better.

Prerequisite Courses:

NSG 316 with a C or better and NSG 321 with a C or better and NSG 323 with a C or better and NSG 398 with a C or better and NSG 406 with a C or better and NSG 408 with a C or better and NSG 415 with a C or better and NSG 482 with a C or better.

Additional Restrictions/Requirements:

Open only to students in RNBSN program.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

NSG 487 - Genetics and Genomics in Healthcare

Course Description:

This course will focus on an introduction to emerging knowledge in human molecular genetics and the related implications for health care across the lifespan through multidisciplinary perspectives. Content focuses on the application of genetics to clinical practice, including screening for genetic predisposition, the impact of genetics on health promotion and disease prevention, and the uses of genetically engineered technology and therapies. Students will be encouraged to critically examine the social, legal, cultural, political, and professional implications of the integration of genetics into health care practices.
Credit Hours: 3 Additional Restrictions/Requirements:
Open only to students in the RNBSN program.
Course Repeatability: Course may not be repeated.

NSG 491 - Directed Individual Study

Course Description:
A maximum of six hours may apply toward graduation.
Credit Hours: 1 To 3 Prerequisite Courses: (NSG 330 and NSGL 330 [Inactive]) or (NSG 389 [Inactive] and NSGL 389 [Inactive]) Additional Restrictions/Requirements:
Junior or senior standing, prerequisite courses, overall GPA of at least 2.00; consent of instructor.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

NSG 494 - Undergraduate Nursing Study Abroad II

Course Description:
This course provides School of Nursing advanced undergraduate study abroad opportunities.
Credit Hours: 1 To 6 Additional Restrictions/Requirements:
Instructor approval
Course Repeatability: Course may not be repeated.

NSG 495 - Selected Topics in Nursing

Course Description:
Selected topics in nursing. A maximum of three hours will apply toward graduation.
Lab:
The lab for this course is NSGL 495 .
Credit Hours: 1 To 3 Additional Restrictions/Requirements:

Nursing student with junior or senior standing, and consent of instructor.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 3

NSG 499 - Honors Work in Nursing

Course Description:

Individual study for honors students.

Credit Hours: 2 To 3 Additional Restrictions/Requirements:

Eligibility for honors program at the Departmental major level.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

NSGL 345 - Health Maintenance Needs of Young Children Practicum

Course Description:

Provides students the opportunity to work in a variety of childcare settings with a specific focus on health maintenance of young children and their families. They will practice childcare skills and experience ways in which the dependency needs of children (birth through kindergarten) are managed by staff members in community settings while maintaining a healthy, safe environment. This course is designed for non-nursing majors.

Credit Hours: 1 Course Repeatability: Course may not be repeated.

NSGL 495 - Selected Topics in Clinical Nursing

Course Description:

Selected topics in clinical nursing. A maximum of three hours will apply toward graduation.

Lab:

This course is the lab for NSG 495 .

Credit Hours: 1 To 3 Additional Restrictions/Requirements:

Junior or senior standing and major, and consent of instructor.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 3

School of Social Work

https://uncw.edu/academics/colleges/chhs/schools/social-work/

The School of Social Work offers a Bachelor of Social Work degree that prepares students for entry-level generalist social work practice in many public and private social agencies. Such agencies include family services programs, schools, hospitals, departments of social services, hospices, nursing homes, health care services, mental health agencies, and other programs and services for children and adults. The B.S.W. program is fully accredited by the Council on Social Work Education.

Students wishing to apply for admission to the social work major must present the School of Social Work evidence of having achieved an overall UNCW GPA of 2.50 and 45 college credit hours. Students must then complete the School of Social Work application for admission form located on our website https://uncw.edu/academics/colleges/chhs/schools/social-work/. Transfer students (and students with less than 15 hours) who wish to be Pre Social Work students must contact the CHHS Office of Student Success prior to declaring a major in social work.

Social Work, B.S.W.

Program Coordinator: Kathryn Thiel | Interim Program Coordinator & Lecturer (Bachelor of Social Work | UNCW)

The Bachelor of Social Work (BSW) degree:

- provides an undergraduate educational program well-grounded in the profession of social work as represented by the Council on Social Work Education;
- responds to the need for professionally-trained social workers in human and social services in the state and region, and;
- creates an academically sound professional educational process consistent with the larger purposes and mission of UNCW.

BSW degree graduates are employed by departments of social services, school systems, medical facilities, nursing homes, and many other human services agencies. They work with children, families, and community groups to enhance personal and interpersonal functioning.

The UNCW BSW Program follows a 'generalist' model of social work education, with an emphasis on the 'strengths-perspective' of social work practice. This means that UNCW BSW students obtain a well-rounded social work education in all areas of BSW-level practice, with a specialized knowledge of strengths-perspective, which honors client resiliency.

SWK 105 - Facing Life's Challenges: Resilience, Hope and Happiness

Course Description:

Explores the necessary changes and challenges faced by individuals, families, and communities as part of this thing called "life." Focus will be on how each of us can foster resilience, hope and happiness in the face of life's demands from simple changes to traumatic events.

Credit Hours: 3 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SWK 106 - Social Work Global Visions: Citizens, Issues and Approaches

Course Description:

Explores the global issues faced by disenfranchised people around the world, including issues of diversity, poverty, political issues, economic concerns and environmental issues. How social work on an international level addresses these issues through collective strength-based practice will be covered.

Credit Hours: 3 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SWK 235 - Introduction to Social Work and the Social Welfare System

Course Description:

Social welfare institution and the social work profession in the United States; the values, methods and roles of social workers and the history of the system.

Credit Hours: 3 Additional Restrictions/Requirements:

Students must earn a "C" or better in each SWK course in order to progress in the program.

University Studies: ["Approaches and Perspectives/Understanding Human Institutions and Behaviors"] Course Repeatability: Course may not be repeated.

SWK 240 - Basic Working Relationship Skills

Course Description:

Multi-cultural working relationship skills for generalist practice, building client-

directed partnerships, interviewing, and transitioning from services using a strengths-based and solution-focused perspective. Process recordings, case assessments, social work ethics, values and diversity are covered.
Lab:
The lab for this course is SWKL 240 .
Credit Hours: 3 Corequisite Courses:
SWKL 240 and SWK 320 and SWK 355 .
Prerequisite Courses:
Prerequisite or corequisite: SWK 235 .
Additional Restrictions/Requirements:
Restricted to BSW majors main campus and/or extension site. Students must earn a "C" or better in each SWK course in order to progress in the program.
Course Repeatability: Course may not be repeated.

SWK 294 - Social Work Study Abroad I

Course Description:
This course provides Social Work undergraduate study abroad opportunities.

Credit Hours: 1 To 6 University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated.

SWK 310 - Social Work with Older Adults

Course Description:
Examines the status of the elderly and specific problems they confront in modern society. Focuses on social agencies and other service resources. Analyzes policies. Major emphases on practice, service settings and special populations.
Credit Hours: 3 Prerequisite Courses:
SWK 235 or GRN 101 .
Additional Restrictions/Requirements:
Students must earn a "C" or better in each SWK course in order to progress in the program.
Course Repeatability: Course may not be repeated.

SWK 311 - Child Abuse and Neglect

Course Description:

Study of the knowledge base, laws, and professional roles associated with contemporary child welfare practice. Identification of child maltreatment, reporting procedures and community-based interdisciplinary practice issues are emphasized. Upon acceptance to the NC Child Welfare Education Collaborative, students must complete both SWK 311 and SWK 312 before admission to a DSS field placement.
Credit Hours: 3 Additional Restrictions/Requirements:
Students must earn a "C" or better in each SWK course in order to progress in the program.
Course Repeatability: Course may not be repeated.

SWK 312 - Seminar on Practice in Children, Youth, and Family Services

Course Description:
Second of two-course sequence to prepare students for contemporary child welfare practice. Focused study of skills, tasks, and best practices associated with public child welfare services. Upon acceptance to the NC Child Welfare Education Collaborative, students must complete both SWK 311 and SWK 312 before admission to a DSS field placement.
Credit Hours: 3 Prerequisite Courses:
SWK 311 .
Additional Restrictions/Requirements:
Students must earn a "C" or better in each SWK course in order to progress in the program.
Course Repeatability: Course may not be repeated.

SWK 315 - Issues for Social Workers in Mental Health

Course Description:
Concepts of mental health and practice in social context. Managed care, models of practice, rural community mental health, and future directions in community health, all considered in a multicultural perspective.
Credit Hours: 3 Prerequisite Courses: SWK 235 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SWK 316 - Generalist Social Work in Rural Communities

Course Description:

A survey of rural community life, its institutions, value systems, customs, and their implications for social work practice. Issues dealing with migrant workers and Native American cultures.
Credit Hours: 3 Prerequisite Courses: SWK 235 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SWK 318 - Social Work and Health Care Delivery

Course Description:
An examination of the rationale, issues, problems and practices related to the implementation of client-centered health care. New programs and proposals for the delivery of health services will be reviewed systematically with reference to the implications for social work practice.
Credit Hours: 3 Prerequisite Courses:
SWK 235 .
Additional Restrictions/Requirements:
Students must earn a "C" or better in each SWK course in order to progress in the program.
Course Repeatability: Course may not be repeated.

SWK 319 - Ethical Decision Making in Social Work Practice

Course Description:
Study of ethical issues in social work practice with emphasis upon application of NASW Code of Ethics.
Credit Hours: 3 Prerequisite Courses: SWK 235 Additional Restrictions/Requirements:
Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SWK 320 - Human Behavior and the Social Environment I

Course Description:
Perspectives on human development and behavior in diverse contexts, including: culture, oppression, poverty, gender, ethnicity, physical and social settings. Implications for social work practice and policies. Prenatal Through Adolescence.
Credit Hours: 3 Corequisite Courses:
SWK 240 and SWK 355 , and SWKL 240 , each with a grade of 'C' or better.
Prerequisite or Corequisite Courses:

SWK 235 with a grade of 'C' or better.
Additional Restrictions/Requirements:
Restricted to BSW majors main campus and/or extension site. Students must earn a "C" or better in each SWK course in order to progress in the program.
University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

SWK 321 - Human Behavior and the Social Environment II

Course Description:
Perspectives on human development and behavior in diverse contexts, including: culture, oppression, poverty, gender, ethnicity, physical and social settings. Implications for social work practice and policies. Young Adulthood Through Death.
Credit Hours: 3 Corequisite Courses:
SWK 396 and SWK 443 , each with a grade of 'C' or better.
Prerequisite Courses:
SWK 320 with a grade of 'C' or better.
Additional Restrictions/Requirements:
Restricted to BSW majors main campus and/or extension site. Students must earn a "C" or better in each SWK course in order to progress in the program.
University Studies: ["Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

SWK 335 - Social Welfare Policies

Course Description:
Social, cultural, economic, and political influences on the social welfare system. Policymaking, program development and planning.
Credit Hours: 3 Corequisite Courses:
SWK 396 .
Prerequisite Courses:
SWK 235 and PLS 101 .
Additional Restrictions/Requirements:
Restricted to BSW majors main campus and/or extension site. Students must earn a "C" or better in each SWK course in order to progress in the program.
University Studies: ["Approaches and Perspectives/Understanding Human Institutions and Behaviors", "Building Competencies/Information Literacy", "Writing Intensive"] Course Repeatability: Course may not be repeated.

SWK 341 - Generalist Social Work Practice with Individuals and Families

Course Description:

Client-directed strengths-based and solution-focused generalist practice with individuals and families. Assessments, progress notes, case management, working with mandated clients, crisis and trauma work covered.

Credit Hours: 3 Corequisite Courses:

SWK 407 and SWK 497 .

Prerequisite Courses:

SWK 240 and SWKL 240 and SWK 442 and SWK 443 .

Additional Restrictions/Requirements:

Restricted to BSW majors main campus and/or extension site. Students must earn a "C" or better in each SWK course in order to progress in the program.

Course Repeatability: Course may not be repeated.

SWK 355 - Issues in Diversity for Generalist Practice

Course Description:

Values, biases, and prejudices which produce personal and social vulnerability. Consequences in the lives of people of color, women, the poor, gays and lesbians, and others.

Credit Hours: 3 Corequisite Courses:

SWK 240 and SWKL 240 and SWK 320 , each with a grade of 'C' or better.

Prerequisite or Corequisite Courses:

SWK 235 with a grade of 'C' or better.

Additional Restrictions/Requirements:

Restricted to BSW majors main campus and/or extension site. Students must earn a "C" or better in each SWK course in order to progress in the program.

University Studies: ["Approaches and Perspectives/Living in Our Diverse Nation"] Course Repeatability: Course may not be repeated.

SWK 366 - Introduction to Substance Use Disorders and Addictions

Course Description:

Introduction to the dilemma of substance use disorders and addictions, an overview

of habit-forming substances, as well as strengthening student awareness of signs and symptoms present when initiating work with individuals dealing with substance abuse and addictions.

Credit Hours: 3 Additional Restrictions/Requirements:

Restricted to BSW majors main campus and/or extension site. Students must earn a "C" or better in each SWK course in order to progress in the program.

Crosslisting:

SWK 566

Course Repeatability: Course may not be repeated.

SWK 396 - Pre-Field Seminar

Course Description:

Explore professional expectations of field education, including ethical standards of the NASW Code of Ethics. Preparation of a resume, identification of the student's learning style, and exploration of diverse agencies and fields of practice.

Credit Hours: 1 Corequisite Courses:

SWK 321 and SWK 355 and SWK 443 .

Prerequisite Courses:

SWK 235 and SWK 240 and SWK 320 .

Additional Restrictions/Requirements:

Restricted to BSW majors main campus and/or extension site. Students must earn a "C" or better in each SWK course in order to progress in the program.

Course Repeatability: Course may not be repeated.

SWK 406 - Research Methods for Social Work Practice I

Course Description:

Research methodologies in social work practice; client-centered research questions, theoretical frameworks, research design sampling, data collection, analysis and report writing.

Credit Hours: 3 Corequisite Courses:

SWK 496 .

Prerequisite Courses:

SWK 321 .

Additional Restrictions/Requirements:

Restricted to BSW majors main campus and/or extension site. Students must earn a "C" or better in each SWK course in order to progress in the program.

University Studies: ["Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated.

SWK 407 - Statistics and Research Methods for Social Work Practice

Course Description:

Program/Practice Evaluation: group and single-subject designs, applications, data analysis, and ethical considerations.

Credit Hours: 3 Corequisite Courses:

SWK 497 .

Prerequisite Courses:

SWK 406 or CHHS 411 .

Additional Restrictions/Requirements:

Restricted to BSW majors main campus and/or extension site. Students must earn a "C" or better in each SWK course in order to progress in the program.

SWK 417 - Constructing Masculinities: from Boyhood to Manhood

Course Description:

Impact of biological-psychological-social/cultural influences on male development, the construction of multiple masculinities and the consequent impact on men's lives, their families, and society. Discussion of implications for social work practice and social policy.

Credit Hours: 3 Prerequisite Courses: SOC 105 Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SWK 418 - Social Work Practice in the School Environment

Course Description:

Examines legislation shaping contemporary public education and school social work services in North Carolina. Emphasis on strengths-based, solution-focused social work intervention across the spectrum of social, emotional, and behavioral needs of students to enhance school performance. This course and a field placement in a school setting are required for NC School Social Work Certification.

Credit Hours: 3 Corequisite Courses:

SWK 496 .

Additional Restrictions/Requirements:

Corequisite course, or consent of instructor. Students must earn a "C" or better in each SWK course in order to progress in the program.

Course Repeatability: Course may not be repeated.

SWK 425 - Mindfulness: Implications for Personal Wellbeing and Professional Practice

Course Description:

Elective course open to all majors and designed to acquaint students with the concept of mindfulness, its connection to personal wellbeing,and its relevance to future professional practice.

Credit Hours: 3 Additional Restrictions/Requirements:

Students must earn a "C" or better in each SWK course in order to progress in the program.

Crosslisting:

SWK 525

Course Repeatability: Course may not be repeated.

SWK 442 - Generalist Social Work Practice with Groups

Course Description:

Basic group typology and dynamics applied to task and treatment groups in generalist social work practice. Client-directed strengths-based skills for a range of treatment and task groups.

Credit Hours: 3 Corequisite Courses:

SWK 496 .

Prerequisite Courses:

SWK 443 .

Additional Restrictions/Requirements:

Restricted to BSW majors, main campus and/or extension site. Students must earn a "C" or better in each SWK course in order to progress in the program.

Course Repeatability: Course may not be repeated.

SWK 443 - Social Work Practice with Communities and Organizations

Course Description:

Knowledge, values, and skills common to social work practice at the community and organizational levels. Principles of social planning, community development, and social action. Topics include needs assessment, program planning and development, organizational change and program evaluation.

Credit Hours: 3 Corequisite Courses:

SWK 321 and SWK 396 .

Prerequisite Courses:

SWK 240 and SWK 320 .

Additional Restrictions/Requirements:

Restricted to BSW majors, main campus and/or extension site. Students must earn a "C" or better in each SWK course in order to progress in the program.

Course Repeatability: Course may not be repeated.

SWK 444 - Healing and the Mind: An Integrative Practice

Course Description:

Covers research in neurobiology, interpersonal neuroscience, positive psychology and mindfulness. Integrates these findings into experiential exercises in personal development and practice in the fields of physical and emotional health, human services and schools.

Credit Hours: 3 Crosslisting:

SWK 544

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SWK 450 - The Culture of Military Life and Entering the War Zone

Course Description:

Understanding the fundamental culture of military life and training and the experience of troops entering the war zone: norms, language, rank, military justice, and family life. Using the concept of 'battle mind' the course will cover the requirements of troop preparation for combat and their entering the war zone. Preparation for social work students to be able to work with veterans, active military and their families.

Credit Hours: 3 Prerequisite Courses:

SWK 235 .

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor. Students must earn a "C" or better in each SWK course in order to progress in the program.
Crosslisting:
SWK 550
Course Repeatability: Course may not be repeated.

SWK 451 - Returning from the War Zone: Consequences, PTSD, Traumatic Injury, Interventions and Preventative Me

Course Description:
Students will learn the potential consequences for troops returning home to state side military life and family life: Confronting stress, trauma, depression, anxiety, addiction, anger, panic reactions, PTSD resulting from war zone service. Methods of prevention and intervention will be covered.
Credit Hours: 3 Prerequisite Courses:
SWK 450 .
Additional Restrictions/Requirements:
Students must earn a "C" or better in each SWK course in order to progress in the program.
Crosslisting:
SWK 551
Course Repeatability: Course may not be repeated.

SWK 460 - Grant Writing for Human Services

Course Description:
Study and development of grant writing skills for human service workers. Course discusses development of needs assessment, goal setting, program design, evaluation, budgeting and securing funding sources.
Credit Hours: 3 Additional Restrictions/Requirements:
Students must earn a "C" or better in each SWK course in order to progress in the program.
Course Repeatability: Course may not be repeated.

SWK 491 - Directed Individual Study

Course Description:
Involves investigation under faculty supervision beyond what is offered in existing

courses. For further information, consult the Directed Individual Studies section in this catalogue.

Credit Hours: 1 To 3 Additional Restrictions/Requirements:

Junior or senior standing, overall GPA of at least 2.00, and consent of instructor, department chair and dean.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

SWK 494 - Undergraduate Social Work Study Abroad II

Course Description:

This course provides Social Work advanced undergraduate study abroad opportunities.

Credit Hours: 1 To 6 Additional Restrictions/Requirements:

Instructor approval

Course Repeatability: Course may be repeated.

SWK 495 - Topical Seminar

Course Description:

Discussion of selected topics in social work. May be repeated under a different subtitle.

Credit Hours: 1 To 3 Prerequisite Courses:

SOC 105 and SWK 235 .

Additional Restrictions/Requirements:

Prerequisite courses and consent of instructor. Students must earn a "C" or better in each SWK course in order to progress in the program.

Course Repeatability: Course may be repeated.

SWK 496 - Field Practicum I

Course Description:

Development and application of skills used in social work practice. Supervision of student field experience in a community social service setting. Analysis and discussion of field experiences in a series of field seminars to be arranged by the field liaison.

Credit Hours: 6 Corequisite Courses:

SWK 406 or CHHS 411 and SWK 442 .

Prerequisite Courses:

SWK 396 and SWK 321 and SWK 443 and SWK 355 .

Additional Restrictions/Requirements:

Restricted to BSW majors main campus and/or extension site. Consent of instructor, and 2.5 overall GPA.Students must earn a "C" or better in each SWK course in order to progress in the program.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated.

SWK 497 - Field Practicum II

Course Description:

Development and application of skills used in social work practice. Supervision of student field experience in a community social service setting. Analysis and discussion of field experiences in a series of field seminars to be arranged by the field liaison.

Credit Hours: 6 Corequisite Courses:

SWK 407 and SWK 321 .

Prerequisite Courses:

SWK 496 and SWK 396 and SWK 321 and SWK 443 and SWK 355 .

Additional Restrictions/Requirements:

Restricted to BSW majors main campus and/or extension site. Consent of instructor and 2.5 overall GPA. Students must earn a "C" or better in each SWK course in order to progress in the program.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated.

SWK 499 - Honors Work in Social Work

Course Description:

Independent study for honors students.

Credit Hours: 2 To 3 Additional Restrictions/Requirements:

Senior standing and eligibility for honors program.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

SWKL 240 - Working Relationship Lab

Course Description:

Students will practice the basic working relationship interviewing skills, and engage in a service-learning project.

Lab:

This course is the lab for SWK 240 .

Credit Hours: 1 Corequisite Courses:

SWK 240 and SWK 320 and SWK 355 , each with a grade of 'C' or better.

Prerequisite or Corequisite Courses:

SWK 235 with a grade of 'C' or better.

Additional Restrictions/Requirements:

Restricted to BSW majors main campus and/or extension site. Students must earn a "C" or better in each SWK course in order to progress in the program.

Course Repeatability: Course may not be repeated.

–College of Health and Human Services

College of Humanities, Social Sciences, and the Arts

Stephanie Caulder, *founding dean*

Michelle Scatton-Tessier, *senior associate dean for faculty policy and enrollment management*

Paul Townend, *associate dean for student success and policy*

Gail Killman*, assistant dean for administration and resource management*

https://uncw.edu/academics/colleges/chssa/

The College of Humanities, Social Sciences, and the Arts (CHSSA) offers a variety of programs in the liberal arts leading to the Bachelor of Arts, Bachelor of Fine Arts in creative writing, Bachelor of Music, Master of Arts, Master of Fine Arts in creative writing and filmmaking, and Master of Public Administration. CHSSA also offers combined bachelor's/master's degree programs in Spanish and English, and a degree in interdisciplinary studies. To implement these programs,CHSSA provides instruction, research, and creative opportunities in the humanities, social sciences, and fine arts. The 15 academic departments in CHSSA provide courses of study in their areas, in addition to interdepartmental programs in Africana studies; Asian

studies; campaign management, classical studies; European studies; forensic science; journalism; Latin American studies; medical humanities; Middle East and Islamic studies; Native American studies; pre-law, political entrepreneurship and leadership, and women and gender studies. CHSSA houses the Gender Studies and Research Center, a vibrant and interdisciplinary community of students, scholars, and partners committed to social justice and a deeper understanding of gender issues. Undergraduate certificates for professional writing and publishing, as well as post-baccalaureate certificates in conflict management and resolution, emergency and disaster management, forensic science, science and medical writing, women's, gender, and sexuality studies, Hispanic studies, and a post-master's certificate in liberal studies, are also offered.
CHSSA is a transformative academic environment that values discovery, innovation, collaboration and creativity. Double majors, minors, experiences abroad and independent study are all encouraged. Students are encouraged to engage with their passions,explore their curiosities and cultivate their creativity. CHSSA offers limitless opportunities to engage in collaborative and interdisciplinary research and service and make a positive societal impact. Experiential learning empowers CHSSA students to make a difference in the community and enhance the world, preparing them for a wide range of careers.

Interdisciplinary Cross-College Programs

In addition to the departments and programs listed below, the College of Humanities, Social Sciences, and the Arts offers the following joint programs with the College of Science and Engineering:

Bachelor of Arts
Digital Arts, B.A.
Digital Arts Minor

Admission to the College of Humanities, Social Sciences, and the Arts

Center for Academic Advising students wishing to declare a major within the College of Humanities, Social Sciences, and the Artsare eligible to do so after earning between 24 and 45 credits at UNCW. Students should review the requirementsof

the major to determine if any specific requirements need to be completed before declaring. Students can then use the Declare Major Administration tool found on Seaport to declare the new major. The college encourages double majors and minors across all Colleges and within CHSSA. Students interested in CHSSA majors are invited to reach out to the CHSSA Advising Center for more information or to schedule a conversation.

LIB 101 - Basic Library and Information Research Skills

Course Description:
Concepts and methodology for locating, selecting, and evaluating information, with an emphasis on electronic resources. Overview of the structure and organization of information.
Credit Hours: 1 Course Repeatability: Course may not be repeated.

LIB 103 - Introduction to Library Research and Technology

Course Description:
Exploration of concepts in library science and information technology. Emphasis on the evolving nature, trends, and issues relating to information. Development of skills in information retrieval and analysis using both print and electronic resources.
Credit Hours: 3 University Studies: ["Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

LIB 104 - Library and Information Research Skills in Business

Course Description:
An introduction to business information resources and research including the evolution of information, trends and issues in using resources such as catalogs and subscription databases. Students learn to construct effective search strategies, to find and retrieve information, critically evaluate resources and use web sites for research.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

LIB 105 - Library and Information Research Skills in the Sciences

Course Description:
Examination of research and information retrieval methods in scientific research. Emphasis on analysis of print and electronic resources, subscription databases, and evolution of information technology in the dissemination and communication of scientific information.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

LIB 203 - Lifelong Library & Information Research Skills

Course Description:
Exploration of research skills and tools needed by library and information-literacy savvy citizens. Emphasis on information retrieval and analysis using freely available sources (such as public libraries and the open web).
Credit Hours: 3 Additional Restrictions/Requirements:
Junior or senior standing.
University Studies: ["Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

WGS 210 - Introduction to Women's Studies

Course Description:
This course introduces students to the discipline of women's and gender studies. Status of women from a variety of historical, economic, cultural, and theoretical perspectives. Topics include masculinity, femininity, violence, reproductive health, issues in sexual orientation, and the intersectional dynamics of race, class, and gender.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in Our Diverse Nation"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

WGS 212 - Sexuality and Gender

Course Description:
Theoretical and cultural contexts and complexities of sexuality as they relate to the dominant culture. Intersections of race, class, gender and sexual orientation will be examined in relation to the formation of sexual identity and the contradictions of institutionalized norms and standards.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in Our Diverse Nation"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

WGS 230 - Women in Film

Course Description:

Survey and analysis of films by women filmmakers throughout the world. Diverse film styles, periods, and genres will be represented. Screening and discussion of cinematic works in their original language with English subtitles when needed.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives"] Crosslisting:

WLC 230 , FST 230

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

WGS 280 - Special Topics in Women's and Gender Studies

Course Description:

Study of selected topics in Women's and Gender Studies that are not considered in detail in regular course offerings.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in Our Diverse Nation"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

WGS 491 - Directed Individual Study

Course Description:

Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.

Credit Hours: 1 To 3 Additional Restrictions/Requirements:

WGS minor, overall minimum GPA of 2.00, and consent of instructor, WGS coordinator and dean.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 9

WGS 495 - Seminar in Women's and Gender Studies

Course Description:

Intensive interdisciplinary study of a topic or theme in women's studies, such as women and sports, women in art history, or feminist theory.

Credit Hours: 3 Prerequisite Courses:

WGS 210

Additional Restrictions/Requirements:

Prerequisite course and 6 additional hours of courses in the WGS minor or consent of instructor.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

WGS 498 - Internship in Women's and Gender Studies

Course Description:

Practical experience through a program of work and study within an agency or other setting related to the student's principal area of interest. Area of concentration, requirements, and means of evaluation to be defined in consultation with supervising faculty.

Credit Hours: 3 Additional Restrictions/Requirements:

Junior or senior standing, minimum of 12 hours in women's and gender studies or consent of coordinator.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

Department of Anthropology

www.uncw.edu/anthropology

The Department of Anthropology offers a major in anthropology within the context of the liberal arts environment. Specific goals include: (1) preparation in all facets of anthropology; (2) awareness of human biological and cultural diversity; and (3) promotion of critical thinking and effective communication skills. Graduates will be ready for immediate employment or advanced studies in anthropology or allied fields. Small classes, seminars, field studies, and internships enhance the learning environment in anthropology.

Anthropology Minor

Anthropology, B.A.

The Anthropology Department offers a Bachelor of Arts degree with an array of

courses designed to provide students an overview of the discipline and a thorough grounding in archaeology, biological anthropology, cultural anthropology, and forensic anthropology / forensic science. Through participation in field studies and laboratory research projects of faculty mentors, undergraduate students have opportunities to engage in hands-on research and sharpen analytical skills.
Dr. Bill Alexander (Chair), Dr. Midori Albert, Dr. Scott Simmons, Dr. Nora Reber, Dr. Michaela Howells, Dr. Hikmet Kocamaner, Dr. Leland Rogers

Anthropology, B.A. with Social Studies Teacher Licensure

Program Coordinator: Dr. William Alexander

ANT 105 - Introduction to Anthropology

Course Description:
Introduction to the physical, archaeological, linguistic, and ethnological fields of anthropology; biological and cultural evolution of man.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in a Global Society", "Approaches and Perspectives/Understanding Human Institutions and Behaviors"] Course Repeatability: Course may not be repeated.

ANT 190 - History Unlimited: A Short History of Nearly Everything

Course Description:
Multi-disciplinary course designed to cover the history of the universe from the big bang until today,. Draws on perspectives and methods of both anthropology and history. Topics include the physical structure and composition of the earth, jow it was formed, the emergence of life with particular focus on the evolution of humans, the organization and development of human societies, analysis of important historical periods such as agricultural, scientific and industrial revolutions. This course does not fulfill requirements towards either the history or anthropology majors.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in a Global Society", "Explorations Beyond the Classroom"] Crosslisting:
HST 190

Course Repeatability: Course may not be repeated.

ANT 206 - Cultural Anthropology

Course Description:
A presentation of the content and historical development of cultural anthropology. Deals with the cultural relativism, ethnocentrism, institutional analysis and cultural integration and shifts in theoretical perspectives by comparing ethnographies of selected cultures.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in a Global Society"]
Course Repeatability: Course may not be repeated.

ANT 207 - Archaeology

Course Description:
An exploration of the objectives, theories, methodologies and interpretive tools utilized in the study of humankind's past. Both prehistoric and historic cultures will be examined.
Lab:
The lab for this course is ANTL 207 .
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Understanding Human Institutions and Behaviors", "Approaches and Perspectives/Historical and Philosophical Approaches"] Course Repeatability: Course may not be repeated.

ANT 208 - Language & Culture

Course Description:
Human language, its characteristics and its relationship to other communication systems will be examined. The use of language to illuminate historical relationships and current sociocultural processes will be discussed, as well as ways in which one can investigate culture through cognitive structures elicited from speech.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in a Diverse Nation"]
Course Repeatability: Course may not be repeated.

ANT 210 - Biological Anthropology

Course Description:
Introduction to the study of human evolution. A dynamic exploration of nonhuman primates, fossilized human ancestors, and human biology. Examines the

intersection of biology and culture.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Scientific Approaches to the Natural World"] Course Repeatability: Course may not be repeated.

ANT 214 - Forensic Anthropology

Course Description:
Study of the role of human identification in the forensic sciences. Topics include: the history of forensic anthropology in the US; procedures for the search and recovery of human remains; methods of identification from the skeleton; trauma analyses, manners of death; time since death estimations; and the integration of other forensic science disciplines and techniques with human identification.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Understanding Human Institutions and Behaviors"] Course Repeatability: Course may not be repeated.

ANT 291 - Introductory Research

Course Description:
Independent research beyond what is offered in existing courses. Course may be repeated for credit. Only three credit hours may count towards the major.
Credit Hours: 1 To 3 Additional Restrictions/Requirements:
Freshman or sophomore standing and consent of instructor and department chair.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

ANT 295 - Special Topics In Anthropology

Course Description:
Course covers selected topics in Anthropology. May be repeated under a different subtitle. All course repeats may count towards the major, but not towards the 300-400 level requirements in the major.
Credit Hours: 3 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

ANT 303 - Culture and Gender

Course Description:
A cross-cultural study of gender in a selection of societies from African, American Indian, Asian, and Central and South American cultures.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in Our Diverse Nation", "Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

ANT 304 - Domestication: Dogs, Cats, and Barley

Course Description:

Anthropological survey of the origins and relationships between domesticated animals and plants using archaeological, cultural, and biological sources, with a focus on the essential roles domesticates have played in the formation of societies and cultures.

Course Repeatability: Course may not be repeated.

ANT 307 - Archaeology of the Americas

Course Description:

Exploration of the peopling of the Americas and various New World indigenous groups, with an emphasis on chiefdom and state level societies. Archaeological, ethnohistorical, and epicgraphic evidence is used to study the Aztec and Maya of Mesoamerica, the Mississippians and Puebloan Indians of North America, and Andean civilizations of South America.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

ANT 308 - Ancient Egypt, Mesopotamia, Indus Valley, and More

Course Description:

Studies the interplay of early state-level civilizations in Mesopotamia, Egypt, and the Indus Valley. Other topics include nomads, invaders, and the collapse of state-level societies.

Credit Hours: 3 Prerequisite Courses:

ANT 105 or ANT 207

Additional Restrictions/Requirements:

Prerequisite courses or consent of instructor.

University Studies: ["Building Competencies/Writing Intensive", "Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

ANT 309 - Environmental Anthropology

Course Description:

A study of cultural adaptations as responses of human populations to varied

environments; this course will focus upon cultural vs. biological adaptation from the archaeological past to the ethnographic present.
Credit Hours: 3 Prerequisite Courses:
ANT 105 or ANT 206 or ANT 207
Additional Restrictions/Requirements:
Prerequisite courses or consent of instructor.
University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

ANT 310 - The Ancient Maya

Course Description:
Explores the achievements of one of the most remarkable civilizations in the Americas. Artistic, architectural, economic and religious components of pre-Columbian Maya Society; the rise and decline of the civilization; Spanish impacts on Maya cultural history.
Credit Hours: 3 University Studies: ["Building Competencies/Writing Intensive", "Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

ANT 311 - Field Methods in Archaeology

Course Description:
Exploration of archaeological field methods through scientific excavation, recording, and sampling of sites of past human occupation. Focus on training in field and some laboratory methods at archaeological sites in the US or abroad.
Credit Hours: 3 To 6 Prerequisite Courses:
ANT 207
University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12 Repeat Limit: 1 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

ANT 312 - Collapse. The Fall of Complex Civilizations

Course Description:
A sampler of political and systemic collapses over the course of world history, applying theories of collapse to case studies including Easter Island, Mesopotamia, the Maya, and Rome. Evaluation of various theories explaining collapses and their

relation to contemporary political trends and imperatives.
Credit Hours: 3 To 6 University Studies: ["Building Competencies/Writing Intensive", "Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

ANT 313 - Plantation Archaeology

Course Description:
Exploration of the history, concepts, and current research in the archaeology and history of antebellum and postbellum southern US plantations. Topics include plantation economics, the roles of various individuals and groups in plantation society, and the integration and influence of plantations on 19th century and later American life. Study and interpretation of plantation remains using historical and archaeological approaches.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

ANT 315 - Ancient Mesoamerica

Course Description:
Overview if the development, characteristics and decline of the pre-Columbian peoples and cultures of Central America, with particular attention to archaeological and ethnographic research in Mexico, Belize, Guatemala, Honduras and El Salvador.
Credit Hours: 3 University Studies: ["Building Competencies/Information Literacy", "Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

ANT 317 - Social Issues in Latin America

Course Description:
Complex national cultures of Latin America. Contemporary issues such as the rights of native peoples, peasant land reform, urban slum settlements, development of resources, and political and economic reform movements. Case studies of individual countries.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

ANT 318 - Religion and Public Life Across Cultures

Course Description:
Exploration of the relationship between religion and politics and the increasing role

of religion in public life across different cultures in the contemporary world. Students will learn about the interactions between religion, politics, and public life in countries with ties to different majoritarian religions such as the U.S.A. (Protestant Christianity), France (Catholicism), Turkey (Sunni Islam), and India (Hinduism).
Course Repeatability: Course may not be repeated.

ANT 320 - Human Origins

Course Description:
Classification and history of human evolution deduced from the fossil record and molecular data. Discussion of Tertiary hominoids and emergence of humans with emphasis on Australopithecines and later Pleistocene hominins.
Credit Hours: 3 Prerequisite Courses:
ANT 210
Additional Restrictions/Requirements:
Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

ANT 322 - Primate Biology & Behavior

Course Description:
Ecology, social behavior, and functional morphology and classification of living primates (prosimians, monkeys, and apes); their evolutionary history and development.
Credit Hours: 3 Prerequisite Courses:
ANT 210
Additional Restrictions/Requirements:
Prerequisite course, or consent of instructor.
Course Repeatability: Course may not be repeated.

ANT 324 - Human Biological Variation

Course Description:
Nature and extent of heritable differences among human populations in evolutionary perspective. Consideration of effects of environmental factors on genic expression.
Credit Hours: 3 Prerequisite Courses:
ANT 210
Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.
University Studies: ["Building Competencies/Information Literacy", "Building Competencies/Information Literacy", "Building Competencies/Writing Intensive", "Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated.

ANT 325 - Human Growth and Development

Course Description:
Human growth and development from an evolutionary perspective. Topics to be addressed include differences and similarities in primate life histories, uniqueness of particular human life history traits, and the evolution of human development as traced through the fossil record. Relationships among growth, development, and health will be explored.
Credit Hours: 3 Prerequisite Courses:
ANT 210
Additional Restrictions/Requirements:
Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

ANT 326 - Human Osteology

Course Description:
The human skeleton focusing on bone biology and skeletal anatomy. Topics include: techniques to examine and measure bones, methods for the estimation of age, sex, ancestry and stature, analyses of pathology (disease and trauma). Topics presented within the context of specialized areas of physical anthropology, such as skeletal biology, paleodemography, and forensic anthropology.
Lab:
The lab for this course is ANTL 326 .
Credit Hours: 0 Or 3 Corequisite Courses:
ANTL 326
University Studies: ["Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated.

ANT 327 - Globalization & Culture Change

Course Description:
Explores processes of globalization in local communities by addressing issues and

dynamics of culture change in the contemporary world. Themes include: economic development and underdevelopment; legacies of colonialism; immigration; transnational culture; market and meaning exchanges in media and the arts; and organized resistance to globalization.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in a Global Society"] Course Repeatability: Course may not be repeated.

ANT 328 - Bioarchaeology

Course Description:
Contextual study of human skeletal remains from archaeological sites to reconstruct evidence of behavior and biological variability. Methods using these data to interpret or suggest how prehistoric and ancient people have lived.
Credit Hours: 3 Prerequisite Courses:
ANT 210
Additional Restrictions/Requirements:
Prerequisite course or consent of instructor.
University Studies: ["Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

ANT 329 - Environmental Justice Ethnography

Course Description:
Ethnographic survey of the emergence of social movements organized around environmental issues. Through the writings of cultural anthropologists, students learn how communities around the world threatened by environmental destruction seek justice, accountability, and sustainability. Environmental crises are analyzed in terms of globalization, structures of poverty, and human rights.
Credit Hours: 3 University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

ANT 330 - The Immigrant Experience

Course Description:
Through ethnographic accounts and personal narratives from a variety of global settings, the course examines the economic, social and political factors that prompt migration and explores the cultural adaptations, ethical questions, human rights issues, and public policy debates of immigration and resettlement.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in Our Diverse Nation", "Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

ANT 346 - Medical Anthropology

Course Description:

Investigation of systems of medical knowledge and healthcare; representations of health and illness; interactions between environmental, biological, and social factors that shape risk in vulnerable communities; and encounters between Western biomedicine and non-Western healing traditions. Emphasis on applied anthropology in global health settings.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

ANT 351 - History of Anthropological Theory

Course Description:

Explores the development of anthropological theory through the research and writings of key figures in the field. Directs attention toward social and intellectual contexts out of which anthropological theories emerge and the ethical challenges and responsibilities they entail.

Credit Hours: 3 Prerequisite Courses:

ANT 206

University Studies: ["Critical Reasoning"] Course Repeatability: Course may not be repeated.

ANT 375 - Archaeological Sciences

Course Description:

A problem-centered approach to evaluating, using, and integrating commonly used scientific techniques. Students will learn the basics of many of these techniques including dating, macroscopic, microscopic, chemical, and biological, with a special emphasis on synthesizing science and archaeology into a seamless, anthropologically effective reconstruction of the human past.

Credit Hours: 3 Prerequisite Courses:

ANT 207

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

ANT 380 - Life in Ancient Britain and Ireland

Course Description:

Archaeological study of ancient life in England, Wales, Scotland, and Ireland. Exploration of the development of ancient British and Irish cultures from Paleolithic to Roman times, with particular focus on major sites and features investigated. Travel to Britain and Ireland is an integral part of the course (required).

Credit Hours: 3 Course Repeatability: Course may not be repeated.

ANT 387 - Museum Studies

Course Description:

Study of museums in cultural, social, and historical context by examining museum types and their role in society. Field trips to local museums, guest lectures, and case studies examine such topics as collections, interpretation, marketing, visitor behavior and learning, virtual museums, and museum law and ethics.

Lab:

The lab for this course is ANTL 387 .

Credit Hours: 3 Prerequisite Courses:

ANT 206

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated.

ANT 395 - Topics in Anthropology

Course Description:

Discussion of rotating topics in Anthropology. May be repeated under a different subtitle. All repeated credits may count towards the major.

Credit Hours: 3 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

ANT 411 - Advanced Field Training in Archaeology

Course Description:

Supervisory training for field archaeologists. Students direct specific aspects of archaeological excavation, including research design, data recovery, daily site management, and field analysis.

Credit Hours: 3 Prerequisite Courses:

ANT 311

Additional Restrictions/Requirements:

Prerequisite course and consent of instructor.

Course Repeatability: Course may not be repeated. Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

ANT 412 - Historical Archaeology

Course Description:

Substantive investigation of the special excavation and analysis procedures, subject matter, and goals of archaeology as applied to the historic past of North America. Special emphasis placed upon historic archaeological sites in the local region. Lecture, laboratory, and fieldwork.

Credit Hours: 3 Prerequisite Courses:

ANT 105 or ANT 207

Additional Restrictions/Requirements:

Prerequisite courses or consent of instructor.

Course Repeatability: Course may not be repeated.

ANT 413 - Biological/Cultural Experiences in Anthropology

Course Description:

This intensive summer course offers unique opportunities to learn about the biological, social, and cultural dimensions of tropical forest conservation through direct interaction and complete immersion. The program focuses on two broad themes, each supported via site visits, focus groups, interviews and readings: 1) biological aspects of conservation science, and 2) social and cultural aspects of biodiversity conservation.

Credit Hours: 3 To 6 Additional Restrictions/Requirements:

Consent of instructor.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

ANT 425 - The Myth of Race

Course Description:

Explores human variation and the misrepresentation of human group potential and

value through the lenses of cultural and biological anthropology. Combines anthropological theory and practice to assess systems and policies that create and perpetuate social solidarities, divisions, and inequalities.
Credit Hours: 3 Prerequisite or Corequisite Courses:
ANT 210, ANT 206
Course Repeatability: Course may not be repeated. Additional Fees Link:
$50 course fee covers costs associated with the applied components of this course including entrance fees, tour fees, etc.

ANT 430 - Evolutionary Biology

Course Description:
Advanced survey of organizational principles of the genetic apparatus of prokaryotes and eukaryotes. Emphasis of the course directed to critical evaluation of current concepts and models of evolutionary dynamics using relevant illustrative examples from the literature.
Credit Hours: 3 Prerequisite Courses:
BIO 335
Crosslisting:
BIO 430
Course Repeatability: Course may not be repeated.

ANT 435 - Archaeology and the Media

Course Description:
Explorations of how archaeology is practiced today and the ways in which the field is portrayed in the popular media in the United States. Topical foci include sensationalism, accuracy of reporting and reporting criteria, and the ways in which media depictions of the field of archaeology shape public perceptions and foster misconceptions about the field.
Credit Hours: 3 Prerequisite Courses:
ANT 207
Additional Restrictions/Requirements:
Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

ANT 440 - Seminar in Southeastern Archaeology

Course Description:

Integrates southeastern archaeology, archaeological theory, and contemporary issues in archaeology. Emphasis on the southeast as a regional unit and the interplay of local environment and culture throughout the region.

Credit Hours: 3 Prerequisite Courses:

ANT 207

Additional Restrictions/Requirements:

Prerequisite course and any 300-level ANT course.

University Studies: ["Building Competencies/Writing Intensive", "Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

ANT 445 - Practicing Ethnography

Course Description:

An exposure to contemporary research practices in cultural anthropology through reading ethnographies and practicing data collection using oral histories, narratives of memory, photo images, video, and interview guides. An individual project requiring fieldwork and research.

Credit Hours: 3 Prerequisite Courses:

ANT 206

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated.

ANT 449 - Anthropology Three-Field Seminar

Course Description:

A team-taught, three-field examination of some topic of general anthropological interest. The topic will be approached from an archaeological, cultural anthropological, and physical/biological anthropological perspective. Using discussion and writing, students will apply the three-field approach of anthropology to the topic. May be repeated under a different subtitle.

Credit Hours: 3 Prerequisite Courses:

(ANT 206 and ANT 207) or ANT 210

Additional Restrictions/Requirements:

Prerequisite courses or consent of instructors.

University Studies: ["Building Competencies/Writing Intensive", "Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

ANT 451 - Anthropology After Graduation

Course Description:

Culminating experience for anthropology majors. Provides professional development skills, training in ethical practices and responsibilities, familiarization with academic and non-academic career options for anthropology graduates, and preparation in proposal design and presentation.

Credit Hours: 3 Prerequisite or Corequisite Courses:

ANT 351

Prerequisite Courses:

ANT 206, ANT 207, ANT 210

Additional Restrictions/Requirements:

Students must be Anthropology majors with Senior class standing or with instructor approval.

Course Repeatability: Course may not be repeated. Major Restriction: Anthropology

ANT 460 - Poverty and Health: Critical Medical Anthropology Perspectives

Course Description:

Seminar survey of applied medical anthropology research on the health effects of extreme poverty. Through in-depth explorations of anthropologists working in public health settings around the world, students learn methods, theory, and critical issues of this subfield. Example target populations include farmworkers, immigrants, the homeless, refugees, and the working poor.

Credit Hours: 3 University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

ANT 491 - Directed Individual Study

Course Description:

Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.

Credit Hours: 1 To 3 Additional Restrictions/Requirements:

Junior or senior standing, overall GPA of at least 2.00, and consent of instructor, department chair and dean.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

ANT 495 - Topical Seminar

Course Description:

Discussion of selected topics in anthropology. May be repeated under a different subtitle.

Credit Hours: 1 To 3 Additional Restrictions/Requirements:

Consent of instructor.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

ANT 498 - Internship In Anthropology

Course Description:

Supervised practical experience with public or private agency, organization or institution. Area of concentration, requirements, and means of evaluation to be defined in consultation with supervising faculty.

Credit Hours: 1 To 6 Additional Restrictions/Requirements:

Junior or senior standing and ANT major, and consent of instructor.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:

Additional Course Fee Schedule

ANT 499 - Honors Work In Anthropology

Course Description:

Independent work for honors students.

Credit Hours: 2 To 3 Additional Restrictions/Requirements:

Senior standing and eligibility for honors program.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

ANTL 207 - Archaeology Lab

Course Description:

Course is designed to familiarize students with techniques of archaeological recovery, preparation, preservation, and analysis of recovered archaeological materials. Laboratory work will parallel lecture, providing practical experience in

techniques covered as part of lecture course. It is not necessary to take the lab in order to take lecture.
Lab:
This course is the lab for ANT 207 .
Credit Hours: 1 Prerequisite Courses:
Prerequisite or corequisite: ANT 207 .
University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated.

ANTL 210 - Biological Anthropology Lab

Course Description: An experiential companion class to Biological Anthropology (ANT 210). Students will develop fundamental skills in assessing variation in human and nonhuman primates. Provides hands-on opportunities to work directly with fossils, bones, artifacts, and computer modeling, while building competency in the scientific methodologies utilized by professional biological anthropologists. Credit Hours: 1 Prerequisite or Corequisite Courses: ANT 210 Additional Restrictions/Requirements: Lab is optional for non anthropology majors taking ANT 210. Course Repeatability: Course may not be repeated.

ANTL 326 - Human Osteology Lab

Course Description:
The application of concepts, techniques, and methodologies to actual skeletal materials.
Lab:
This course is the lab for ANT 326 .
Credit Hours: 1 Corequisite Courses:
ANT 326
Course Repeatability: Course may not be repeated.

ANTL 387 - Museum Studies Practicum

Course Description:
Practicum includes exhibit installations, sales gallery operations, working with the permanent collection, and assessing and developing educational programs.
Lab:
This course is the lab for ANT 387 .
Credit Hours: 1 Additional Restrictions/Requirements:
Consent of instructor.

Course Repeatability: Course may not be repeated.

FSC 211 - Fundamentals of Forensic Science

Course Description:
Survey of theories, methods, techniques and applications of various forensic science disciplines. Topics include but are not limited to: crime scene and death investigation; body identification; forensic biology and chemistry; pattern, trace, and imprint evidence analysis; and forensic behavioral science.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Understanding Human Institutions and Behaviors"] Course Repeatability: Course may not be repeated.

FSC 212 - Forensic Science Methods

Course Description:
Introduction to laboratory methods and analysis in the forensic sciences. Topics include: processing evidence and crime scenes, fingerprinting, DNA, blood spatter, fiber and hair analysis, impression evidence, fractography and glass, autopsy, time since death estimation, body identification, questioned documents, arson, toxicology, and firearm analysis.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Scientific Approaches to the Natural World", "Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated.

FSC 213 - Forensic Skeletal Identification

Course Description:
Skeletal elements are a common form of evidentiary material having medicolegal significance within the forensic sciences. This course provides detailed instruction on the major bones and features of the human skeleton, including dentition. It covers methods and techniques of analysis to identify bones and bone fragments. Applied learning exercises foster discernment skills in recognizing human skeletal material apart from intact and fragmentary nonhuman bones and teeth.
Credit Hours: 3 University Studies: ["Critical Reasoning"] Course Repeatability: Course may not be repeated.

Department of Art and Art History

http://www.uncw.edu/art
The Department of Art and Art History offers majors in studio art and art history that prepare students for advanced study in their chosen field or for artistic and related careers that require the baccalaureate degree.

Art History Minor

Art History, B.A.

The Art History major provides a dynamic and diverse pathway for studying the Arts and the historical contexts in which they were produced. Art History is a truly multidisciplinary major, one where students learn and work within the tenets of History, Philosophy, Sociology, Psychology, and Anthropology, among others. A major in Art History develops critical and analytical thinking, enhances oral and written communication skills, develops a broadened world view and historical perspective, and more. Majors will discover that a wide variety of career options are available to them thanks to the skill set with which they will leave UNCW.

Studio Art Minor

Studio Art Minor introduces students to Studio Art practice with a foundational understanding of art-making and an opportunity to further explore an area of interest.

Studio Art, B.A.

The Studio Art major offers a multidisciplinary view of current art practice. The Department emphasizes exposure to a range of media in small classes with individual attention. Through technical skill and creative thinking, students are encouraged to develop a personal, disciplined direction with an understanding of their place in art history and contemporary art. The curriculum provides studio experiences in drawing, painting, sculpture, ceramics, photography, printmaking and graphic design. Exhibiting artists in the Cultural Arts Gallery and visiting artists are a regular presence in the department and enhance student learning through lectures,

collaborative projects and studio visits.

Digital Arts, B.A.

The B.A. in Digital Arts is an interdisciplinary major combining courses from the Departments of Art and Art History and Computer Science. The program develops students' technical, aesthetic, design, programming, analytical, and problem-solving skills. It prepares them to work in computer-art and design-related fields such as mobile-application and web design, game development, 3D modeling and animation, visual effects, interactive media, and other emerging opportunities at the cross-section of computer technology and the arts. The curriculum also provides a foundation needed to pursue research at the graduate level in areas such as graphics, virtual reality, simulation, and human-computer interaction.

Program Coordinator: Brittany Morago

Art and Art Education, Bachelor's/Master's Combined Program

Program Coordinator: Dr. Christine Liao
The combined Art and Art Education Bachelor's/Master's program is a rigorously designed academic pathway that enables students to acquire both their B.A. in Studio Art, Art History, or Digital Art and M.A.T. in Art Education within a five-year framework* and prepares students to meet the licensure requirements and be eligible to obtain North Carolina K-12 Art teaching licensure. This program offers the opportunity for students to initiate their graduate coursework during their undergraduate years, seamlessly integrating undergraduate and graduate learning experiences. (*It might take longer if students do not obtain their B.A. on time or do not follow the suggested graduate course sequence. Students should consult the graduate program coordinator to plan for their graduate study.)
Program Feature:

- Provide students with a pathway to an art-teaching career and be qualified to teach art in NC K-12 public schools and other avenues of art education.
- Students can enroll in graduate-level courses while completing their undergraduate studies.
- Students can double-count 500-level courses for up to 6 credit hours toward both degrees as approved by the program coordinator.

• Art Education MAT is an online master's program with in-person field experience and a semester-long full-time internship in NC public schools during their final semester.

ARH 201 - Ancient Art and Archaeology

Course Description:

Introduction to the art and cultures of ancient Egypt, the Near East, and the Mediterranean. Emphasis on architecture, painting, sculpture, and objects of daily life to inform the myths and histories of ancient civilizations connected to the broader Mediterranean basin.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives"] Course Repeatability: Course may not be repeated.

ARH 202 - Medieval and Early Modern Art

Course Description:

Study of the major developments in global art, including painting, sculpture, and architecture from the late Medieval through the Early Modern period. Subject, style, formal qualities, patronage, significance, and the place of works of art in their respective religious, social, and political context.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives"] Course Repeatability: Course may not be repeated.

ARH 204 - Art of the Modern World

Course Description:

Examination of major monuments, artists, and artistic developments from the 19th to the late 20th century, primarily in Europe and the Americas. Study of the relationship between works of art and the historical, political, religious, and philosophical context of the societies that produced and made use of them.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives"] Course Repeatability: Course may not be repeated.

ARH 300 - Egyptian Art

Course Description:

A study of the art and culture of ancient Egypt, from 3000 BC to the third century BC. Emphasis on architecture, sculpture, and painting as related to Egyptian history,

culture, and religion.
Credit Hours: 3 Prerequisite Courses:
ARH 201 or ARH 202 or ARH 204 or consent of instructor.
Course Repeatability: Course may not be repeated.

ARH 301 - Ancient Greek Art

Course Description:
A study of the art of the Aegean and ancient Greece, from 3000 B.C. to the first century B.C. Emphasis on architecture, painting, and sculpture as related to ancient history and culture.
Credit Hours: 3 Prerequisite Courses:
ARH 201 or ARH 202 or ARH 204 or consent of instructor.
Course Repeatability: Course may not be repeated.

ARH 302 - Ancient Roman Art

Course Description:
A study of the art of Etruria and Rome from the sixth century B.C. to 350 A.D. Emphasis on architecture, painting, and sculpture as related to ancient history and culture.
Credit Hours: 3 Prerequisite Courses:
ARH 201 or ARH 202 or ARH 204 or consent of instructor.
Course Repeatability: Course may not be repeated.

ARH 303 - Medieval Art

Course Description:
Study of European art from Early Christian times through the Gothic period in Europe. Emphasis on architecture, painting, sculpture, and graphics as related to medieval history and culture.
Credit Hours: 3 Prerequisite Courses:
ARH 201 or ARH 202 or ARH 204
Additional Restrictions/Requirements:
Consent of instructor can be given in place of prerequisites.
Course Repeatability: Course may not be repeated.

ARH 304 - Northern Renaissance Art

Course Description:

Study of the art in Northern Europe, exclusive of Italy, from 1200 to 1600 A.D. Emphasis on architecture, painting, sculpture, and graphics as related to the history and culture of the period.

Credit Hours: 3 Prerequisite Courses:

ARH 201 or ARH 202 or ARH 204

Additional Restrictions/Requirements:

Consent of instructor can be given in place of prerequisites.

Course Repeatability: Course may not be repeated.

ARH 305 - Italian Renaissance Art

Course Description:

Study of art in Italy from 1200 to 1600 A.D. Emphasis on architecture, painting, sculpture, and graphics as related to history and culture of the period.

Credit Hours: 3 Prerequisite Courses:

ARH 201 or ARH 202 or ARH 204

Additional Restrictions/Requirements:

Consent of instructor can be given in place of prerequisites.

University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

ARH 306 - Baroque & Rococo Art

Course Description:

Study of the aesthetic, social, and political dimensions of Baroque and Rococo art from its origins in Europe through its diffusion into the Americas, Africa, and Asia. Focus on visual and material culture characterized by the expanding trade networks, colonization, technological innovations, and religious reform of the global Baroque period.

Credit Hours: 3 Prerequisite Courses:

ARH 201 or ARH 202 or ARH 204

Additional Restrictions/Requirements:

Consent of instructor can be given in place of prerequisites.

University Studies: ["Approaches and Perspectives/Living in a Global Society"] Course

Repeatability: Course may not be repeated.

ARH 307 - Nineteenth Century European Art

Course Description:

Study of nineteenth century European art with an emphasis on architecture, painting, sculpture, and graphics as related to European history and culture of the period.

Credit Hours: 3 Prerequisite Courses:

ARH 201 or ARH 202 or ARH 204

Additional Restrictions/Requirements:

Consent of instructor can be given in place of prerequisites.

Course Repeatability: Course may not be repeated.

ARH 309 - Art of the United States

Course Description:

Study of art in the United States from first explorations to World War II, exclusive of that produced by indigenous peoples. Emphasis on architecture, painting, sculpture, and graphics as related to history and culture.

Credit Hours: 3 Prerequisite Courses:

ARH 201 or ARH 202 or ARH 204

Additional Restrictions/Requirements:

Consent of instructor can be given in place of prerequisites.

University Studies: ["Approaches and Perspectives/Living in Our Diverse Nation"] Course Repeatability: Course may not be repeated.

ARH 311 - Contemporary Art

Course Description:

Broad survey of contemporary art from 1960 to the present. Western (American, European) art will be considered alongside art from other regions of the world such as Asia, Africa, and the Middle East. Special emphasis will be placed on the relationship between contemporary art and the social contexts and changes that mark this period.

Credit Hours: 3 Prerequisite Courses:

ARH 201 or ARH 202 or ARH 204

Additional Restrictions/Requirements:

Consent of instructor can be given in place of prerequisites.
University Studies: ["Approaches and Perspectives/Living in a Global Society"] Course Repeatability: Course may not be repeated.

ARH 312 - Women in Art

Course Description:
Historical survey of women artists and their artistic contributions, as well as an examination of the religious, mythological, and secular images of women in art.
Credit Hours: 3 Prerequisite Courses:
ARH 201 or ARH 202 or ARH 204
Additional Restrictions/Requirements:
Consent of instructor can be given in place of prerequisites.
University Studies: ["Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated.

ARH 313 - Modern Architecture & Urbanism

Course Description:
Study of the built environment globally from the 19th century until today. Considers modernity in relation to architecture, urbanism, and the theories of these disciplines. A chronological and thematically organized examination of key movements, architects, projects, debates, and technologies.
Credit Hours: 3 Prerequisite Courses:
ARH 201 or ARH 202 or ARH 204.
Additional Restrictions/Requirements:
Consent of Instructor can be given in place of prerequisites.
Course Repeatability: Course may not be repeated.

ARH 314 - Art of the Cold War, 1945-1989

Course Description:
Examination of the major artistic developments of the mid-twentieth century during the Cold War period. Exploration of significant currents of art production, key players, movements, and institutions on a global scale, reflecting the worldwide implications of Cold War tensions.
Credit Hours: 3 Prerequisite Courses:
ARH 201 or ARH 202 or ARH 204

Additional Restrictions/Requirements:

Consent of Instructor can be given in place of prerequisites.

Course Repeatability: Course may not be repeated.

ARH 320 - African Art

Course Description:

Study of sub-Saharan African art and architecture from prehistoric times to the present. Special emphasis placed on form, content, function, and meaning, as well as the impact of African art on modern and African American art.

Credit Hours: 3 Prerequisite Courses:

ARH 201 or ARH 202 or ARH 204

Additional Restrictions/Requirements:

Consent of Instructor can be given in place of prerequisites.

Course Repeatability: Course may not be repeated.

ARH 321 - Art and Archaeology of the Ancient Near East

Course Description:

Study of art and archaeology as well as the history of Ancient Near East (Mesopotamia, Syria, Turkey, Iran) beginning with state formation in the 4th millennium BCE and ending with the Persian Empire in the 4th century BCE.

Credit Hours: 3 Prerequisite Courses:

ARH 201 or ARH 202 or ARH 204

Additional Restrictions/Requirements:

Consent of Instructor can be given in place of prerequisites.

Course Repeatability: Course may not be repeated.

ARH 325 - Islamic Art

Course Description:

Study of the art and architecture of the Islamic world from the 7th century to the 17th century. Emphasis on architecture, painting, and metal arts as related to the history and culture of Muslim peoples. Special attention is focused on intersection and exchange between Islam and the west.

Credit Hours: 3 Prerequisite Courses:

ARH 201 or ARH 202 or ARH 204

Additional Restrictions/Requirements:

Consent of Instructor can be given in place of prerequisites.
Course Repeatability: Course may not be repeated.

ARH 330 - Art of the Non-Western World

Course Description:
Study of the history of art and diverse cultures in Asia, the Islamic World, the Americas, Oceania, and Africa. Emphasis on objects of fine art and material culture placed within their cultural contexts.
Credit Hours: 3 Prerequisite Courses:
ARH 201 or ARH 202 or ARH 204
Additional Restrictions/Requirements:
Consent of Instructor can be given in place of prerequisites.
Course Repeatability: Course may not be repeated.

ARH 380 - Early Christian and Byzantine Art

Course Description:
Study of early Christian visual culture from the Late Roman through the Byzantine Empire, concluding with images of the 8th century iconoclastic controversy.
Credit Hours: 3 Prerequisite Courses:
ARH 201 or ARH 202 or ARH 204
Additional Restrictions/Requirements:
Consent of Instructor can be given in place of prerequisites.
Course Repeatability: Course may not be repeated.

ARH 381 - Classical Myth in Western Art

Course Description:
Exploration of how Greek mythological stories have been used in the Western artistic tradition, following key mythological figures who regularly appear in art from the tenth century BCE to today, addressing changes in tradition, narrative, and intent.
Credit Hours: 3 Prerequisite Courses:
ARH 201 or ARH 202 or ARH 204
Additional Restrictions/Requirements:
Consent of Instructor can be given in place of prerequisites.
Course Repeatability: Course may not be repeated.

ARH 384 - History of Graphic Design

Course Description:

Examines the evolution of graphic design from prehistory through postmodern design and the digital revolution. Explores the history of visual communication as developed by ancient cultures through the present day with an emphasis on commercial design, illustration, typographic development and technological invention.

Credit Hours: 3 Prerequisite Courses:

ARH 201 or ARH 202 or ARH 204

Additional Restrictions/Requirements:

Consent of Instructor can be given in place of prerequisites.

Course Repeatability: Course may not be repeated.

ARH 385 - History Of Printmaking

Course Description:

Survey of printed pictures from the 15th century to the present. Emphasis on the evolution of printmaking with specific attention to its practical applications, as well as its function as fine art.

Credit Hours: 3 Prerequisite Courses:

ARH 201 or ARH 202 or ARH 204

Additional Restrictions/Requirements:

Consent of Instructor can be given in place of prerequisites.

Course Repeatability: Course may not be repeated.

ARH 386 - History of Photography

Course Description:

Introduction to the history of photography from its invention in 1839 until the present day. Emphasis on the development of techniques, imagery, and aesthetics of photography as art and documentation.

Credit Hours: 3 Prerequisite Courses:

ARH 201 or ARH 202 or ARH 204

Additional Restrictions/Requirements:

Consent of Instructor can be given in place of prerequisites.

Course Repeatability: Course may not be repeated.

ARH 391 - Introduction to Art Museums

Course Description: Introduction to the history and theory of art museums and cultural institutions dedicated to the preservation and exhibition of art, visual and material culture. Critical examination of art museums through topics including curating, education, ethics, contemporary issues, and technology. Credit Hours: 3 Prerequisite Courses: ARH 201 or ARH 202 or ARH 204. Course Repeatability: Course may not be repeated.

ARH 401 - Special Topics in Ancient Art

Course Description:

Research and exploration of select themes in Ancient art. Examples of themes: Greek Sculpture, Roman Sculpture, Pompeii.

Credit Hours: 3 Prerequisite Courses:

ARH 201 and ARH 202 and ARH 204 , or consent of the instructor.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Repeat Limit: 1

ARH 402 - Special Topics in Medieval and Early Modern Art

Course Description:

Research and exploration into selected themes in Medieval and Early Modern art, such as the Gothic cathedral, pilgrimage arts, manuscripts and incunabula; Jan van Eyck or other specific artists.

Credit Hours: 3 Prerequisite Courses:

ARH 201 and ARH 202 and ARH 204 , or consent of instructor.

Course Repeatability: Course may not be repeated.

ARH 403 - Special Topics in the Art of the Modern World

Course Description:

Research and exploration into selected themes in Modern and Contemporary art from a global perspective, beginning with the Impressionists and including women and artists of color. Investigation and discussion of aesthetics in cultural, social, religious, and/or political contexts.

Credit Hours: 3 Prerequisite Courses:

ARH 201 and ARH 202 and ARH 204 , or consent of instructor.

University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

ARH 476 - Art History Capstone Seminar

Course Description:

Integration of principles, theories, and methods learned throughout the art history major. Students creatively analyze, synthesize, and evaluate learned knowledge in a research project with a focus that changes yearly. The course culminates in a research paper and art exhibition (directed by one faculty member), working with original art and artifacts presented in a venue on the UNCW campus, and concluding in an oral defense presentation.

Credit Hours: 1 To 3 Additional Restrictions/Requirements:

Senior standing.

University Studies: ["Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

ARH 491 - Directed Individual Study

Course Description:

Investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in the catalogue.

Credit Hours: 1 To 3 Additional Restrictions/Requirements:

Junior or senior standing, overall GPA of at least 2.00, and consent of instructor, department chair, and dean.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

ARH 495 - Seminar In Art History

Course Description:

Consideration of special subjects not covered in detail in regular course offerings. May be repeated under different subtitle for credit.

Credit Hours: 1 To 3 Prerequisite Courses:

ARH 201 and ARH 202

Additional Restrictions/Requirements:

Junior or senior standing.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

ARH 498 - Internship In Art History

Course Description:

Academic training and practical field experience within an agency or setting related to the student's principal area of interest. (A maximum of six credit hours may be applied toward the degree).

Credit Hours: 3 To 6 Additional Restrictions/Requirements:

Junior or senior standing, minimum 3.00 GPA in the major, and consent of chair.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

ARH 499 - Honors Work In Art History

Course Description:

Independent study for honors students.

Credit Hours: 2 To 3 Additional Restrictions/Requirements:

Junior or senior standing and eligibility for Honors Program.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

ART 101 - Two-Dimensional Design

Course Description:

Study of the principles of two-dimensional design and introduction to color theory.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

ART 102 - Three Dimensional Design

Course Description:

Introduction to concepts of three-dimensional design. Focus on the elements, principles, and basic construction of three dimensional form.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

ART 105 - Contemporary Art Practices

Course Description:

Explores the fundamental concepts, materials, and methods of visual art through a variety of 2D and 3D media. An emphasis on process, with an exploration of social

media. Students will keep a journal of their progress.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive & Literary Perspectives"] Course Repeatability: Course may not be repeated

ART 111 - Drawing Fundamentals

Course Description:
Fundamentals of drawing; investigation of processes and visual concepts with emphasis on charcoal.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

ART 203 - Color Theory

Course Description:
Introduction to color theory. Focus on the use of hue, value, and saturation for visual problem solving and the development of a personal aesthetic.
Credit Hours: 3 Prerequisite Courses:
ART 101 .
Course Repeatability: Course may not be repeated.

ART 211 - Beginning Life Drawing

Course Description:
Drawing from the model: structure, geometric form, and composition using various media: pencil, charcoal, India ink, etc.
Credit Hours: 3 Prerequisite Courses:
ART 111
Additional Restrictions/Requirements:
Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

ART 220 - 3-D Computer Graphics Tools and Literacy

Course Description:
Project-based approach to learning fundamental principles of 3D computer graphics using high-level software tools. Modeling of objects, geometrical transformations, surface algorithms, lighting and shading, alternative rendering techniques, and providing background skills necessary to create animated movies.
Credit Hours: 3 Prerequisite Courses:

Prerequisite: CSC 112 or CSC 131 . Prerequisite or corequisite: ART 260 or ART 282 .
Additional Restrictions/Requirements:

Prerequisite courses or consent of instructor.

Crosslisting:

CSC 220 , FST 220

Course Repeatability: Course may not be repeated.

ART 221 - Beginning Ceramics

Course Description:

Ceramic art-making with emphasis on manipulating the material with hand-building techniques. Includes introduction to ceramic art history and technical issues including glaze application and firing practice.

Credit Hours: 3 Prerequisite Courses:

ART 102

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated.

ART 232 - Monotype: Printmaking for Painters

Course Description:

Exploration of the history and techniques of the monotype printmaking medium. Dark-ground, light-ground, and water-based processes printed by hand and by etching press.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

ART 233 - Beginning Intaglio & Relief

Course Description:

Survey of intaglio and relief printmaking history and techniques. Introduction to relief processes on blocks and intaglio processes on plates. Woodcut, linocut, monotype, dry point, line etching, and soft ground etching.

Credit Hours: 3 Prerequisite Courses:

ART 101

Course Repeatability: Course may not be repeated.

ART 235 - Beginning Serigraphy

Course Description:

Introduction to screen printing techniques and history. Blockout, resist, reduction and lacquer film.

Credit Hours: 3 Prerequisite Courses:

ART 101 or ART 242

Course Repeatability: Course may not be repeated.

ART 237 - Beginning Lithography

Course Description:

Introduction to the history, chemistry, and technique of stone lithography. Crayon drawing, tusche wash, rubbing crayon, and maniere noire.

Credit Hours: 3 Prerequisite Courses:

ART 233 or ART 235

Course Repeatability: Course may not be repeated.

ART 242 - Beginning Painting

Course Description:

Fundamentals of painting, investigating the medium of oil paint with emphasis on perceptual and conceptual processes.

Credit Hours: 3 Prerequisite Courses:

ART 101 and ART 111

Additional Restrictions/Requirements:

Prerequisite courses or consent of instructor.

Course Repeatability: Course may not be repeated.

ART 251 - Beginning Sculpture

Course Description:

Survey of sculpture concepts and processes. Study of object based sculpture, functional sculpture, and installation. Introduction to metal fabrication, wood fabrication, and casting.

Credit Hours: 3 Prerequisite Courses:

ART 102

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated.

ART 260 - Introduction To Graphic Design

Course Description:

Basic principles of graphic design and communication. Projects focus on the graphic expression of form through two-dimensional composition to communicate information, concepts, and emotions, and combine development of computer software skills with off-line creative processes and production methods.

Credit Hours: 3 Prerequisite Courses:

ART 101

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated.

ART 271 - Introduction to Time-Based Media

Course Description: Exploration of time-based media concepts and traditions across art and design. Introduction to 2D animation using a combination of handmade and digital techniques. Credit Hours: 3 Prerequisite Courses: ART 101 University Studies: "" Course Repeatability: Course may not be repeated. Additional Course Fees: "" Equivalent Courses: ""

ART 273 - Digital Illustration

Course Description:

Introduction to the practice and theory of digital art & illustration. Exploration of the core concepts and techniques in digital image making, photo manipulation, and content production using industry-standard software applications.

Credit Hours: 3 Prerequisite Courses:

ART 101 and ART 111.

Course Repeatability: Course may not be repeated.

ART 280 - Introduction to Darkroom Photography

Course Description:

Basic darkroom processes for developing and printing black and white photographic film. Introduction to aesthetics of fine art photography, including visual problem solving, critical thinking, and development of a personal imagery.

Credit Hours: 3 Prerequisite Courses:

ART 101 or ART 105 .

Additional Restrictions/Requirements:

Prerequisite courses or consent of instructor.

Course Repeatability: Course may not be repeated

ART 282 - Introduction to Digital Photography

Course Description:

Introduction to digital photography concepts and methods. Considers the design, processing, critiquing, and display of images created with digital cameras and printed with digital media.

Credit Hours: 3 Prerequisite Courses:

ART 101 or ART 105 or consent of instructor.

Course Repeatability: Course may not be repeated.

ART 311 - Intermediate Life Drawing

Course Description:

Drawing from the model: structure, composition, and development of personal expression.

Credit Hours: 3 Prerequisite Courses:

ART 211

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated.

ART 313 - Intermediate Drawing

Course Description:

Builds on basic skills with more difficult and sustained challenges. Traditional and contemporary materials and approaches explored. Drawing considered as a final medium of expression, as well as a tool to develop ideas for other forms of art.

Credit Hours: 3 Prerequisite Courses:

ART 111

Course Repeatability: Course may not be repeated.

ART 314 - The Art of Pastel

Course Description:

Historical survey and technical exploration of the soft pastel medium. Aesthetic

issues; pigment properties; application and preservation methods.
Credit Hours: 3 Prerequisite Courses:
ART 211 or ART 242
Course Repeatability: Course may not be repeated.

ART 315 - Collage

Course Description:
Investigation of the various collage materials and processes. Focus on assembling materials cohesively to convey artistic intent. Students study the historical evolution of collage and the collage work of contemporary artists.
Credit Hours: 3 Prerequisite Courses:
ART 101 or consent of instructor.
Course Repeatability: Course may not be repeated.

ART 316 - Special Topics in Drawing

Course Description:
Selected topics in drawing not covered in regular course offerings. Course is repeatable for nine hours under different topics.
Credit Hours: 3 Prerequisite Courses:
ART 111 and ART 313 , or consent of instructor.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 9 Repeat Limit: 2

ART 320 - Computer Animation

Course Description:
Basic principles of animation using 3-D computer-generated animation and basic processes for animating synthetic objects through structured exercises. Principles of designing and producing 3-D computer-generated animation through the creation of advanced motion studies. Projects focus on developing higher-level skills in model building, animation and color and lighting.
Credit Hours: 3 Prerequisite Courses:
ART 220
Additional Restrictions/Requirements:
Prerequisite course or consent of instructor.
Crosslisting:
CSC 320 , FST 320

Course Repeatability: Course may not be repeated.

ART 321 - Intermediate Ceramics

Course Description:

Focus on use of potter's wheel. Ceramic art history, technical issues (glaze application, continued study of firing practice) and introduction to critical writings in discipline.

Credit Hours: 3 Prerequisite Courses:

ART 221

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated.

ART 322 - Intermediate Ceramics

Course Description:

Focus on use of potter's wheel. Ceramic art history, technical issues (glaze application, continued study of firing practice) and introduction to critical writings in discipline.

Credit Hours: 3 Prerequisite Courses:

ART 221

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated.

ART 323 - Ceramic Sculpture

Course Description:

Investigation of ceramic material outside of the bounds of utility, focusing on sculptural issues of form, scale, mass and color.

Credit Hours: 3 Prerequisite Courses:

ART 221

Course Repeatability: Course may not be repeated.

ART 324 - Special Topics in Ceramics

Course Description:

Selected topics in ceramics not covered in regular course offerings. Course

is repeatable for nine hours under different topics.
Credit Hours: 3 Prerequisite Courses:
ART 221
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 9 Repeat Limit: 2

ART 333 - Intermediate Intaglio & Relief

Course Description:
Further exploration of relief and intaglio processes. Color reduction woodcut, wood engraving, large-scale monotype, copper engraving, mezzotint, and multi-plate color intaglio.
Credit Hours: 3 Prerequisite Courses:
ART 233
Course Repeatability: Course may not be repeated.

ART 335 - Intermediate Serigraphy

Course Description:
Further exploration of screen-printing processes. Photo-serigraphy, photomontage, and large-scale prints.
Credit Hours: 3 Prerequisite Courses:
ART 235
Course Repeatability: Course may not be repeated.

ART 336 - Special Topics in Printmaking

Course Description:
Selected topics in printmaking not covered in regular course offerings. Course is repeatable for nine hours under different topics.
Credit Hours: 3 Prerequisite Courses:
ART 233 or ART 235 or ART 237 or consent of instructor.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 9 Repeat Limit: 2

ART 337 - Intermediate Lithography

Course Description:
Further exploration of hand lithographic processes. Multi-stone color, aluminum plate, acid tint, and copier toner.
Credit Hours: 3 Prerequisite Courses:

ART 237
Course Repeatability: Course may not be repeated.

ART 340 - Painting and Drawing: Materials and Methods

Course Description:
Foundations of professional painting and drawing practices. Topics include safety, toxicity, power tools, preparation process for both canvas and wood panels, sizes and grounds, oil mediums, and acrylic dispersions.
Credit Hours: 3 Prerequisite Courses:
ART 111 and ART 242 .
Course Repeatability: Course may not be repeated.

ART 341 - Intermediate Painting

Course Description:
Further investigation of materials and visual concepts, with attention to expanding the fundamentals of painting.
Credit Hours: 3 Prerequisite Courses:
ART 242
Additional Restrictions/Requirements:
Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

ART 342 - Intermediate Painting

Course Description:
Further investigation of materials and visual concepts, with attention to expanding the fundamentals of painting.
Credit Hours: 3 Prerequisite Courses:
ART 242
Additional Restrictions/Requirements:
Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

ART 343 - Figure Painting

Course Description:
Oil and acrylic painting from the model. Investigates representational and abstract

interpretations of the figure. Emphasizes spatial strategies, color, and paint application techniques.
Credit Hours: 3 Prerequisite Courses:
ART 211 or ART 242
Additional Restrictions/Requirements:
Prerequisite courses or consent of instructor.
Course Repeatability: Course may not be repeated.

ART 346 - Special Topics in Painting

Course Description:
Selected topics in painting not covered in detail in regular course offerings. Course is repeatable for nine hours under different topics.
Credit Hours: 3 Prerequisite Courses:
ART 203 and ART 242 , or consent of instructor.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 9 Repeat Limit: 2

ART 351 - Intermediate Sculpture

Course Description:
Investigation of fabrication, carving and casting as sculptural process. Techniques may include metal cutting, welding, forging, wood construction, carving and casting.
Credit Hours: 3 Prerequisite Courses:
ART 251 or consent of instructor.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Repeat Limit: 1

ART 353 - Special Topics in Sculpture

Course Description:
Selected topics in sculpture not covered in regular course offerings. Course is repeatable for nine hours under different topics.
Credit Hours: 3 Prerequisite Courses:
ART 251 or consent of instructor.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 9 Repeat Limit: 2

ART 360 - Intermediate Graphic Design

Course Description:
Further investigation into graphic design creative processes and study of graphic

communication through lectures, projects, and readings. Continuing development of software proficiency, critical and analytical skills. Emphasis on both practical and speculative approaches to design problems and their synthesis into formal solutions.
Credit Hours: 3 Prerequisite Courses:

ART 260

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated.

ART 365 - Typography

Course Description:

Overview of the conceptual, formal, and technical issues of typography. The history of typography, the anatomy of letter forms, classifications of type, visual syntax, legibility, and technology. Exercises and projects emphasize production of visual communication for print using typography as the dominant element.
Credit Hours: 3 Prerequisite Courses:

ART 260

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated.

ART 366 - Special Topics in Graphic Design

Course Description:

Selected topics in graphic design not covered in regular course offerings. Course is repeatable for nine hours under different topics.
Credit Hours: 3 Prerequisite Courses:

ART 260 or consent of instructor.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 9 Repeat Limit: 2

ART 369 - Special Topics in Digital Media

Course Description:

Selected topics in digital media not covered in regular course offerings. Course is repeatable for nine hours under different topics.
Credit Hours: 3 Prerequisite Courses:

ART 101 or consent of instructor.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 9 Repeat Limit: 2

ART 370 - 3D Printing and Laser Cutting

Course Description:

Exploration of 3D printing and laser cutting for art and design. Study of digital art culture including contemporary artistic, political, and ethical issues in the field.

Credit Hours: 3 Prerequisite Courses:

ART 101 or consent of instructor.

Course Repeatability: Course may not be repeated.

ART 371 - Video Art & Projection Mapping

Course Description:

An exploration of time-based media, video art and projected light, with instruction on the history and use of analog and digital methods, including a variety of video projection mapping software to create immersive environments or to add moving textures and images to sculpture, installation, performance, and architecture.

Credit Hours: 3 Prerequisite Courses:

ART 101 or consent of instructor.

Course Repeatability: Course may not be repeated.

ART 372 - Digital Printmaking

Course Description:

This course will focus on the creation of digitally processed and handprinted images. Projects will explore the development of visual and narrative ideas using digital tools, and hand-printing the digital images using traditional printmaking methods.

Credit Hours: 3 Prerequisite Courses:

ART 101 .

Course Repeatability: Course may not be repeated.

ART 380 - Intermediate Darkroom Photography

Course Description:

Further exploration of darkroom processes for developing and printing black and white photographic films. Larger images, addictional formats, independent creative projects, and further development of personal imagery.

Credit Hours: 3 Prerequisite Courses:

ART 280

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated.

ART 382 - Intermediate Digital Photography

Course Description:

Further exploration of digital fine art photography concepts and methods. Further development of personal imagery through independent creative projects, discussions, and critiques of images created with digital cameras and printed with digital media.

Credit Hours: 3 Prerequisite Courses:

ART 282

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated.

ART 383 - Special Topics in Photography

Course Description:

Selected topics in photography not covered in regular course offerings. Course is repeatable for nine hours under different topics.

Credit Hours: 3 Prerequisite Courses:

ART 280 or ART 282 or consent of instructor.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 9 Repeat Limit: 2

ART 411 - Advanced Life Drawing

Course Description:

Drawing from the model: drawing as a finished product, exploration of drawing techniques.

Credit Hours: 3 Prerequisite Courses:

ART 311 or consent of instructor.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Repeat Limit: 1

ART 421 - Advanced Ceramics

Course Description:

In-depth investigation of form chosen by student. Study of glaze technology, firing practice and clay-body composition. Student must fill and fire their own kiln.

Credit Hours: 3 Prerequisite Courses:

ART 321 or ART 322 or consent of instructor.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Repeat Limit: 1

ART 425 - Clay and Glaze Technology

Course Description:

Theory and practice of clay and glaze formulation and effects.

Credit Hours: 3 Prerequisite Courses:

ART 321 or ART 322

Additional Restrictions/Requirements:

Prerequisite courses, Art Studio majors only, or consent of instructor.

Course Repeatability: Course may not be repeated.

ART 433 - Advanced Intaglio & Relief

Course Description:

Advanced exploration of relief and intaglio processes and issues. Vitreography, photo-etching, large-scale prints, image cycles.

Credit Hours: 3 Prerequisite Courses:

ART 333

Course Repeatability: Course may not be repeated.

ART 435 - Advanced Serigraphy

Course Description:

Advanced exploration of screen-printing processes and issues. Monoprints, mixed media, three-dimensional prints, large-scale prints, and image cycles.

Credit Hours: 3 Prerequisite Courses:

ART 335

Course Repeatability: Course may not be repeated.

ART 437 - Advanced Lithography

Course Description:

Advanced exploration of lithographic processes and issues. Waterless lithography,

Xerox transfer, mixed-media prints, monoprints, large-scale aluminum plate prints, and image cycles.
Credit Hours: 3 Prerequisite Courses:
ART 337
Course Repeatability: Course may not be repeated.

ART 441 - Advanced Painting

Course Description:
Elaboration of conceptual, perceptual, and expressive painting modes with emphasis on individual development.
Credit Hours: 3 Prerequisite Courses:
ART 342 or consent of instructor.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Repeat Limit: 1

ART 451 - Advanced Sculpture

Course Description:
Exploration of sculpture processes. Focus on development of skills associated with a particular technique or medium and its conceptual applications. Practice in creating application proposals.
Credit Hours: 3 Prerequisite Courses:
ART 351 or consent of instructor.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Repeat Limit: 1

ART 475 - Professional Practices

Course Description:
Preparation for graduate school, business practices, portfolio presentation, grant applications, publicity, and professional studio practice.
Credit Hours: 3 Additional Restrictions/Requirements:
Junior or senior standing.
Course Repeatability: Course may not be repeated.

ART 476 - Senior Exhibit

Course Description:
Topics include generating a coherent body of work; presentation solutions (matting,

framing, pedestals, labels); writing an artist's statement and resume; curatorial decisions; promotion and installation of exhibition; discipline appropriate writing.
Credit Hours: 3 Additional Restrictions/Requirements:
Senior standing, and course must be completed in the semester of graduation.
University Studies: ["Building Competencies/Writing Intensive", "Building Competencies/Information Literacy", "Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated.

ART 483 - Advanced Photography

Course Description:
Advanced level photography course that builds upon photographic fundamentals in darkroom, digital, and alternative process photography. The curriculum focuses on furthering a personal aesthetic through a cohesive body of work. This course approaches photography as fine art while emphasizing technique, visual problem solving, and critical thinking.
Credit Hours: 3 Prerequisite Courses:
ART 380 or ART 382 , or permission of instructor.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Repeat Limit: 1

ART 491 - Directed Individual Study

Course Description:
Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.
Credit Hours: 1 To 3 Additional Restrictions/Requirements:
Junior or senior standing, overall GPA of at least 2.00, and consent of instructor, department chair and dean.
University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

ART 495 - Seminar In Art

Course Description:
Consideration of special subjects not covered in detail in regular course offerings. More than one topic may be taken for credit.
Credit Hours: 1 To 3 Additional Restrictions/Requirements:

Junior or senior standing.
Course Repeatability: Course may not be repeated.

ART 496 - Digital Arts Capstone

Course Description:
Final portfolio project integrating the principles, skills, and techniques explored in the digital arts major. Research project is determined by the student and developed in ongoing consultation with peers and digital arts faculty. Course culminates with a presentation of the project on the UNCW campus and project documentation.
Credit Hours: 3 Prerequisite Courses:
ART 211, CSC 331 with a minimum grade of "C", and CSC 368
Additional Restrictions/Requirements:
Senior standing.
University Studies: ["Building Competencies/Writing Intensive", "Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated.

ART 498 - Internship In Art

Course Description:
Academic training and practical field experience through a program of work and study within an agency and/or setting related to the student's principal area of interest. Faculty supervision and evaluation of all study and on-site activity. (A maximum of six credit hours may be applied toward the degree).
Credit Hours: 3 To 6 Additional Restrictions/Requirements:
Junior or senior standing, minimum 3.00 GPA in the major and consent of chair.
University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

ART 499 - Honors Work In Art

Course Description:
Independent study for honors students.
Credit Hours: 2 To 3 Additional Restrictions/Requirements:
Junior or senior standing and eligibility for Honors Program.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

DART 101 - Introduction to Digital Arts

Course Description:
Introduction to the Digital Arts major for students considering or having recently declared a B.A. in Digital Arts. Course covers curricular goals and options, DA equipment, research, and artistic work, and a gentle introduction to art & design, programming, math, time-based media, portfolio development, and field specific career preparation.
Credit Hours: 1 Course Repeatability: Course may not be repeated.

DART 475 - Special Topics in Digital Arts

Course Description:
Topics of current interest in Digital Arts not covered in existing courses. May be repeated under a different subtitle.
Credit Hours: 1 Prerequisite Courses:
CSC 231 and ART/CSC/FST 220
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 9 Repeat Limit: 2
Major Restriction: Digital Arts major, Computer Science major with Digital Arts concentration Minor Restriction: Digital Arts minor

DART 491 - Directed Individual Study

Course Description:
Investigation under faculty supervision on a Digital Arts-related project beyond what is offered in existing courses. Written experience report and oral presentation required. For further information, consult the Directed Individual Studies section in this catalogue.
Credit Hours: 1 Prerequisite Courses:
CSC 231 and ART/CSC/FST 220
Additional Restrictions/Requirements:
Junior or senior standing, overall GPA of at least 2.50 and a GPA in CSC courses of at least 2.80, and consent of instructor, program coordinator, department chair, and dean.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 3 Repeat Limit: 2
Major Restriction: Digital Arts major, Computer Science major with Digital Arts concentration Minor Restriction: Digital Arts minor

DART 496 - Digital Arts Capstone

Course Description:

Final portfolio project integrating the principles, skills, and techniques explored in the digital arts major. Research project is determined by the student and developed in ongoing consultation with peers and digital arts faculty. Course culminates with a presentation of the project on the UNCW campus and project documentation.

Credit Hours: 3 Prerequisite Courses:

ART 211, CSC 331 with a minimum grade of "C", and CSC 368

Additional Restrictions/Requirements:

Senior standing.

University Studies: ["Building Competencies/Writing Intensive", "Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Major Restriction: Digital Arts major

DART 498 - Internship in Digital Arts

Course Description:

Academic training and practical experience through Digital Arts-related work in a private company or public agency. Faculty supervision and evaluation of all study and on-site activity. Written experience report and oral presentation required.

Credit Hours: 1 Prerequisite Courses:

CSC 231 and ART/CSC/FST 220

Additional Restrictions/Requirements:

Junior or senior standing, overall GPA of at least 2.50 and a GPA in DA major core courses of at least 2.80 and consent of program coordinator, chair, and dean.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 3 Repeat Limit: 2 Major Restriction: Digital Arts major, Computer Science major with Digital Arts concentration Minor Restriction: Digital Arts minor

DART 499 - Honors Work in Digital Arts

Course Description:

Independent study for honors students.

Credit Hours: 2 Prerequisite Courses:

CSC 231 and ART/CSC/FST 220

Additional Restrictions/Requirements:

Eligible for departmental honors or member of Honors College.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Repeat Limit: 2 Major Restriction: Digital Arts major, Computer Science major with Digital Arts concentration Minor Restriction: Digital Arts minor

Department of Communication Studies

http://www.uncw.edu/com

The Department of Communication Studies offers a diverse undergraduate curriculum integrating application with theory, providing majors a degree program in which the philosophy, practice, criticism, and study of communication are emphasized and balanced. Majors are afforded the opportunity to customize their academic experience in preparation for both post-graduate education and professional careers across a wide spectrum of discipline specializations.

A student may declare pre-communication studies (PCOM) as the intended major after earning a minimum 24 semester credit hours and a grade of "B" or above in COM 105 . A PCOM major may declare communication studies (COM) as their major after earning a grade of "B" or above in COM 200 . A student may repeat or audit one foundations class, either COM 105 or COM 200 , one time in order to replace one grade lower than a "B" for admittance to the department. A final grade of "F" due to admitted or adjudicated academic dishonesty shall not be replaced if the course is repeated. Further, because it cannot be replaced, a failing grade in either COM 105 or COM 200 received due to admitted or adjudicated academic dishonesty shall be the grade considered for admission into the COM major and thus will disqualify a student from admission to the major. All UNCW continuing and transfer students are subject to this requirement at the time of application.

Communication Studies, B.A.

none

Integrated Marketing Communication (IMC) Certificate

Program Coordinator: Tammala Bulger

IMC is a specialized field of the communication discipline widely recognized by scholars and practitioners in the marketplace. The Integrated Marketing

Communication (IMC) Certificate provides foundational knowledge of IMC, a planned and strategic communication process that cultivates mutually beneficial relationships with audiences for the purpose of influencing behavior. IMC skills are advanced with courses in strategic writing, message and campaign design, and the professional practice of IMC. The Integrated Marketing Communication (IMC) Certificate is a separate credential that does not replace your major or minor. Any UNCW undergraduate may earn the certificate by completing 12 hours of coursework. Your transcript will list the certificate along with other degrees earned.

COM 101 - Public Speaking

Course Description:

Preparation and delivery of public presentations, with emphasis on creativity, reasoning, evidence, organization, and delivery. Course content will also be applied to analysis of speeches by self and others.

Credit Hours: 3 University Studies: ["Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

COM 104 - Concepts in Communication Studies

Course Description:

Introduction to communication concepts central to interpersonal relationships, organizations, mass media and other contexts of communication. Focus on concepts and skills that have a practical impact on the student's understanding and practice of communication. Designed specifically for students not intending to become communication studies majors.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Understanding Human Institutions and Behaviors"] Course Repeatability: Course may not be repeated.

COM 105 - Introduction to Communication Studies

Course Description:

Designed specifically for potential communication studies majors. Deeper overview of the discipline and our department. Emphasis on foundational concepts for practicing, describing, and evaluating communication; and on skills necessary to understand, evaluate, and apply research in the discipline as a communication specialist. Non majors see COM 104: Concepts in Communication Studies .

Credit Hours: 3 Course Repeatability: Course may not be repeated.

COM 116 - Performance of Literature

Course Description:

Analysis of poetry, prose, and ethnographic texts through the medium of oral performance. Emphasis is on literary selection, textual analysis, performance analysis and characterization, and other strategies and skills.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives", "Approaches and Perspectives/Living in Our Diverse Nation"] Course Repeatability: Course may not be repeated.

COM 160 - Engaging Contemporary Media

Course Description:

Exploration of the structures, systems, effects, conventions, and genres of contemporary media. Emphasis on improving media literacy to foster informed, critical, and discerning interaction with media.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Understanding Human Institutions and Behavior"] Course Repeatability: Course may not be repeated.

COM 200 - Research Methods in Communication Studies

Course Description:

Introduction to critical thinking and overview of research methods in communication studies. Students will develop a research mindset and learn how research is used to answer questions and support claims. Methods include secondary, quantitative, qualitative, textual, and critical research.

Credit Hours: 3 Prerequisite or Corequisite Courses:

COM 101

Prerequisite Courses:

COM 105 with a minimum grade of B.

University Studies: ["Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

COM 211 - Storytelling and Culture

Course Description:

Exploration of stories as the production and communication of culture. Emphasis on

storytelling as performance with attention to personal stories, stories of others, shared cultural stories including fairy tales, myths, and folktales.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in Our Diverse Nation", "Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated.

COM 212 - Storytelling in the Community

Course Description:
Storytelling in real-life contexts with an emphasis on performing for elementary school children; theoretical foundations of performance strategies for participatory storytelling; audience-adaptation storytelling techniques for literary and personal stories. (A maximum of three hours may be used toward major degree requirements.)
Credit Hours: 3 Additional Restrictions/Requirements:
Consent of instructor.
Course Repeatability: Course may not be repeated.

COM 219 - Voice and Diction

Course Description:
Principles and use of the voice. Exercises in local variety, articulation, and pronunciation.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

COM 220 - Interpersonal Communication

Course Description:
Introduction to the theory and practice of relational communication in face-to-face and social media situations and contexts. Focus is on improving interpersonal communication skills through understanding verbal, nonverbal, and relational processes.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Understanding Human Institutions and Behaviors"] Course Repeatability: Course may not be repeated.

COM 223 - Mediation and Conflict Management

Course Description:
Introduction to the principles of conflict management and alternative dispute

resolution with an emphasis on mediation and conflict theory. Other topics include negotiation, arbitration and litigation.
Credit Hours: 3 Prerequisite or Corequisite Courses:
COM 105 .
Course Repeatability: Course may not be repeated.

COM 226 - Health Communication

Course Description:
Application of communication theory and principles to context of health communication, including intrapersonal and interpersonal health across the lifespan, and how politics, institutions, and culture inform and constrain health communication choices.
Credit Hours: 3 Prerequisite Courses:
COM 105 with a minimum grade of B
Additional Restrictions/Requirements:
Restricted to PCOM and COM majors.
Course Repeatability: Course may not be repeated.

COM 231 - Essentials of Integrated Marketing Communication

Course Description:
Exploration of advertising, public relations, promotions, events and experiential marketing, word-of-mouth marketing, and social media campaigns through an IMC framework. The IMC approach considers audience, research, messages, ethics, and the current cultural environment to provide the foundations of sound practice. Students also explore careers in this area and how those careers shape our world.
Credit Hours: 3 Course Repeatability: Course may not be repeated. Major Restriction: IMC Certificate

COM 232 - Strategic Writing in Integrated Marketing Communication

Course Description:
Writing in the field of integrated marketing communication, including public relations writing, advertising planning and copywriting, social media writing, and other forms of strategic communication designed for markets, target audiences, and publics. Students research and produce multiple written artifacts, learn to edit and proofread,

and package these communication artifacts professionally.
Credit Hours: 3 Prerequisite or Corequisite Courses:
ENG 103 or ENG 201 or permission of instructor.
Additional Restrictions/Requirements:
Or permission of instructor.
University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated. Major Restriction: PCOM or COM Majors or Integrated Marketing Communication (IMC) Certificate

COM 246 - Communication with Deaf and Hearing-Impaired Persons

Course Description:
Exploration of communication challenges faced by deaf and hearing-impaired populations and those who seek to communicate with them. Introduction to (ASL) sign language.
Credit Hours: 3 Additional Restrictions/Requirements:
Sophomore, junior, or senior standing.
Course Repeatability: Course may not be repeated.

COM 250 - Introduction to Political Communication

Course Description:
Examination of political communication theory and research. Content includes approaches to and history of political communication, roles of the media and public opinion, and the analysis of political messages. Application of course content to past and current political events.
Credit Hours: 3 Prerequisite Courses:
COM 105 or PLS 205
Additional Restrictions/Requirements:
Prerequisite courses or consent of instructor.
Course Repeatability: Course may not be repeated.

COM 256 - Persuasive Communication and Social Influence

Course Description:
Explores the power of social and symbolic influence as it relates to perceptions, values, and actions of others in both negative and positive ways.

Credit Hours: 3 Prerequisite Courses:

COM 101 or COM 105 or PLS 205

Additional Restrictions/Requirements:

Prerequisite courses or consent of instructor.

Course Repeatability: Course may not be repeated.

COM 257 - Arguing Well: Exploring Argumentation and Debate

Course Description:

Explores principles, practices and ethical dimensions of argumentation and their application to debates and decision-making. Students will engage in research and critical thinking in order to construct cases and participate in debates about issues of interest.

Credit Hours: 3 University Studies: ["Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated.

COM 258 - Rhetoric of Popular Culture

Course Description:

Focus is on understanding various persuasive influences inherent in popular culture. Includes analysis of persuasive dimensions of advertising, music, art, movies, theatre, social movements, politics, literature, and sports.

Credit Hours: 3 Prerequisite Courses:

COM 105 with a minimum grade of B

Additional Restrictions/Requirements:

Restricted to PCOM and COM majors.

Course Repeatability: Course may not be repeated.

COM 265 - Communication Media

Course Description:

Examination of the development, functions, theoretical foundations, and effects of media on individuals, society, and culture.

Credit Hours: 3 Prerequisite Courses:

COM 160 or permission of instructor.

Course Repeatability: Course may not be repeated.

COM 267 - Introduction to New and Converging Media

Course Description:

Explores the practical and theoretical considerations of central issues in new and converging media. Emphasis on the impact of new media on the economy, culture, journalism, politics, citizenship, relationship practices, globalization, and everyday life.

Credit Hours: 3 Prerequisite Courses:

COM 105 or COM 160

Additional Restrictions/Requirements:

Prerequisite courses or consent of instructor.

Course Repeatability: Course may not be repeated.

COM 268 - Principles of Multimedia Journalism

Course Description:

Concepts, principles and basic skills in writing and producing news content for multiple media platforms; including radio, television, and internet-based outlets. Emphasis on news gathering, story construction and effective storytelling, proper formatting and scriptwriting techniques, and responding effectively to news problems and potentials.

Credit Hours: 3 Prerequisite Courses:

ENG 103 or ENG 201 or permission of instructor.

Additional Restrictions/Requirements:

Restricted to PCOM and COM majors, or journalism minors.

Course Repeatability: Course may not be repeated.

COM 271 - Communication, Collaboration and Effective Groups

Course Description:

Theory and practice of collaborative communication. Emphasis on learning to work effectively in face-to-face and virtual groups. Focus on managing social and task dimensions of collaborative decision-making for problem solving and creative projects.

Credit Hours: 3 Additional Restrictions/Requirements:

Restricted to sophomore or higher.

Course Repeatability: Course may not be repeated.

COM 272 - Introduction to Organizational Communication

Course Description:

Study of organizations and virtual organizations as systems created and sustained by communication processes. Topics include organizational analysis and development, diversity, leadership, culture, HR and issues relevant to the global and international marketplace.

Credit Hours: 3 Additional Restrictions/Requirements:

PCOM or COM or permission of instructor.

Course Repeatability: Course may not be repeated. Major Restriction: PCOM or COM

COM 280 - Introduction to Digital Media Production

Course Description:

Introduction to the process, technologies, and aesthetics of digital video and audio production. Topics include field and studio TV production, editing, lighting, sound acquisition, project planning and writing, emerging technologies, and career preparation.

Credit Hours: 3 Prerequisite Courses:

Prerequisite or Corequisite: COM 105 , or consent of instructor.

Additional Restrictions/Requirements:

Sophomore standing or higher.

Course Repeatability: Course may not be repeated.

COM 283 - Digital Audio I

Course Description:

Audio production experience including project analysis, planning, script writing, recording, and editing. Emphasis on audio acquisition and digital editing. Students complete a variety of short productions working individually and in small teams.

Credit Hours: 3 Additional Restrictions/Requirements:

Restricted to PCOM and COM majors.

Course Repeatability: Course may not be repeated.

COM 284 - Introduction to Digital Media Editing

Course Description:

Introduction to digital editing technologies, processes, and techniques, for video and audio using relevant digital creativity and editing software applications. Students will independently work through appropriate training and complete additional

independent editing projects. Intended for novice editors. .
Credit Hours: 3 Additional Restrictions/Requirements:
PCOM and COM Majors or permission of instructor
Course Repeatability: Course may not be repeated. Major Restriction: PCOM and COM Majors

COM 286 - Digital Multimedia I

Course Description:
Essentials of digital multimedia such as graphics, illustrations, and design using various graphic software packages. Hands-on learning approach while using related computer applications.
Credit Hours: 3 Prerequisite Courses:
CSC 105
Additional Restrictions/Requirements:
Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

COM 288 - 3D Computer Animation I

Course Description:
Technical and artistic dimensions of 3D animation using high-end computer applications. Hands-on learning in 3D modeling, surfacing, rendering, as well as cameras, lights and motion.
Credit Hours: 3 Prerequisite Courses:
CSC 105
Additional Restrictions/Requirements:
Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

COM 295 - Introductory Seminar in Communication Studies

Course Description:
Special topics in communication that are not explored in other courses. Additional restrictions based on topic.
Credit Hours: 1 To 3 Additional Restrictions/Requirements:
PCOM and COM Majors or permission of instructor.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 9 Repeat Limit: 2
Major Restriction: PCOM and COM Majors

COM 300 - Applied Quantitative Research Methods

Course Description:

Application of fundamental quantitative research approaches to topics of interest to the students. Emphasis on theory-based research as a means of answering questions and solving problems.

Credit Hours: 3 University Studies: ["Explorations Beyond the Classroom", "Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated. Major Restriction: COM

COM 301 - Rhetorical Theory

Course Description:

Introduction to classical and contemporary theories of rhetoric from Plato to the present. Emphasis on applying such theories for greater description, analysis, and evaluation of rhetorical process and outcomes.

Credit Hours: 3 Prerequisite Courses:

COM 200 with a minimum grade of B

Additional Restrictions/Requirements:

Restricted to COM majors.

Course Repeatability: Course may not be repeated.

COM 302 - Applied Qualitative Research

Course Description:

Focus on applying qualitative methods in communication studies to real-life contexts. Student select topics to explore through the various methods and techniques presented in class. Students present findings in a variety of formats that are easily adaptable to inclusion in portfolios or future goals.

Credit Hours: 3 Additional Restrictions/Requirements:

COM Majors or permission of instructor.

University Studies: ["Building Competencies/Writing Intensive", "Explorations Beyond the Classroom", "Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated. Major Restriction: COM Majors

COM 305 - Communication Theory

Course Description:

Theoretical perspectives concerning how and why people communicate. Emphasis on applying theories for greater description, analysis, and evaluation of the human communication processes and outcomes.
Credit Hours: 3 Prerequisite Courses:
COM 200 with a minimum grade of B
Additional Restrictions/Requirements:
Restricted to COM majors.
University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

COM 310 - Performance of Literature II

Course Description:
Analysis of literature through advanced performance theory and skills; ways in which the expressive capacities of the performer's body, voice, and imagination are engaged with the aesthetic experience of contemporary literature; emphasis on contemporary performance theory, creative dramatics, character analysis, and biography. A one-person show is required.
Credit Hours: 3 Prerequisite Courses:
COM 116 or THR 230
Course Repeatability: Course may not be repeated.

COM 313 - Storytelling and Community Engagement

Course Description:
Storytelling for audiences outside the university classroom with emphasis on performing for young children. Apply performance theories, cultural analysis, and adaptations to performer/audience dynamics across contexts. (A maximum of three hours may be used toward major degree requirements.)
Credit Hours: 3 Prerequisite Courses:
COM 116 or COM 212 , and permission of instructor.
Course Repeatability: Course may be repeated.

COM 319 - On-Camera Performance

Course Description:
Theoretical foundations and applied techniques related to on-camera presentation for broadcast journalists, television spokespersons, and camera performers.

Includes critiquing the work of industry professionals and composing original journalistic texts. Extemporaneous as well as memorized camera performances.
Credit Hours: 3 Prerequisite Courses:
COM 101 , or COM 116 , or COM 268 , or permission of instructor.
Additional Restrictions/Requirements:
COM Majors or permission of instructor.
Course Repeatability: Course may not be repeated. Major Restriction: COM Majors

COM 320 - Interpersonal Communication II

Course Description:
In-depth analyses and discussions of interpersonal communication theories and research as they apply to topics such as developing closeness with others, communication processes in established relationships, and serious challenges in relationships. Theory application and research designs will be critiqued.
Credit Hours: 3 Prerequisite Courses:
COM 220
Additional Restrictions/Requirements:
Permission of instructor.
University Studies: ["Building Competencies/Writing Intensive", "Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated. Major Restriction: COM

COM 326 - Communication and the Family

Course Description:
Explores communication dynamics within family systems including family contexts, roles, structures, and stages. Analysis of media portrayals of family.
Credit Hours: 3 Prerequisite Courses:
COM 220
Additional Restrictions/Requirements:
PCOM or COM major, or permission of instructor.
Course Repeatability: Course may not be repeated.

COM 334 - Integrated Marketing Communication: Message Design

Course Description:

Focuses on design, construction, and analysis of persuasive strategic messages in integrated marketing communication (IMC) contexts using communication and rhetorical theory. Types of messages include written, verbal, and multimedia.
Credit Hours: 3 Prerequisite or Corequisite Courses:

COM 232

Prerequisite Courses:

COM 231

Additional Restrictions/Requirements:

Or permission of instructor.

Course Repeatability: Course may not be repeated. Major Restriction: COM or Integrated Marketing Communication Certificate

COM 338 - Integrated Marketing Communication: Campaign Design

Course Description:

Design, construction, analysis and evaluation of campaigns that include advertising, public relations, promotions, word-of-mouth and social media elements in integrated marketing communication (IMC) contexts using communication and rhetorical theory.
Credit Hours: 3 Prerequisite or Corequisite Courses:

COM 232

Prerequisite Courses:

COM 231

Additional Restrictions/Requirements:

Or permission of Instructor.

Course Repeatability: Course may not be repeated. Major Restriction: COM Majors or Integrated Marketing Communication Certificate

COM 343 - Culture and Communication of Deaf and Hearing-Impaired Persons

Course Description:

Communication techniques used by D/deaf and hearing-impaired and their impact on relationships with hearing people. Students will learn additional ASL skills and concepts.
Credit Hours: 3 Prerequisite Courses:

COM 246

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated.

COM 344 - Intercultural Communication

Course Description:

Theoretical and practical perspectives on communication effectiveness in dealing with people, groups, or organizations that are culturally different within and across national boundaries.

Credit Hours: 3 Prerequisite Courses:

COM 105 with a grade of 'B' or better, or permission of instructor.

Additional Restrictions/Requirements:

Restricted to Junior standing or higher.

University Studies: ["Approaches and Perspectives/Living in a Global Society", "Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated.

COM 346 - Interracial Communication

Course Description:

Explores communicative behaviors between individuals from various racial and ethnic groups and contextual dynamics unique to such interactions. Approaches to enhancing the content and quality of interracial relationships are also examined.

Credit Hours: 3 Additional Restrictions/Requirements:

PCOM or COM Majors, or permission of instructor.

Course Repeatability: Course may not be repeated. Major Restriction: PCOM and COM Majors

COM 347 - Aging and Communication

Course Description:

Communicative behavior of the elderly within the contexts of friendship networks, health care systems, the work place, and the family. Social forces that influence society's perceptions of the aging communicator.

Credit Hours: 3 Prerequisite Courses:

COM 200 with a minimum grade of B

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor. Restricted to COM majors.

Course Repeatability: Course may not be repeated.

COM 350 - Politics and Film

Course Description:

Explores how the medium of film uses narrative and rhetorical devices such as stock plots, characters, and situations to communicate political ideas and shape audience perceptions. The films chosen for analysis and discussion cover a wide variety of historical and contemporary political issues.

Credit Hours: 3 Additional Restrictions/Requirements:

Restricted to COM majors.

Course Repeatability: Course may not be repeated. Major Restriction: COM

COM 351 - Media and Politics

Course Description:

History and theory of the relationships among the mass media, government, and the American public, and their implications for American democracy. Portrayal and effects of various media. Addresses the media's independence from government, the structure of media organizations, media bias, news practices, political campaigns, and effects on public opinion.

Credit Hours: 3 Prerequisite Courses:

COM 105 or PLS 205

Additional Restrictions/Requirements:

Prerequisite courses or consent of instructor.

Course Repeatability: Course may not be repeated.

COM 352 - Political Communication II

Course Description:

Application-based examination of management, strategy, and tactics within political campaigns and the media coverage of modern politics. Students will survey historical and contemporary politics at both the local and national levels.

Credit Hours: 3 Prerequisite Courses:

COM 250

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated.

COM 355 - Rhetorical Analysis

Course Description:

Application of methodologies to analyze and critique the rhetorical features and dimensions of a wide range of cultural artifacts including songs, visual media, speeches, architecture, paintings, and others.

Credit Hours: 3 Prerequisite Courses:

COM 301 .

Additional Restrictions/Requirements:

COM Majors or permission of instructor.

University Studies: ["Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated. Major Restriction: COM Majors

COM 356 - Speech Writing

Course Description:

Theory and practice of speech writing with special emphasis on writing speeches for others.

Credit Hours: 3 Prerequisite Courses:

ENG 201 and (COM 105 or PLS 205), or permission of instructor.

University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

COM 358 - Diversity in Public Communication

Course Description:

Rhetorical practices of groups and individuals from diverse populations including race, ethnicity, gender, and disability.

Credit Hours: 3 Prerequisite Courses:

COM 101 or COM 105

Course Repeatability: Course may not be repeated.

COM 361 - Media Law and Ethics

Course Description:

Survey of laws and ethical principles that inform and regulate mediated communication including: freedom of speech and expression, defamation, invasion of privacy, intellectual property, the rights and responsibilities of

journalists/reporters, and the regulation of journalism, advertising, public relations and multimedia industries.

Credit Hours: 3 Prerequisite Courses:

COM 265 or COM 268 , or permission of instructor.

Additional Restrictions/Requirements:

COM Major or consent of instructor.

University Studies: ["Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated. Major Restriction: COM Majors Minor Restriction: Journalism Minors

COM 362 - Communication Ethics

Course Description:

Theories and principles to assist students in the identification, analysis, and evaluation of ethical issues and cases in variety of contexts including interpersonal, professional, and mediated contexts.

Credit Hours: 3 Prerequisite Courses:

COM 301 or COM 305

Additional Restrictions/Requirements:

Permission of instructor.

University Studies: ["Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated. Major Restriction: COM

COM 365 - Media, Identity and Difference

Course Description:

Examines representations of difference (of ability, socioeconomic class, gender, race, ethnicity, sexuality, etc.) and identity in media. Key debates regarding media representations of minorities as well as strategies to promote and create more diverse and inclusive representations will be explored. Students will engage in critique of media artifacts through writing and primary research.

Credit Hours: 3 Prerequisite Courses:

COM 104 or COM 105 or COM 160

Additional Restrictions/Requirements:

Prerequisite courses or consent of instructor.

Course Repeatability: Course may not be repeated.

COM 368 - Applications in Multimedia Journalism

Course Description:

Emphasis on long-form/feature reporting. Technical training in the operation of news gathering equipment; refinement of news gathering techniques; presentation and delivery skills; and producing news content for multiple broadcast and digital platforms.

Credit Hours: 3 Prerequisite Courses:

COM 268 or COM 280.

Additional Restrictions/Requirements:

Or Permission of instructor

Course Repeatability: Course may not be repeated. Major Restriction: COM Studies Majors, or journalism minors.

COM 372 - Studies in Organizational Communication

Course Description:

Examination of relationships between organizations and issues of identity, culture, ethical practice, and related global processes and forces. Course concepts will be explored through case studies, critical incident analysis, and field research of organization.

Credit Hours: 3 Prerequisite Courses:

COM 272 or MGT 350

Additional Restrictions/Requirements:

Prerequisite courses or consent of instructor.

Course Repeatability: Course may not be repeated.

COM 374 - Solutions-Focused Consulting

Course Description:

Application of course concepts and communication skills to manage solutions-focused conversations with clients and organizations that identify needs and facilitate change.

Credit Hours: 3 Prerequisite Courses:

COM 231 or COM 372 or COM 378 or MGT 350 or permission of instructor.

Additional Restrictions/Requirements:

COM Major or permission of instructor.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated. Major Restriction: COM Major

COM 378 - Business and Professional Communication

Course Description:

Develop and refine communication skills in business environments and other professional settings. Topics include written correspondence, selection and use of communication technologies, delivery of mediated messages, and the design and delivery of professional presentations.

Credit Hours: 3 Prerequisite Courses:

COM 101 .

Additional Restrictions/Requirements:

COM majors or Entrepreneurship minors, or permission of instructor.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated. Major Restriction: COM Majors Only Minor Restriction: Entrepreneurship

COM 380 - Field Video Production I

Course Description:

Hands-on field video production including project planning, script writing, filming, recording, and editing. Emphasis on mastery of digital camera operation, audio acquisition, lighting, and digital editing. Students complete a variety of short productions working individually and in small teams.

Credit Hours: 3 Prerequisite Courses:

(COM 280 or FST 201) and COM 105 with a minimum grade of B

Additional Restrictions/Requirements:

Prerequisite courses and consent of instructor. Restricted to PCOM and COM majors.

Course Repeatability: Course may not be repeated. Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

COM 382 - Studio Video Production I

Course Description:

Introduction to multi-camera studio video production in a variety of genres. Skills developed include fundamental directing, studio camera operation, audio gathering and mixing, lighting and set design, and producing skills through the completion of group projects.

Credit Hours: 3 Prerequisite Courses:

COM 280

Additional Restrictions/Requirements:

Or permission of instructor.

Course Repeatability: Course may not be repeated. Major Restriction: PCOM and COM Majors

COM 383 - Audio Storytelling & Podcasting

Course Description:

Creation of audio-based projects in a variety of genres including IMC, news, sports, entertainment, and social media content. Topics include: voice development, project planning, scriptwriting, recording, editing, and promotion. Emphasis on proper audio acquisition, digital editing skills, and quality programming. Students complete a variety of productions working individually and in small groups.

Credit Hours: 3 Prerequisite or Corequisite Courses:

COM 200 or permission of instructor.

Additional Restrictions/Requirements:

PCOM or COM major or permission of instructor.

Course Repeatability: Course may not be repeated. Major Restriction: PCOM or COM Majors

COM 387 - Visual Communication: Digital and Print Design and Production

Course Description:

Learn the fundamental rhetorical principles and theories of graphic and layout design for effective communication. Students create artifacts using current technologies and available materials to meet diverse creative and rhetorical goals. Projects include technical documents, posters, magazines, and newsletters and other digital and print deliverables.

Credit Hours: 3 Additional Restrictions/Requirements:

Or permission of instructor.

Course Repeatability: Course may not be repeated. Major Restriction: COM Studies Majors

COM 388 - 3D Computer Animation II

Course Description:

Continued development of essential skills in both technical and artistic dimensions of 3D animation while using a high-end computer application. Through such skills, a

short commercial or movie will be created.
Credit Hours: 3 Prerequisite Courses:
COM 288
Additional Restrictions/Requirements:
Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

COM 395 - Seminar in Communication Studies

Course Description:
Explorations of special topics in communication that are not dealt with in other courses. This course may be repeated under different subtitles. Additional restrictions may be required based on subtitle.
Credit Hours: 1 To 3 Additional Restrictions/Requirements:
COM Majors or permission of instructor.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 9 Repeat Limit: 2
Major Restriction: COM Majors

COM 400 - Communication Studies Capstone

Course Description:
Reflection and synthesis of philosophical, theoretical, and applied dimensions of curriculum and other experiences as they apply to personal and professional aspirations. Students engage in a variety of assignments that demonstrate senior-level competence in the discipline and the student's chosen sub-disciplines of study.
Credit Hours: 3 Prerequisite Courses:
COM 301 or COM 305.
Additional Restrictions/Requirements:
Senior COM Studies Majors
Course Repeatability: Course may not be repeated. Major Restriction: COM Studies

COM 413 - Storytelling & Social Identity

Course Description:
Emphasis on adapting real-life stories into interactive performances for audiences outside of the university classroom. Students develop skills in interviewing, observation, and understanding cultural contexts and diversity in order to develop scripts and performances.

Credit Hours: 3 Additional Restrictions/Requirements:

COM Major or permission of instructor.

University Studies: ["Approaches and Perspectives/Living in Our Diverse Nation","Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated. Major Restriction: COM

COM 415 - Performance Practicum

Course Description:

Explores all aspects of performance studies, from conception through production, by creating and staging creative performance programs. Maximum of three (3) credit hours may counted toward the major.

Credit Hours: 1 To 3 Prerequisite Courses: COM 116 or COM 211 Additional Restrictions/Requirements:

Prerequisite courses or consent of instructor.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 9

COM 420 - Critical Issues in Interpersonal Communication

Course Description:

A collaborative application of research skills to significant interpersonal relationship issues and contexts. Students will complete projects suitable for presentation at an undergraduate conference.

Credit Hours: 3 Prerequisite Courses:

(COM 326 or COM 320) and (COM 300 or COM 302)

Additional Restrictions/Requirements:

Prerequisite courses or consent of instructor.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated.

COM 421 - Nonverbal Communication

Course Description:

Study of messages conveyed through means other than words. Exploration of meaning constructed by touch, gesture, vocal qualities, posture, artifacts (clothing, jewelry, etc.), the built environment, space, and other modalities.

Credit Hours: 3 Additional Restrictions/Requirements:

COM majors or permission of instructor.

Course Repeatability: Course may not be repeated. Major Restriction: COM Majors

COM 424 - Understanding and Managing Communication Patterns

Course Description:

Emphasis on learning how to act into communication patterns as participants and interviewers with the goal of opening possibilities for creative action. Application to contexts including work, committees, social and personal relationships, and community action. Attention is given to emotional and cultural aspects of communication. Students will contribute situations for examination.

Credit Hours: 3 Prerequisite Courses:

COM 305 .

Additional Restrictions/Requirements:

Or permission of instructor.

University Studies: ["Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated. Major Restriction: COM Majors

COM 425 - Negotiation

Course Description:

Theoretical and practical perspectives of negotiation. Emphasis on negotiating techniques for use in business and interpersonal relationships. Explores differences between integrative and distributive bargaining.

Credit Hours: 3 Prerequisite Courses:

COM 223

Additional Restrictions/Requirements:

Prerequisite course and consent of instructor.

Course Repeatability: Course may not be repeated.

COM 431 - Integrated Marketing Communication: Brand Strategy & Research

Course Description:

Examines the role of research, branding, and strategic thinking in integrated marketing communication activities for clients in an applied learning environment. Uses qualitative, quantitative, interpretive and historical research methods to complete projects such as identity and naming, social media management, and visual brand identity.

Credit Hours: 3 Prerequisite Courses:

COM 334 or COM 338 .

Additional Restrictions/Requirements:

COM majors or permission of instructor.

University Studies: ["Building Competencies/Writing Intensive", "Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated. Major Restriction: COM Majors or permission of instructor

COM 436 - Contemporary Issues in Integrated Marketing Communication

Course Description:

Apply rhetorical and integrated marketing communications (IMC) vocabulary and theories to more deeply understand and evaluate contemporary issues and artifacts related to cases of branding, advertising, campaigns, and events.

Credit Hours: 3 University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated. Major Restriction: COM or Integrated Marketing Communication (IMC) Certificate

COM 438 - Integrated Marketing Communication: Event Design

Course Description:

Apply integrated marketing communication (IMC) strategies to event design in specific contexts such as conferences, professional meetings, celebratory events, and programs for community outreach. Students work with clients to research, plan, execute, and evaluate events and their communicative impact in an applied learning environment.

Credit Hours: 3 Prerequisite Courses:

COM 334 or COM 338

Additional Restrictions/Requirements:

Or permission of instructor.

Course Repeatability: Course may not be repeated. Major Restriction: COM or Integrated Marketing Communication (IMC) Certificate

COM 439 - Integrated Marketing Communication Practicum: Pier601

Course Description:

Applied learning experience in a student-run integrated marketing communication

(IMC) firm. Students research, plan, create, and execute IMC and media production projects and are responsible for promoting the Pier601 brand, meeting client needs, and identifying new clients. Emphasizes collaboration, responsibility, cross-functional teams, professional and ethical standards and norms.
Credit Hours: 3 Additional Restrictions/Requirements:
Permission of instructor. Up to 9 credits applied to total credit hours, but a maximum of 3 credit hours will be applied to COM Studies major or Integrated Marketing Communication (IMC) certificate requirements.
University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 9 Repeat Limit: 2 Major Restriction: COM Majors or Integrated Marketing Communication (IMC) Certificate

COM 451 - Public Speaking II

Course Description:
Continued mastery of the five canons, public-address criticism, composition, and presentation skills across delivery modes (impromptu, extemporaneous, manuscript/memorized) and genres (informative, persuasive, ceremonial). Inspiration, humor and other topics.
Credit Hours: 3 Prerequisite Courses:
COM 101 or COM 256 or COM 378
Additional Restrictions/Requirements:
Prerequisite courses or consent of instructor.
Course Repeatability: Course may not be repeated.

COM 458 - Rhetoric of Faith Healing

Course Description:
Study of the persuasive strategies of religious faith healers. Emphasis on audiences, patterns of argument, organization, style, delivery, and ethics.
Credit Hours: 3 Prerequisite Courses:
COM 301 or COM 305 or permission of instructor.
Additional Restrictions/Requirements:
COM majors or permission of instructor.
University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated. Major Restriction: COM Majors or permission of instructor

COM 462 - U.S. Rhetoric during World War II

Course Description:

Application of rhetorical concepts and theories to artifacts from and about World War II. The historical and contemporary popular culture surrounding World War II is also explored and critiqued through multimedia projects.

Credit Hours: 3 Prerequisite Courses:

COM 301 , or permission of instructor.

Course Repeatability: Course may not be repeated. Major Restriction: COM Major

COM 465 - Media and Popular Culture

Course Description:

Exploration of the intersection between mass and social media and popular culture. Topics include media effects, cultural difference, fan experience and more. Students use media theories and rhetorical tools to conduct critical analysis of media artifacts. Students complete projects suitable for presentation at an undergraduate conference.

Credit Hours: 3 Additional Restrictions/Requirements:

Junior or senior standing.

University Studies: ["Explorations Beyond the Classroom", "Approaches and Perspectives/Living in Our Diverse Nation", "Building Competencies/Writing intensive"] Course Repeatability: Course may not be repeated. Major Restriction: Communication Studies Minor Restriction: Journalism

COM 473 - Communication Skills Training

Course Description:

Study and application of key principles for design and delivery of communication training. Focus is on needs assessment, creation and facilitation of instruction, and basic evaluation of training results.

Credit Hours: 3 Prerequisite Courses:

COM 272 or MGT 350 or permission of instructor

Additional Restrictions/Requirements:

PCOM or COM Major or permission of instructor.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated. Major Restriction: PCOM or COM Major or permission of instructor.

COM 474 - Contemporary issues in Organizational Communication

Course Description:

Exploration of emerging challenges and cases that influence or are affected by organizations and organizational communication. Connections between intra-organizational communication, organizational cultural, and external communication choices will be examined from a variety of perspectives.

Credit Hours: 3 Prerequisite Courses:

COM 272 or MGT 350

Additional Restrictions/Requirements:

Senior class standing, prerequisite courses, or permission of instructor.

Course Repeatability: Course may not be repeated.

COM 480 - Field Video Production II

Course Description:

Application of advanced field video and editing techniques in the completion of substantial video projects in two or more of these areas: artistic/experimental, documentary, informational, promotional, news, or sports. Emphasis on development of creativity, and video storytelling, planning and technical skills. All projects are intended for festival submission, regional telecast, or produced for campus and regional clients.

Credit Hours: 3 Prerequisite Courses:

COM 380 and permission of instructor.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated. Major Restriction: COM

COM 481 - Demo Reel

Course Description:

Examination of contemporary demonstration reel practices and creation of a personal demo reel of previously produced work.

Credit Hours: 1 Additional Restrictions/Requirements:

Consent of instructor.

Course Repeatability: Course may not be repeated.

COM 482 - Studio Video Production II

Course Description:

Follow-up course in studio production offering students the opportunity to produce original content for a variety of outlets, including online and digital platforms. Student teams develop, plan, and produce professional quality programming in a variety of genres.

Credit Hours: 3 Prerequisite Courses:

COM 382

Additional Restrictions/Requirements:

Or permission of instructor.

Course Repeatability: Course may not be repeated. Major Restriction: COM majors

COM 483 - Television Production Workshop

Course Description:

Cumulative course combining field and studio television production techniques with the goal of creating unique programs intended for telecast on UNCW-TV. Student teams develop, plan, and produce professional quality television programs in a variety of genres.

Credit Hours: 4 Prerequisite Courses:

COM 305 , and COM 200 with a minimum grade of "B."

Additional Restrictions/Requirements:

Prerequisite courses and consent of instructor. Restricted to COM majors.

Course Repeatability: Course may not be repeated.

COM 486 - Digital Multimedia II

Course Description:

Providing students with the opportunity to gain in-depth knowledge about digital multimedia while using Adobe Photoshop, Adobe Illustrator, and Adobe InDesign. Emphasis on developing skills in digital multimedia for use in advertising, print, media, and electronic media.

Credit Hours: 3 Prerequisite Courses:

COM 286 or COM 387

Additional Restrictions/Requirements:

Prerequisite courses or consent of instructor.

Course Repeatability: Course may not be repeated.

COM 491 - Directed Individual Study

Course Description:

Involves investigation under faculty supervision beyond what is offered in existing upper-division courses. For further information, consult the Directed Individual Studies section in this catalogue.

Credit Hours: 1 To 6 Additional Restrictions/Requirements:

Restricted to junior and senior COM majors, with overall GPA of at least 2.50 and consent of instructor, department chair, and dean.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 9 Repeat Limit: 2-8 Major Restriction: COM

COM 495 - Advanced Seminar in Communication Studies

Course Description:

Advanced special topics in communication that are not dealt with in other courses. This course may be repeated under different subtitles. Additional restrictions may be required based on subtitle.

Credit Hours: 3 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 9 Repeat Limit: 2 Major Restriction: COM Majors

COM 498 - Internship in Communication Studies

Course Description:

Practical field experience within an organization, emphasizes reflection and application of communication theories, concepts and skills. May be repeated up to 3 times for 12 credit hours total, but only 3 credit hours count toward major. Does not fulfill COM 400-level additional course requirement.

Credit Hours: 3 or 6 Additional Restrictions/Requirements:

Restricted to junior and senior COM majors, with overall GPA of at least 2.5 and consent of instructor, department chair, and dean.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12 Repeat Limit: 3 Additional Fees Link:
Additional Course Fee Schedule

Major Restriction: COM Majors

COM 499 - Honors Work in Communication Studies

Course Description:

Independent study for honors students with expectation of completion of a thesis-level final project.

Credit Hours: 2 To 3 Prerequisite Courses:

COM 301 or COM 305

Additional Restrictions/Requirements:

Prerequisite courses with at least 3.2 overall GPA, senior class standing and COM major.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

COML 280 - Introduction to Digital Media Production Lab

Course Description:

Practical application of introductory digital video and audio production techniques and concepts. Includes experience with project planning, camera operation, lighting and sound gathering. Intended for students with a strong interest in field video production, studio television production, or audio production.

Credit Hours: 1 Corequisite Courses:

COM 280

Course Repeatability: Course may not be repeated.

Department of Creative Writing

http://www.uncw.edu/writers

The Department of Creative Writing offers a major leading to the Bachelor of Fine Arts degree, and the optional Certificate in Publishing. The B.F.A. program offers an intensive apprenticeship in writing, informed by the close study of literature, to serious, aspiring writers, among a community of accomplished professional writers. The Bachelor of Fine Arts degree provides training in the art of writing within the context of studies in aesthetics, the literary tradition, the craft and profession of publishing, and broad liberal arts subject matter relevant to the student's needs and goals. Students choose to concentrate their study in any of our three writing genres: fiction, poetry, or creative nonfiction.

Faculty and students interact in a variety of ways with the community and region. Our Publishing Laboratory replicates the functions of a typical book publisher, allowing students hands-on experience with new technologies in the process of publishing and the techniques of getting published. Our Younger Writers' Summer Workshop is an annual four-day conference that brings together high school students from all over the state and region to study with the faculty and students of the Department of Creative Writing.

The department has four primary educational goals for undergraduate students: 1) providing dedicated and talented students with a rigorous apprenticeship in the art and craft of creating literature; 2) developing students' critical faculties, their understanding of literary forms, and their aesthetic judgment; 3) providing students with a strong intellectual foundation in the historical literary tradition, grounding their practice of the art of writing in an understanding of how that art has been practiced by the greatest classic and contemporary authors; and 4) developing a thoughtful interdisciplinary foundation for understanding creative writing's relationship to other arts and scholarly areas. Additionally, the course of study engenders improved problem-solving skills, analytical reasoning, communication abilities, and both independent and group work ethics.

Students may declare a major in pre-creative writing upon the successful completion of 24 hours of course work at UNCW.

To gain admission to the full creative writing major and thus enter the B.F.A. degree program, students must complete the following courses:

- CRW 201 - Introduction to Creative Writing
- CRW 203 - The Evolution of Creative Writing: Fiction, Poetry, and Creative Nonfiction
- %program_field%CRW 207 - Fiction Writing I: Invention and Story Craft or CRW 208 - Poetry Writing I: Image and Pattern , or CRW 209 - Creative Nonfiction I: Discovery and Story Craft with a grade of "B" or higher.
- Upon completion of these core courses, and after declaring pre-creative writing as their major, students must submit an application to the full major, as stipulated by the department.

Creative Writing Minor

The Department of Creative Writing offers a minor, which emphasizes development in the craft of writing. The 21-hour Minor in Creative Writing provides students with a foundation in creative writing classes, including an introductory course and a course

in the historical development of the discipline. Minors in creative writing also take first-level workshops in the department's three writing genres: fiction, poetry, and creative nonfiction. The minor helps students develop basic proficiencies in creative writing, while allowing them to focus their interests through appropriate electives in related study. 21 hours: 15 core, 6 related study electives. The minor requires at least 6 credit hours of course work at the 300–400 level.

Creative Writing, B.F.A.

The Department of Creative Writing offers a major leading to the Bachelor of Fine Arts degree, the optional Certificate in Publishing, and a minor in creative writing. The Bachelor of Fine Arts program offers an intensive apprenticeship in writing, informed by the close study of literature, to serious, aspiring writers, among a community of accomplished professional writers. The BFA degree provides training in the art of writing within the context of studies in aesthetics, the literary tradition, the craft and profession of publishing, and broad liberal arts subject matter relevant to the student’s needs and goals. Students take writing workshops in all three of the department’s writing genres: fiction, poetry, and creative nonfiction.

Publishing Certificate

Majors only. Current practice, theory, and history of the publishing industry taught in conjunction with the UNCW Publishing Laboratory.

Coastal and Environmental Writing Minor

The interdisciplinary minor in Coastal and Environmental Writing provides students the opportunity to develop skills in environmental writing that is informed by the study of relevant science and literature. The curriculum is designed to reflect the interdisciplinary nature of this writing specialty through coursework from several departments, allowing students to master the fundamentals by using traditional classroom courses and applied learning. 21 credit hours: 15 hours in core courses, including 3 hours of internship, and 6 hours in electives from two broad areas of study. At least 3 of the 6 elective hours must be taken in courses at the 300-400

level.

CRW 201 - Introduction to Creative Writing

Course Description:

Introduction to the principles and techniques of creative writing, aimed at developing the creative process. Includes lectures, reading, and writing exercises in poetry, fiction, and creative nonfiction.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives"] Course Repeatability: Course may not be repeated.

CRW 203 - The Evolution of Creative Writing: Fiction, Poetry, and Creative Nonfiction

Course Description:

Introduction to the historical development of poetic, narrative, and other forms of creative writing. Analytical and creative assignments develop student understanding of techniques such as metrics, point of view, and narrative structure. This course is a core requirement for the CRW major and CRW minor.

Credit Hours: 3 University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

CRW 207 - Fiction Writing I: Invention and Story Craft

Course Description:

Instruction in writing fiction, including critical evaluation by instructor and class of students' original works. Students also critique and relate to their own work the fiction of relevant professional authors.

Credit Hours: 3 Prerequisite Courses:

Prerequisite:CRW 201 , or prerequisite/corequisite: CRW 203 .

Course Repeatability: Course may not be repeated.

CRW 208 - Poetry Writing I: Image and Pattern

Course Description:

Instruction in writing poetry, including critical evaluation by instructor and class of students' original works. Students also critique and relate to their own work the poetry of relevant professional poets.

Credit Hours: 3 Prerequisite Courses:

Prerequisite: CRW 201 ; prerequisite or corequisite: CRW 203 .

Course Repeatability: Course may not be repeated.

CRW 209 - Creative Nonfiction I: Discovery and Story Craft

Course Description:

Instruction in writing creative nonfiction, including critical evaluation by instructor and class of students' original works. Students also critique and relate to their own work, the work of relevant professional authors.

Credit Hours: 3 Prerequisite Courses:

Prerequisite: CRW 201 ; prerequisite or corequisite: CRW 203 .

Course Repeatability: Course may not be repeated.

CRW 210 - Writing for Digital Media

Course Description:

Instruction in writing narrative as a foundation for digital-arts projects. Focus will be on the writing process, from story ideas to revised drafts, with the aim of applying the written works to digital-arts projects.

Credit Hours: 3 Prerequisite Courses:

CRW 201 or CRW 203

Course Repeatability: Course may not be repeated.

CRW 300 - Research for Creative Writers

Course Description:

Instruction for writers of creative nonfiction, fiction, and poetry in searching electronic, print, and physical archives; historical artifacts; the geographical and built environment; and living sources, with special emphasis on interviewing techniques and ethics, and on integrating research into artistic writing.

Prerequisite Courses:

CRW 209

Additional Restrictions/Requirements:

A grade of C- or higher is required for the course to count toward the Major in Creative Writing or the Minor in Coastal and Environmental Writing. A grade point average of C (2.00) or higher is required for all courses counted toward the major or minor.

Course Repeatability: Course may not be repeated. Major Restriction: Pre-Creative Writing, Creative Writing Minor Restriction: Coastal and Environmental Writing

CRW 302 - Creative Nonfiction: Reading for Craft

Course Description:

Study of the aesthetics and techniques of creative nonfiction and of the history of nonfictional forms such as the memoir and the literary essay, as developed by classic and contemporary writers.

Credit Hours: 3 Prerequisite Courses:

CRW 209

Additional Restrictions/Requirements:

Restricted to CRW majors, pre-CRW majors, CRW minors.

Course Repeatability: Course may not be repeated.

CRW 303 - Poetry: Reading for Craft

Course Description:

Study of the aesthetics of poetry, poetic technique, and the history of poetic forms such as the ballad, the sonnet, the ode, and free verse, as developed by classic and contemporary writers.

Credit Hours: 3 Prerequisite Courses:

CRW 208

Additional Restrictions/Requirements:

Restricted to CRW majors, pre-CRW majors, CRW minors.

Course Repeatability: Course may not be repeated.

CRW 304 - Forms of Dramatic Writing

Course Description:

Study of the aesthetics of dramatic writing, dramatic technique, and the history of dramatic forms such as tragedy, comedy, the screenplay, and the musical, as developed by classic and contemporary writers.

Credit Hours: 3 Prerequisite Courses:

CRW 207 or CRW 208 or CRW 209

Additional Restrictions/Requirements:

Restricted to CRW majors, pre-CRW majors, CRW minors.

Course Repeatability: Course may not be repeated.

CRW 305 - The Creative Process

Course Description:

Investigation through reading, lectures, discussions, writing, and exercises of the creative process in general and its particular application to literary art. Readings include studies of the creative process in a variety of other disciplines.

Credit Hours: 3 Prerequisite Courses:

Prerequisite or corequisite: CRW 207 or CRW 208 or CRW 209 , or consent of instructor.

Course Repeatability: Course may not be repeated.

CRW 306 - Fiction: Reading for Craft

Course Description:

Study of the aesthetics and technique of fiction, and the history of fictional forms such as the epic, the short story, and the novel, as developed by classic and contemporary writers.

Credit Hours: 3 Prerequisite Courses:

CRW 207

Additional Restrictions/Requirements:

Restricted to CRW majors and pre-CRW majors.

Course Repeatability: Course may not be repeated.

CRW 307 - Fiction Writing II: Voice and Vision

Course Description:

Techniques of writing fiction and development of the creative process, including writing exercises, editing, and workshop discussion.

Credit Hours: 3 Prerequisite Courses:

CRW 207

Additional Restrictions/Requirements:

Restricted to CRW and Pre-CRW majors.

Course Repeatability: Course may not be repeated.

CRW 308 - Poetry Writing II: Voice and Vision

Course Description:

Techniques of writing poetry and development of the creative process, including writing exercises, editing, and workshop discussion.
Credit Hours: 3 Prerequisite Courses:
CRW 208
Course Repeatability: Course may not be repeated.

CRW 309 - Creative Nonfiction Writing II: Voice and Vision

Course Description:
Techniques of writing creative nonfiction and development of the creative process, including writing exercises, editing, and workshop discussion.
Credit Hours: 3 Prerequisite Courses:
CRW 209
Course Repeatability: Course may not be repeated.

CRW 314 - Theory and Practice of Literary Translation

Course Description:
Introduction to the theory and practice of literary translation. Includes translation exercises, workshop discussion, reading on the history and theory of translation.
Credit Hours: 3 Prerequisite Courses:
CRW 307 or CRW 308 or CRW 309
University Studies: ["Approaches and Perspectives/Living in a Global Society"] Course Repeatability: Course may not be repeated.

CRW 315 - Special Topics in Creative Writing

Course Description:
An intensive study of a particular subject in creative writing. The course varies from semester to semester and to include such topics as the short story; contemporary poets and movements or writing and the visual arts.
Credit Hours: 3 Prerequisite Courses: CRW 207 or CRW 208 or CRW 209 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 9 Repeat Limit: 2

CRW 316 - Playwriting I

Course Description:
Intensive and imaginative exploration of playwriting through various exercises designed to foster and challenge personal creativity, ensure aesthetic understanding

and application, while advancing fundamentals of craft. Concludes with the creation of a ten-minute play, or short form play.
Credit Hours: 3 Crosslisting:
THR 316
Course Repeatability: Course may not be repeated.

CRW 318 - Screenwriting I: Introduction to Screenwriting

Course Description:
Theory and practice of screenwriting an emphasis on the fundamentals of narrative structure. Students write original scripts, including a short screenplay for possible use in FST 495 .
Credit Hours: 3 Prerequisite Courses:
Prerequisite or corequisite: FST 201 ; or prerequisite:CRW 207 or CRW 208 or CRW 209 ; or consent of instructor.
Additional Restrictions/Requirements:
Restricted to PCRW or CRW majors.
Crosslisting:
FST 318
Course Repeatability: Course may not be repeated.

CRW 320 - Special Workshop in Writing

Course Description:
Workshop in one or more genres of creative writing.
Credit Hours: 1 To 3 Prerequisite Courses: CRW 207 or CRW 208 or CRW 209 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 9

CRW 321 - Introduction to Book Publishing

Course Description:
Introduction to the culture and commerce of books. Examines the life cycle of a book; the people and processes involved in book publishing including editorial practice and the issues involved in editorial decision-making; and the business, economics, and ethics of the publishing industry. Engagement in a variety of publishing activities, such as a book proposal and mock book auction.
Credit Hours: 3 Prerequisite Courses:
CRW 201

University Studies: ["Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

CRW 322 - Editing for Publication

Course Description:

Intensive course in applied self-editing. Course content focuses on grammar, spelling, writing mechanics, usage, precision, and best practices to prepare manuscripts for critique and consideration for publication. This core is a requirement for both the CRW major and the Certificate in Publishing.

Credit Hours: 3 Prerequisite Courses:

Prerequisite or corequisite: CRW 207 or CRW 208 or CRW 209 .

Additional Restrictions/Requirements:

Restricted to CRW and Pre-CRW majors and CRW minors.

University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

CRW 323 - Bookbuilding

Course Description:

Introduction to principles of effective graphic design and typography for book publishing, using desktop publishing applications in a computer lab setting and including hands-on production of several publications. Includes survey history and future trends in printing and publishing.

Credit Hours: 3 Prerequisite Courses:

CRW 207 or CRW 208 or CRW 209

Additional Restrictions/Requirements:

Prerequisite courses or consent of instructor.

Course Repeatability: Course may not be repeated.

CRW 324 - Special Topics in Publishing

Course Description:

Intensive examination of a special area of publishing, such as electronic publishing, editing poetry, or history of the book.

Credit Hours: 3 Prerequisite Courses: CRW 207 or CRW 208 or CRW 209 Additional Restrictions/Requirements:

Prerequisite courses or consent of instructor.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 9

CRW 325 - Literary Magazine Practicum

Course Description:
Applied course in the publication of a literary journal. The practical business of running a literary magazine, including editorial, marketing, and sales decisions. Assignments include reading submissions, proofreading and fact-checking, assisting in the creation and production of promotional materials, commenting on design decisions, selecting artwork/illustrations, and meeting production deadlines.
Credit Hours: 3 Prerequisite Courses: CRW 201 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

CRW 350 - Beyond the BFA

Course Description:
Examines the prospects of the lives of creative writers beyond college. Focus is on career options for creative writers, job searches, graduate school applications, writing the resume, interviewing for jobs, submitting creative work for publication, and considering creative/alternative professional paths.
Credit Hours: 3 Additional Restrictions/Requirements:
CRW majors and Pre-CRW majors only.
Course Repeatability: Course may not be repeated.

CRW 418 - Screenwriting II: Writing the Feature Film

Course Description:
The craft of screenwriting applied to the feature form.
Credit Hours: 3 Prerequisite Courses:
FST 318
Additional Restrictions/Requirements:
Prerequisite course, restricted to CRW or FST majors, or consent of instructor.
Crosslisting:
FST 418 , FST 518
Course Repeatability: Course may not be repeated.

CRW 419 - Screenwriting III: Film Adaptation

Course Description:

Writing, revision, and completion of screen adaptation of literary work.
Credit Hours: 3 Prerequisite Courses:
FST 318
Additional Restrictions/Requirements:
Prerequisite course or consent of instructor.
Crosslisting:
FST 419 , FST 519
Course Repeatability: Course may not be repeated.

CRW 420 - Advanced Manuscript Workshop: (Topic)

Course Description:
Advanced manuscript writing workshop in a single genre or mixed genres of creative writing.
Credit Hours: 3 Corequisite Courses:
CRW 302, CRW 303, CRW 304, or CRW 306.
Prerequisite Courses:
CRW 307 or CRW 308 or CRW 309 .
Additional Restrictions/Requirements:
CRW majors only.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

CRW 425 - Advanced Topics in Publishing

Course Description:
Intensive examination of an advanced area of publishing, such as an area of specialization within book editing, book arts or design, the history of independent book or magazine publishng, or for a course taught by a guest instructor.
Credit Hours: 3 Prerequisite Courses: CRW 321 and CRW 323 Crosslisting:
CRW 525
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

CRW 445 - Advanced Playwriting

Course Description:
Advanced techniques of playwriting with an emphasis on full-length plays; the writing of an original full-length play.
Credit Hours: 3 Prerequisite Courses:
CRW 316

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated.

CRW 460 - Publishing Practicum

Course Description:

Practical course in book and periodical publishing, in conjunction with the CRW Publishing Laboratory. Hands-on experience editing, designing, and producing publications such as books, chapbooks, literary broadsides, and promotional materials.

Credit Hours: 1 To 3 Prerequisite Courses: CRW 323 and (CRW 321 or CRW 322) Additional Restrictions/Requirements:

Prerequisite courses or consent of instructor.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

CRW 491 - Directed Individual Study

Course Description:

Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Study section in this catalogue.

Credit Hours: 1 To 3 Additional Restrictions/Requirements:

Junior or senior standing, nine hours of literature or writing courses (depending on project focus), at least three of which are at the 300-400 level; overall GPA of at least 2.00; and consent of instructor, department chair, and dean.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

CRW 496 - Senior Seminar in Creative Writing

Course Description:

Seminar addressing issues of the profession, including preparing a manuscript for submission to publishers, publishing, advanced study, the writing life, ethics, and employment. Senior thesis, chapbook created in conjunction with the UNCW Publishing Laboratory, and public oral presentation of creative work required.

Credit Hours: 6 Prerequisite Courses:

CRW 420 Advanced Manuscript Workshop: Topic

Additional Restrictions/Requirements:

Prerequisite courses, restricted to senior class standing, CRW majors, and consent of the department.
University Studies: ["Building Competencies/Writing Intensive", "Explorations Beyond the Classroom/Certified Internship Program", "Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated. Major Restriction: BFA in Creative Writing

CRW 498 - CRW 498 - Internship in Writing - Bass

Course Description:
Academic training and practical writing experience through work in a private company or public agency. Faculty supervision and evaluation of all study and on-site activity. Open to students of junior or senior standing in all majors who have been approved by the faculty internship advisor.
Credit Hours: 1 Prerequisite Courses:
CRW 209
Additional Restrictions/Requirements:
Prerequisite course and nine additional hours of CRW writing courses, of which at least three are at the 300-400 level. Open to students of junior or senior standing in all majors who have been approved by the faculty internship advisor.
University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Repeat Limit: 2

CRW 499 - Honors Work in Creative Writing

Course Description:
Independent study for honors students.
Credit Hours: 2 To 3 Additional Restrictions/Requirements:
Eligibility for honors program and nine hours of literature or CRW writing courses (depending on project focus), at least three hours at the 300-400 level.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

FNA 102 - Explorations in the Creative Process

Course Description:
Explorations of the creative process informed by a variety of allied arts including, but not limited to: creative writing, music, painting, sculpture, theater, dance and film. Includes lectures, readings, and creative exercises.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and

Literary Perspectives"] Course Repeatability: Course may not be repeated.

Department of English

http://www.uncw.edu/english

The English Department offers programs that foster intellectual development and personal exploration through the study of literature, writing, and the English language, and that emphasize analytical, expository, and technical skills to prepare students for careers in many fields, including education, law, business, public service, and publishing, and for graduate study.

English Minor

English, B.A.

None

Professional Writing Certificate

Skill with written communication is crucial to career advancement in business, technology fields, the sciences, and other professional environments. A graduate in any discipline who is credentialed as a professional writer has greatly increased employability. The Certificate in Professional Writing advances writing skills by providing foundational education in rhetoric, design, and editing, and offering courses in areas including:

- Business Writing
- Digital Writing
- Science Writing
- Multimedia Writing
- Journalism
- Technical Writing

The Certificate in Professional Writing is a separate credential that does not replace your major or minor. Any UNCW undergraduate may earn the certificate by completing 21 hours of coursework, including a writing internship (which requires a

3.0 major GPA). Your transcript will list the certificate along with other degrees earned.

English, Bachelor's/Master's Combined Program

The bachelor's/master's degree program is designed to provide exceptional students in English a means to complete the requirements for both degrees in a period of five years. The key feature of the program is that a student can count up to 12 hours of graduate level courses satisfying requirements for the B.A. toward a non-thesis Master's degree in English.

The program is designed for students in the B.A. program in English who have:

1. Completed a minimum of seventy-five (75) and a maximum of ninety-eight (98) credit hours in their undergraduate programs in English. Transfer students must have completed a minimum of two semesters as a full-time student at UNCW, a minimum of 24 hours.
2. Completed ENG 204 or ENG 205 , and a minimum of nine (9) hours of 300-400 level English courses.
3. A minimum accumulated grade point average (GPA) of 3.5/4.0 and a minimum grade point average (GPA) of 3.7/4.0 on all 200-400 level English courses at UNCW.

Students who meet the above criteria may request permission from the department chair to apply up to 12 hours of graduate-level credit earned during their senior year toward their futre master's degree in English. Departmental permission to apply to the bachelor's/master's degree does not guarantee admission to the Graduate School. Admission to the Graduate School is contingent upon meeting eligibility requirements at the time of entering the graduate program. Acceptance will be provisional and contingent on meeting specified degree requirements including completion of the bachelor's degree.

Students accepted into the combined program:

- Must submit the standard English application for admission to the Graduate School by the posted deadline for the semester in which the student intends to enroll.
- Must submit to the Graduate Coordinator a Graduate Degree Plan during the first semester of their senior year, signed by the prospective student, the department chair, and the graduate coordinator. This Graduate Degree Plan for the master's degree must clearly indicate:
- The specific 500-level ENG courses (maximum of 12 graduate credit hours) that will be double-counted for both bachelor's and master's degrees (contingent upon acceptance in the MA program).
- The student's intention to fulfill course requirements for the master's degree no later than a year after receiving the bachelor's degree; and
- The intended graduation date for the master's degree.

A student who is ineligible to participate or continue in, or withdraws from the bachelor's/master's program, cannot double count any courses for both bachelor's and master's degrees. For more details, see the graduate coordinator.

Digital Humanities Minor

The College of Humanities, Social Sciences, and the Arts offers an interdisciplinary minor in Digital Humanities. The minor provides students with an understanding of the study of digital technologies with a focus on their impact on diverse human experiences, cultures, and cultural expression. Students complement core requirements with classes on the development, application, and implications of digital technologies from the perspective of different sciences (CSC, GGY, CIT), humanities (PAR, ENG, HST, WLC, COM) and arts disciplines (ART). Students should contact the coordinator in the English department, Jennifer Lozano (lozanoj@uncw.edu), for additional information.

Linguistics Minor

The College of Humanities, Social Sciences, and the Arts (CHSSA) offers a minor in linguistics to provide students with a variety of courses related to the scientific study of human languages. Students acquire a basic knowledge of linguistics, sociolinguistics, and applied language studies in courses offered by several departments. For more information, contact the minor coordinator, Dr. Addie Sayers, at chinaa@uncw.edu.

DHS 104 - Introduction to Digital Humanities

Course Description:
Introduction to the application of digital tools for humanities research. Students explore interdisciplinary definitions of Digital Humanities (DH) and DH research methods; investigate and critique DH projects; and plan and execute their own collaborative DH projects.
Credit Hours: 3 University Studies: "\"\"" Course Repeatability: Course may be repeated.
Additional Course Fees: "\"\"" Equivalent Courses: "\"\""

DHS 367 - Digital Humanities Applications

Course Description:

Project-based exploration of a real world problem (social, cultural, interpretive/aesthetic). Students conduct primary and/or secondary research using digital and non-digital methods and present findings using a relevant digital medium that aligns with the project's values, goals, and audience.

Credit Hours: 3 Prerequisite Courses:

DHS 104

University Studies: "\"\"" Course Repeatability: Course may not be repeated. Additional Course Fees: "\"\"" Equivalent Courses: "\"\""

ENG 101 - College Writing and Reading I

Course Description:

Introduction to the composing process through practice in analysis and rhetoric as well as narrative and expository forms appropriate to academic writing. Students conduct research using print and online sources, document sources, and write persuasively.

Credit Hours: 3 University Studies: ["Foundations/Composition"] Course Repeatability: Course may not be repeated.

ENG 103 - College Writing and Reading (Advanced)

Course Description:

College-level writing and reading for advanced students. Extensive practice in composing processes and in gathering, analyzing, synthesizing, and documenting information from sources.

Credit Hours: 3 Additional Restrictions/Requirements:

Special competence demonstrated in an English placement test, Advanced Placement test, or CLEP test.

University Studies: ["Foundations/Composition", "Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

ENG 104 - Introduction to Digital Humanities

Course Description:

Introduction to the application of digital tools for humanities research. Students explore interdisciplinary definitions of Digital Humanities (DH) and DH research methods; investigate and critique DH projects; and plan and execute their own collaborative DH projects.
Course Repeatability: Course may not be repeated.

ENG 110 - Introduction to Literature

Course Description:
Introduction to reading and responding to literature in a variety of genres, such as poetry, fiction, drama, and literary non-fiction.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives", "Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

ENG 111 - Introduction to Literature Global Emphasis

Course Description:
Introduction to reading and responding to literature in a variety of genres, such as poetry, fiction, drama, and literary non-fiction from literary cultures other than the US or UK.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives", "Approaches and Perspectives/Living in a Global Society", "Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

ENG 190 - Adventures in Literature

Course Description:
An interdisciplinary study of a significant theme, genre, or author, focusing primarily on literary works but also drawing on sources from other fields, including art, music, and history.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

ENG 201 - College Writing and Reading II

Course Description:
College-level writing and reading, including continued practice in the composing

process, with emphasis on argumentation and research. Projects will employ a rhetorical approach to identifying, evaluating, analyzing, synthesizing, and documenting information from print or online sources.
Credit Hours: 3 Prerequisite Courses:
ENG 101
University Studies: ["Foundations/Composition", "Building Competencies/Information Literacy"]
Course Repeatability: Course may not be repeated.

ENG 202 - Introduction to Journalism

Course Description:
Introduction to news values, style, and writing. Focus is on writing news leads and news stories under deadline pressure. Also included: note taking, interviewing, and an introduction to feature writing.
Credit Hours: 3 Prerequisite Courses:
ENG 103 or ENG 200 [Inactive] or ENG 201
Additional Restrictions/Requirements:
Prerequisite courses or consent of instructor.
University Studies: ["Building Competencies/Writing Intensive", "Building Competencies/Information Literacy", "Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated.

ENG 204 - Introduction to Technical Writing and Design

Course Description:
Introductory survey of concepts in technical writing and design, including audience analysis, research methods, visual thinking, and composing processes. Includes a service-learning component.
Credit Hours: 3 Additional Restrictions/Requirements:
This class is not for students in Online Accelerated Programs.
University Studies: ["Building Competencies/Writing Intensive","Building Competencies/Information Literacy","Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated.

ENG 205 - Introduction to Literary and Cultural Studies

Course Description:
An immersive introduction to literary and cultural studies, focusing on a single text.

Students will learn how to write literary and cultural criticism, with an emphasis on interpretative methods, practical research skills, and discipline-specific conventions of citation.

Credit Hours: 3 Prerequisite Courses:

Prerequisite or corequisite: ENG 103 or ENG 201 , or consent of instructor.

University Studies: ["Building Competencies/Writing Intensive", "Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

ENG 206 - Writing for Career Essentials

Course Description:

In this online course, students will develop the writing skills needed to advance in their chosen professions. Writing projects build from the content covered in the corequisite business course and involve students in an iterative process of information gathering, analysis, drafting and revision.

Credit Hours: 1 Corequisite Courses:

BUS 206

University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

ENG 209 - Classical Literature in Translation: Topics

Course Description:

Major authors of ancient Greece and Rome. Emphasis on ancient literature in its social context and on classical themes in later literatures. May be repeated under a different subtitle.

Credit Hours: 3 Prerequisite Courses:

Prerequisite or corequisite: ENG 103 or ENG 201 , or consent of instructor.

University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives", "Building Competencies/Writing Intensive"] Crosslisting:

CLA 209

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

ENG 210 - Mythology

Course Description:

The major mythological systems of Western society - Greek, Roman, and Norse. Mythology of other parts of the world, especially the Ancient Middle East, and

related material are also considered.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives", "Approaches and Perspectives/Historical and Philosophical Approaches"] Crosslisting:
CLA 210
Course Repeatability: Course may not be repeated.

ENG 211 - British Literature to 1800

Course Description:
A survey of representative British text from the Anglo-Saxon period through the eighteenth century. This course examines selections from an analytical and historical perspective.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives", "Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

ENG 212 - British Literature Since 1800

Course Description:
A survey of representative British texts of the nineteenth and twentieth centuries. This course examines selections from an analytical and historical perspective.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives"] Course Repeatability: Course may not be repeated.

ENG 223 - American Literature to 1870

Course Description:
A survey of representative texts from colonial and early America and of the Romantic era.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives", "Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

ENG 224 - American Literature Since 1870

Course Description:
A survey of representative texts from the eras of American Realism and the twentieth century.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives", "Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

ENG 225 - World Literature to 1600

Course Description:

A survey of representative works of world literature (excluding British and American writers), including both Western and non-Western works. Work from ancient times to approximately 1600.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives", "Approaches and Perspectives/Living in a Global Society", "Building Competencies/Writing Intensive", "Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated.

ENG 226 - World Literature Since 1600

Course Description:

A survey of representative works of world literature (excluding British and American writers), including both Western and non-Western works. 1600 to the present.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives", "Approaches and Perspectives/Living in a Global Society", "Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

ENG 227 - World Anglophone Literatures

Course Description:

A theme-based literature course featuring literatures written in English from locations other than US and UK. May be repeated under a different subtitle.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives", "Approaches and Perspectives/Living in a Global Society", "Building Competencies/Writing Intensive"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

ENG 230 - Women In Literature

Course Description:

Modern literature by and about women. Focuses on changes in images and roles of women. May include fiction, poetry, drama, and nonfiction.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives", "Approaches and Perspectives/Living in Our Diverse Nation"] Course Repeatability: Course may not be repeated.

ENG 231 - Theory and Practice of Hip-Hop

Course Description:
A study of the theory and practice of hip-hop culture, with an emphasis on the four elements: turntablism, rap, graffiti, and dance. Students will be introduced to representative figures, periods, themes, and texts.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in a Diverse Nation"] Course Repeatability: Course may not be repeated.

ENG 232 - African American Literature

Course Description:
Introduction to the African American literary tradition through a focus on genre, historical era, or major themes, such as nationalism, religion, or urban culture. Topics/historical periods may vary according to instructor.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives", "Approaches and Perspectives/Living in Our Diverse Nation", "Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

ENG 233 - The Bible as Literature

Course Description:
Study of types of Biblical literature, including narratives from the Old and New Testaments, sermons, parables, and poetry. Attention to the Bible as literature in itself and as a source of symbols and allusions in Western culture.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives"] Course Repeatability: Course may not be repeated.

ENG 234 - Literature and Medicine

Course Description:
Study of a broad range of literature from multiple periods, genres, and traditions, examining the representation of illness, health, disability, patients, trauma, and healing, among other topics related to the medical humanities.
Credit Hours: 3 Prerequisite Courses:

Prerequisite or corequisite: ENG 103 or ENG 201 , or consent of instructor.
University Studies: ["Approaches and Perspectives: Aesthetic, Interpretive, and Literacy Perspectives", "Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated. Additional Course Fees: ["None"]

ENG 286 - Critical Theory and Practice

Course Description:
An introduction to representative twentieth- and twentieth-first-century literary theories and practice in applying them to various texts.
Credit Hours: 3 Prerequisite Courses:
Prerequisite or corequisite: ENG 103 or ENG 201 , or consent of instructor. ENG 205 is strongly recommended.
Additional Restrictions/Requirements:
It is strongly recommended that students complete ENG 286 within the first 18 credits of the major.
Course Repeatability: Course may not be repeated

ENG 290 - Themes in Literature

Course Description:
An interdisciplinary study of a significant theme, such as war and peace, justice, love, youth and age, focusing primarily on literary works but also drawing on sources from other fields, including art, music, and history. May be repeated under a different subtitle.
Credit Hours: 3 Prerequisite Courses:
Prerequisite or corequisite:ENG 103 or ENG 201 , or consent of instructor.
University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives", "Building Competencies/Writing Intensive"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

ENG 301 - International Journalism

Course Description:
Study of news practices across borders and within different regional contexts. Themes include foreign correspondence, news flows, and media's relationship to globalization and development.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

ENG 302 - Journalism Workshop

Course Description:

Continuation of ENG 202 . Focus is on gathering news from various community and campus sources and writing in news style under deadline pressure. Also included: some attention to feature and editorial writing.

Credit Hours: 3 Prerequisite Courses:

ENG 202

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated.

ENG 303 - Reading and Writing Arguments

Course Description:

Instruction in rhetorical principles and their use in both analyzing and constructing persuasive texts.

Credit Hours: 3 University Studies: ["Building Competencies/Writing Intensive", "Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated.

ENG 304 - Writing for Teachers

Course Description:

Introduction to theories of composing, rhetoric, assessment, and literacy pedagogy for prospective teachers. Emphasis on analyzing student texts and engaging in various writing projects appropriate for professional development.

Credit Hours: 3 Prerequisite Courses:

ENG 103 or ENG 200 [Inactive] or ENG 201

Course Repeatability: Course may not be repeated.

ENG 305 - Professional Review Writing

Course Description:

Critical and analytical writing intended for publication in newspapers, magazines, and journals.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives", "Building Competencies/Writing Intensive", "Explorations Beyond the

Classroom"] Course Repeatability: Course may not be repeated.

ENG 306 - Essay Writing

Course Description:

Instruction in the genre and craft of the essay, with emphasis on the use of close observation, research, and reflection.

Credit Hours: 3 University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

ENG 307 - Composition Theory

Course Description:

Explores the most current ideas about writers and writing by considering various theoretical lenses in the field. Examines topics such as the multiple stages of compositing, genre conventions, and the role of revision.

Credit Hours: 3 Prerequisite Courses:

ENG 103 or ENG 200 [Inactive] or ENG 201

Course Repeatability: Course may not be repeated.

ENG 308 - Grant and Proposal Writing

Course Description:

Study of grant and proposal writing for use in non-profit organizations, educational settings, and businesses. Emphasis on research methods, planning, developing funding relationships, and writing collaboratively. Includes a service-learning component.

Credit Hours: 3 University Studies: ["Building Competencies/Writing Intensive", "Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated.

ENG 309 - Technical Editing

Course Description:

Focus on the fundamentals of effective writing, organization, and design in order to develop the language and proficiencies necessary to edit print and digital texts used in a range of organizations.

Credit Hours: 3 Prerequisite Courses:

Prerequisite or corequisite: ENG 204 , or consent of instructor.

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.
University Studies: ["Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated.

ENG 310 - Editing for Journalism and Mass Media

Course Description:
Instruction in revising, editing and copy editing. Techniques and strategies for getting prose ready for publication. Extensive practice in editing.
Credit Hours: 3 Prerequisite Courses:
Prerequisite or corequisite: ENG 204 , or consent of instructor.
Additional Restrictions/Requirements:
Prerequisite course or consent of instructor.
University Studies: ["Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

ENG 311 - Professional Magazine Writing

Course Description:
Writing of nonfiction prose intended for publication in newspapers, magazines, and journals.
Credit Hours: 3 Prerequisite Courses:
Prerequisite or corequisite: ENG 202 , or consent of instructor.
Course Repeatability: Course may not be repeated.

ENG 312 - Writing Strategies for Business and Innovation

Course Description:
Advanced exploration of research and writing skills needed to plan and design texts for diverse audiences within organizational contexts. Projects include business plans, proposals, reports, and other genres developed using a variety of media. Includes instruction in graphically representing data and using social media for research and/or outreach.
Credit Hours: 3 University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

ENG 313 - Writing About Science, Medicine, and the Environment

Course Description:

Exploration of scientific discourse focusing on analyzing scientific texts and rewriting scientific and technical information for a variety of audiences. Includes the development of relevant research skills.

Credit Hours: 3 University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

ENG 314 - Digital Composing

Course Description:

Study of the intersection between writing and technology, including Web page creation, documentation, usability, desktop publishing, and the use of graphics with text.

Credit Hours: 3 Prerequisite Courses:

ENG 204 or ENG 205 or permission of instructor.

University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

ENG 315 - Topics in Writing and Rhetoric

Course Description:

A focused study of a theme, issue, or genre in writing or rhetoric.

Credit Hours: 3 University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Repeat Limit: 1

ENG 316 - Analyzing Style

Course Description:

Analysis of written style, emphasizing rhetorical principles and textual features. Application of stylistic principles in the creation of written texts.

Credit Hours: 3 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

ENG 317 - Writing about Film

Course Description:

Instruction and practice in the techniques of writing essays about film. Writing assignments might include reviews, features, scholarly articles or theoretical essays.

Credit Hours: 3 Prerequisite Courses:

Prerequisite or corequisite FST 205 ; or prerequisite: ENG 204 , or consent of instructor.
University Studies: ["Building Competencies/Writing Intensive"] Crosslisting:
FST 317
Course Repeatability: Course may not be repeated.

ENG 318 - Writing and Activism

Course Description:
Study of visual and textual elements of documents generated in the service of activist causes. Themes may include propaganda, grassroots and electronic activism, and the negotiation of power.
Credit Hours: 3 University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

ENG 319 - Document Design

Course Description:
Study of effective design of print and electronic documents. Emphasis on browsing patterns, usability, the interaction of text and graphics, and visual rhetoric. Includes a service-learning component.
Credit Hours: 3 Prerequisite Courses:
Prerequisite or corequisite: ENG 204 , or consent of instructor.
University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

ENG 320 - Introduction to Linguistics

Course Description:
An introduction to the study of human language, including such topics as the sounds, structure, and meaning of language; language and social interaction; the ways languages change; and the ways children learn language.
Credit Hours: 3 University Studies: ["Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated.

ENG 321 - Structure of the English Language

Course Description:
Study of the grammatical structure of the English language and the process by

which we create and comprehend English sentences. Emphasis on recent syntactic models.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

ENG 322 - Language and Meaning

Course Description:
Study of factors that shape meaning in verbal and nonverbal communication. Topics may include the language of persuasion, propaganda, and prejudice; language and culture; conversation and logic; and vernacular languages.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

ENG 323 - History of the English Language

Course Description:
The development of the English language from Old English to the present; changes in sounds, vocabulary, syntax, meaning, and spelling; formation of American dialects.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

ENG 324 - Topics in Linguistics

Course Description:
The study of a selected topic in human language. Content varies from semester to semester. May be repeated under a different subtitle.
Credit Hours: 3 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

ENG 325 - Studies in Sociolinguistics

Course Description:
ENG 204 or ENG 205 recommended but not required. An examination of the way language varies according to social characteristics such as age, gender, ethnicity, class, individual style, social networks, and language attitudes.
Credit Hours: 3 Prerequisite Courses:
ENG 103 or ENG 200 [Inactive] or ENG 201
Course Repeatability: Course may not be repeated.

ENG 326 - Writing with Artificial Intelligence

Course Description:

Introduction to the intersection of Artificial Intelligence (AI), writing, and content operations within the field of professional writing. Explores the fundamentals of AI and its application in automating and optimizing the content creation and distribution process.

University Studies: ["Building Competencies/Writing Intensive", "Critical Reasoning"] Course Repeatability: Course may not be repeated.

ENG 330 - The Age of Chaucer

Course Description:

A survey of works written in medieval England. Includes selections from The Canterbury Tales and Chaucer's other works, and representative works in such genres as chronicle, biography, epic, romance, dream vision, and drama.

Credit Hours: 3 Prerequisite Courses:

Prerequisite or corequisite: ENG 103 or ENG 201 , or consent of instructor. ENG 205 is strongly recommended.

Course Repeatability: Course may not be repeated.

ENG 331 - The Age of Elizabeth

Course Description:

English literature of the sixteenth and early seventeenth centuries. Includes poetry by Spenser and Shakespeare, plays by Marlowe and Jonson, and prose by More and Sidney.

Credit Hours: 3 Prerequisite Courses:

Prerequisite or corequisite: ENG 103 or ENG 201 , or consent of instructor. ENG 205 is strongly recommended.

Course Repeatability: Course may not be repeated

ENG 332 - Shakespeare's Early Plays and Poems

Course Description:

Study of selected plays written before 1600 and selected poems. Includes tragedies, comedies, and histories.

Credit Hours: 3 Prerequisite Courses:

Prerequisite or corequisite: ENG 103 or ENG 201 , or consent of instructor. ENG 205 is strongly recommended.

Course Repeatability: Course may not be repeated.

ENG 333 - Shakespeare's Later Plays

Course Description:

A study of selected plays written after 1600. Includes tragedies, comedies, and histories.

Credit Hours: 3 Prerequisite Courses:

Prerequisite or corequisite: ENG 103 or ENG 201 , or consent of instructor. ENG 205 is strongly recommended.

Course Repeatability: Course may not be repeated.

ENG 334 - The Age of Milton

Course Description:

Emphasis on the works of Milton. May include works by such writers as Donne, Herbert, and Bacon.

Credit Hours: 3 Prerequisite Courses:

Prerequisite or corequisite: ENG 103 or ENG 201 , or consent of instructor. ENG 205 is strongly recommended.

Course Repeatability: Course may not be repeated.

ENG 335 - Restoration and Eighteenth Century Literature

Course Description:

Study of representative texts written between 1660 and 1800, which may include such genres as the early novel, the comedy of manners, and the political satire.

Credit Hours: 3 Prerequisite Courses:

Prerequisite or corequisite: ENG 103 or ENG 201 , or consent of instructor. ENG 205 is strongly recommended.

Course Repeatability: Course may not be repeated.

ENG 336 - British Romanticism

Course Description:

Study of representative texts from the Romantic period, 1780-1830. Emphasis may focus on historical and political contexts and/or development of aesthetic tradition. May include such writers as Wollstonecraft, Blake, Wordsworth, Coleridge, the Shelleys, Austen, and Keats.
Credit Hours: 3 Prerequisite Courses:
Prerequisite or corequisite: ENG 103 or ENG 201 , or consent of instructor. ENG 205 is strongly recommended.
Course Repeatability: Course may not be repeated.

ENG 337 - Victorian Literature

Course Description:
Study of representative texts from the Victorian era, 1830-1900, against the historical and cultural backdrop of urbanization, industrialism, and the rise of the British Empire. May include writers such as Tennyson, the Brownings, Arnold, the pre-Raphaelites, Dickens, Eliot, and Gaskell.
Credit Hours: 3 Prerequisite Courses:
Prerequisite or corequisite: ENG 103 or ENG 201 , or consent of instructor. ENG 205 is strongly recommended.
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

ENG 338 - British Modernism

Course Description:
Study of a broad range of writings from the first half of the twentieth century. May include writers such as Conrad, Lawrence, Joyce, Woolf, Yeats, Shaw, and Auden.
Credit Hours: 3 Prerequisite Courses:
Prerequisite or corequisite: ENG 103 or ENG 201 , or consent of instructor. ENG 205 is strongly recommended.
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

ENG 340 - Multiculturalism and Literature

Course Description:
Multicultural literatures within and outside of the United States, such as African and African American, Asian and Asian American, and Latin American and Latino literature; introduction to contemporary perspectives on multiculturalism.
Credit Hours: 3 Prerequisite Courses:

Prerequisite or corequisite: ENG 103 or ENG 201 , or consent of instructor. ENG 205 is strongly recommended.
Course Repeatability: Course may not be repeated.

ENG 341 - Studies in the Global South

Course Description:
Study of literature, cultural practices, politics, and concepts related to the Global South, with an emphasis on Latin America, South Asia, Africa, the Caribbean, and possible reverberations/intersections in the US South.
Credit Hours: 3 Prerequisite Courses:
Prerequisite or corequisite: ENG 103 or ENG 201 , or consent of instructor. ENG 205 is strongly recommended.
University Studies: ["Approaches and Perspectives/Living in a Global Society"] Course Repeatability: Course may not be repeated.

ENG 342 - Transnational Literatures

Course Description:
Study of a topic in transnational literatures. Courses focus literary and cultural production across multiple geographical locations and historical periods. Courses place a particular emphasis on the circumstances that shape the interrelations between diverse cultural practices.
Credit Hours: 3 Prerequisite Courses:
Prerequisite or corequisite: ENG 103 or ENG 201 , or consent of instructor. ENG 205 is strongly recommended.
University Studies: ["Approaches and Perspectives/Living in a Global Society"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

ENG 344 - Latino Voices in American Literature

Course Description:
ENG 204 or ENG 205 recommended but not required. Study of literature that reflects the Latino heritage of American-born writers or immigrants to the U.S. who write in English. May include such authors as Sandra Cisneros, Richard Rodriguez, Cristina Garcia, Ilan Stevens, Julia Alvarez, and Oscar Hijnelos.
Credit Hours: 3 Prerequisite Courses:
Prerequisite or corequisite: ENG 103 or ENG 201 , or consent of instructor. ENG

205 is strongly recommended.
University Studies: ["Approaches and Perspectives/Living in Our Diverse Nation"] Course Repeatability: Course may not be repeated.

ENG 349 - Early American Literature

Course Description:
Study of major authors and texts in American literature before 1830, focusing on the colonial and early national periods.
Credit Hours: 3 Prerequisite Courses:
Prerequisite or corequisite: ENG 103 or ENG 201 , or consent of instructor. ENG 205 is strongly recommended.
Course Repeatability: Course may not be repeated.

ENG 350 - American Romanticism

Course Description:
Study of the major writers, 1820-1865, whose works fashioned a national literary identity known as the American Renaissance. May include such writers as Emerson, Thoreau, Hawthorne, Poe, Whitman, and Melville.
Credit Hours: 3 Prerequisite Courses:
Prerequisite or corequisite: ENG 103 or ENG 201 , or consent of instructor. ENG 205 is strongly recommended.
Course Repeatability: Course may not be repeated.

ENG 351 - American Realism

Course Description:
Studies of major writers in the period of emerging industrialism and urbanization after the Civil War. May include such writers as Howells, Twain, James, Wharton, Crane, Cather, and Dreiser.
Credit Hours: 3 Prerequisite Courses:
Prerequisite or corequisite: ENG 103 or ENG 201 , or consent of instructor. ENG 205 is strongly recommended.
Course Repeatability: Course may not be repeated.

ENG 352 - American Modernism

Course Description:

Study of a broad range of writings from the first half of the twentieth century. May Include such writers as Eliot, Pound, Stevens, O'Neill, Hemingway, Fitzgerald, Porter, Faulkner, and Hurston.

Credit Hours: 3 Prerequisite Courses:

Prerequisite or corequisite: ENG 103 or ENG 201 , or consent of instructor. ENG 205 is strongly recommended.

Course Repeatability: Course may not be repeated.

ENG 353 - Southern American Literature

Course Description:

Study of representative Southern writers from the nineteenth and/or twenty-first centuries. May include such writers as Welty, O'Connor, Faulkner, Ellison, Percy, and Williams.

Credit Hours: 3 Prerequisite Courses:

Prerequisite or corequisite: ENG 103 or ENG 201 , or consent of instructor. ENG 205 is strongly recommended.

Course Repeatability: Course may not be repeated.

ENG 354 - North Carolina Writers

Credit Hours: 3 Prerequisite Courses:

Prerequisite Courses: ENG 103 or ENG 200 or ENG 201

Additional Restrictions/Requirements:

ENG 204 or ENG 205 recommended but not required.

Course Repeatability: Course may not be repeated

ENG 355 - American Multicultural Literature

Credit Hours: 3 Prerequisite Courses:

ENG 103 or ENG 201

Additional Restrictions/Requirements:

ENG 204 or ENG 205 recommended but not required.

University Studies: ["Approaches and Perspectives/Living in Our Diverse Nation"] Course Repeatability: Course may not be repeated

ENG 356 - Indigenous American Literature

Course Description:

Study of past and present literatures of various Indigenous peoples of the Americas. May include oral traditions, tales, poetry, fiction, drama, and song, as well as more recent engagements with digital and electronic media.

Credit Hours: 3 Prerequisite Courses:

Prerequisite or corequisite: ENG 103 or ENG 201 , or consent of instructor. ENG 205 is strongly recommended.

University Studies: ["Approaches and Perspectives/Living in Our Diverse Nation"] Course Repeatability: Course may not be repeated.

ENG 357 - African American Literary Tradition to 1945

Course Description:

In-depth exploration of the African American literary tradition from its beginning to 1945.

Credit Hours: 3 Prerequisite Courses:

Prerequisite or corequisite: ENG 103 or ENG 201 , or consent of instructor. ENG 205 is strongly recommended.

University Studies: ["Approaches and Perspectives/Living in Our Diverse Nation"] Course Repeatability: Course may not be repeated.

ENG 358 - African American Literary Tradition Since 1945

Course Description:

In-depth exploration of the African American literary tradition since 1945.

Credit Hours: 3 Prerequisite Courses:

Prerequisite or corequisite: ENG 103 or ENG 201 , or consent of instructor. ENG 205 is strongly recommended.

University Studies: ["Approaches and Perspectives/Living in Our Diverse Nation"] Course Repeatability: Course may not be repeated.

ENG 359 - World Indigenous Literature and Film

Course Description:

Study of past and present literatures and film produced by various indigneous peoples from outside the United States.

Credit Hours: 3 Prerequisite Courses:

Prerequisite or corequisite: ENG 103 or ENG 201 , or consent of instructor. ENG

205 is strongly recommended.
University Studies: ["Approaches and Perspectives/Living in a Global Society"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

ENG 361 - Studies in Short Fiction

Course Description:
A study of the short story and novella, with emphasis on the structural features and historical development of these genres. Works from one or more periods, writers, and traditions. May be repeated under a different subtitle.
Credit Hours: 3 Prerequisite Courses:
Prerequisite or corequisite: ENG 103 or ENG 201 , or consent of instructor. ENG 205 is strongly recommended.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

ENG 362 - Studies in the Novel

Course Description:
An in-depth exploration of the novel as a genre. Works may be from a variety of periods, writers, and traditions. May be repeated under a different subtitle.
Credit Hours: 3 Prerequisite Courses:
Prerequisite or corequisite:ENG 103 or ENG 201 , or consent of instructor. ENG 205 is strongly recommended.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

ENG 363 - Studies in Nonfiction

Course Description:
Types of nonfiction prose, including biography, autobiography, memoirs, journals, and various essay forms. Works from a variety of periods, writers, and traditions. May be repeated under a different subtitle.
Credit Hours: 3 Prerequisite Courses:
Prerequisite or corequisite: ENG 103 or ENG 201 , or consent of instructor. ENG 205 is strongly recommended.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

ENG 364 - Studies in Poetry

Course Description:

An in-depth study of poetry with emphasis on form, style, and interpretation. Poems from a variety of periods, writers, and traditions. May be repeated under a different subtitle.

Credit Hours: 3 Prerequisite Courses:

Prerequisite or corequisite: ENG 103 or ENG 201 , or consent of instructor. ENG 205 is strongly recommended.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

ENG 365 - Studies in Drama

Course Description:

A variety of plays representing tragedy, comedy, and modern forms. Works from a variety of periods, authors, and traditions with some attention to dramatic criticism. May be repeated under a different subtitle.

Credit Hours: 3 Prerequisite Courses:

Prerequisite or corequisite: ENG 103 or ENG 201 , or consent of instructor. ENG 205 is strongly recommended.

Crosslisting:

THR 365

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

ENG 367 - Digital Humanities Applications

Course Description:

Project-based exploration of a real world problem (social, cultural, interpretive/aesthetic). Students conduct primary and/or secondary research using digital and non-digital methods and present findings using a relevant digital medium that aligns with the project's values, goals, and audience.

Prerequisite Courses:

ENG 104

Course Repeatability: Course may not be repeated.

ENG 369 - Twenty-First Century Literature

Course Description:

In-depth exploration of literature in a variety of genres (fiction, poetry, drama, and non-fiction) produced in the twenty-first century. Works may be selected from

multiple writers, nations, and traditions.
Credit Hours: 3 Prerequisite Courses:
Prerequisite or corequisite: ENG 103 or ENG 201 , or consent of instructor. ENG 205 is strongly recommended.
Course Repeatability: Course may not be repeated.

ENG 370 - European Literature to 1900

Course Description:
A study of representative writers of Europe prior to 1900, such as Boccaccio, Cervantes, LaFayette, Goethe, and Flaubert.
Credit Hours: 3 Prerequisite Courses:
Prerequisite or corequisite: ENG 103 or ENG 201 , or consent of instructor. ENG 205 is strongly recommended.
University Studies: ["Approaches and Perspectives/Living in a Global Society"] Course Repeatability: Course may not be repeated.

ENG 371 - European Literature Since 1900

Course Description:
A study of representative writers of Europe after 1900. May include such writers as Hesse, Brecht, Camus, Sartre, and Lorca.
Credit Hours: 3 Prerequisite Courses:
Prerequisite or corequisite: ENG 103 or ENG 201 , or consent of instructor. ENG 205 is strongly recommended.
University Studies: ["Approaches and Perspectives/Living in a Global Society"] Course Repeatability: Course may not be repeated.

ENG 372 - Postmodern Literature

Course Description:
Study of a broad range of literature in a variety of genres from the postmodern period (1945 to 2001). Possible authors may include John Ashbery, Margaret Atwood, Toni Morrison, Alice Notley, Thomas Pynchon, Vladimir Nabokov, and Salmon Rushdie.
Credit Hours: 3 Prerequisite Courses:
Prerequisite or corequisite: ENG 103 or ENG 201 , or consent of instructor. ENG 205 is strongly recommended.

Course Repeatability: Course may not be repeated.

ENG 373 - Women's Literary Traditions

Course Description:
Study of gender issues, themes, and character portrayal in literature by women, as well as consideration of the ways in which women writers both follow and challenge literary conventions. May be repeated under a different subtitle.
Credit Hours: 3 Prerequisite Courses:
Prerequisite or corequisite: ENG 103 or ENG 201 , or consent of instructor. ENG 205 is strongly recommended.
University Studies: ["Approaches and Perspectives/Living in Our Diverse Nation"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

ENG 374 - Twentieth-Century American and British Poetry

Course Description:
Study of major authors, texts, forms, styles, and movements in twentieth-century American and British poetry.
Credit Hours: 3 Prerequisite Courses:
Prerequisite or corequisite: ENG 103 or ENG 201 , or consent of instructor. ENG 205 is strongly recommended.
Course Repeatability: Course may not be repeated.

ENG 375 - American and British Poetry Since 1945

Credit Hours: 3 Prerequisite Courses:
ENG 103 or ENG 200 or ENG 201
Additional Restrictions/Requirements:
ENG 204 or ENG 205 recommended but not required.
Course Repeatability: Course may not be repeated

ENG 376 - Environmental Literature

Course Description:
Study of a broad range of literature from multiple periods and genres, examining how humans define and engage the environment in terms of aesthetics and imagination, politics and policy, culture and identity, religion and science, and

conservation and sustainability.
Credit Hours: 3 Prerequisite Courses:
Prerequisite or corequisite: ENG 103 or ENG 201 , or consent of instructor. ENG 205 is strongly recommended.
University Studies: ["Building Competencies: Writing Intensive"] Course Repeatability: Course may not be repeated.

ENG 377 - Queer Literature

Course Description:
In-depth exploration of queer identities, experiences, and narrative forms. Will include historical as well as contemporary narratives, queer history and culture, queer and trans theory, and a variety of genres.
Credit Hours: 3 Prerequisite Courses:
Prerequisite or corequisite: ENG 103 or ENG 201 , or consent of instructor. ENG 205 is strongly recommended.
University Studies: ["Building Competencies: Writing Intensive"] Course Repeatability: Course may not be repeated.

ENG 378 - Film and Literature

Course Description:
Study of the theory and practice of adapting literature into film as well as the formal, historical, social, and technological relationships between writing and filmmaking.
Credit Hours: 3 Prerequisite Courses:
Prerequisite or corequisite: ENG 103 or ENG 201 , or consent of instructor. ENG 205 is strongly recommended.
University Studies: ["Building Competencies: Writing Intensive"] Course Repeatability: Course may not be repeated.

ENG 379 - Comics and Graphic Narratives

Course Description:
Study of the medium of comics, with emphasis on formal, historical, and theoretical approaches to understanding and interpreting comic books, cartoons, and other types of graphic narrative.
Credit Hours: 3 Prerequisite Courses:
Prerequisite or corequisite: ENG 103 or ENG 201 , or consent of instructor. ENG

205 is strongly recommended.
University Studies: ["Building Competencies: Writing Intensive"] Course Repeatability: Course may not be repeated.

ENG 380 - Literature for Children

Course Description:
An advanced study of critical approaches to children's literature of various genres. Intended for anyone interested in children's literature and children's culture(s) as well as for future teachers.
Credit Hours: 3 Prerequisite Courses:
Prerequisite or corequisite: ENG 103 or ENG 201 , or consent of instructor. ENG 205 is strongly recommended.
Course Repeatability: Course may not be repeated.

ENG 381 - Literature for Young Adults

Course Description:
Advanced examination of literature for adolescents. Intended for anyone interested in adolescent literature and adolescent culture as well as for future teachers.
Credit Hours: 3 Prerequisite Courses:
Prerequisite or corequisite: ENG 103 or ENG 201 , or consent of instructor. ENG 205 is strongly recommended.
Course Repeatability: Course may not be repeated.

ENG 382 - Ways of Teaching Literature

Course Description:
A survey of written, oral, visual, and dramatic responses to literary texts. Response-based approaches to the study of literature appropriate for middle and secondary teaching.
Credit Hours: 3 Prerequisite Courses:
Prerequisite or corequisite: ENG 103 or ENG 201 , or consent of instructor. ENG 205 is strongly recommended.
Course Repeatability: Course may not be repeated.

ENG 383 - Classics Reconsidered

Course Description:
Study of classic works of poetry, fiction, and drama commonly taught in high school English classes. Includes an examination of what constitutes a literary 'classic,' who labels classics, and how the social status of certain literary works influences what is commonly taught in high school English classes. Especially recommended for prospective teachers.
Credit Hours: 3 Prerequisite Courses:
Prerequisite or corequisite ENG 103 or ENG 201 , or consent of instructor. ENG 205 is strongly recommended.
Course Repeatability: Course may not be repeated.

ENG 384 - Studies in Popular Culture

Course Description:
Critical study of popular culture as an aesthetic and economic phenomenon that plays an integral role in everyday life. Includes a variety of primary texts in multiple media forms (which may include fiction, film, music, and television) as well as readings in cultural and critical theory.
Credit Hours: 3 Prerequisite Courses:
Prerequisite or corequisite: ENG 103 or ENG 201 , or consent of instructor. ENG 205 is strongly recommended.
Course Repeatability: Course may not be repeated

ENG 385 - Multicultural Young Adult Literature

Course Description:
Advanced examination of multicultural literature for adolescents.
Credit Hours: 3 Prerequisite Courses:
Prerequisite or corequisite: ENG 103 or ENG 201 , or consent of instructor. ENG 205 is strongly recommended.
University Studies: ["Approaches and Perspectives/Living in Our Diverse Nation"] Course Repeatability: Course may not be repeated.

ENG 388 - Rhetorical Theory to 1900

Course Description:
Survey of major theories in rhetoric as they apply to written discourse from classical era to the end of the nineteenth century.

Credit Hours: 3 Prerequisite Courses:

Prerequisite or corequisite: ENG 204 or ENG 205 , or consent of instructor.

University Studies: ["Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated.

ENG 389 - Rhetorical Theory since 1900

Course Description:

Survey of major theories in rhetoric as they apply to written discourse from the start of the twentieth century to the present.

Credit Hours: 3 Prerequisite Courses:

Prerequisite or corequisite: ENG 204 or ENG 205 , or consent of instructor.

University Studies: ["Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated.

ENG 390 - Studies in Literature

Course Description:

A selected literary theme, movement, period, influence, or genre. May be repeated under a different subtitle.

Credit Hours: 3 Prerequisite Courses:

Prerequisite or corequisite: ENG 103 or ENG 201 , or consent of instructor. ENG 205 is strongly recommended.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

ENG 391 - Science Fiction and Fantasy

Course Description:

An in-depth exploration of the science fiction and fantasy genres. Works may be selected from a variety of writers, periods, nations, and traditions.

Credit Hours: 3 Prerequisite Courses:

Prerequisite or corequisite: ENG 103 or ENG 201 , or consent of instructor. ENG 205 is strongly recommended.

University Studies: ["Building Competencies: Writing Intensive"] Course Repeatability: Course may not be repeated.

ENG 392 - Protest Literature

Course Description:

An in-depth exploration of protest literature as a form of cultural resistance and agent of sociopolitical change. Works may be selected from a variety of writers, periods, nations, and traditions.
Credit Hours: 3 Prerequisite Courses:
Prerequisite or corequisite: ENG 103 or ENG 201 , or consent of instructor. ENG 205 is strongly recommended.
University Studies: ["Building Competencies: Writing Intensive"] Course Repeatability: Course may not be repeated.

ENG 393 - Writing in the Scientific Disciplines

Course Description:
Rigorous introduction to writing for academic science contexts. Critically examines the current state of academic science writing and explores the multiple practical strategies scientists use to communicate in professional settings.
Credit Hours: 3 University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

ENG 395 - Crime Literature

Course Description:
An in-depth exploration of crime literature; may include hardboiled/detective fiction, noir, true crime, and police procedurals from a variety of writers, periods, nations, and traditions.
Credit Hours: 3 Prerequisite Courses:
Prerequisite or corequisite: ENG 103 or ENG 201 , or consent of instructor. ENG 205 is strongly recommended.
University Studies: ["Building Competencies: Writing Intensive"] Course Repeatability: Course may not be repeated.

ENG 396 - Horror Literature

Course Description:
An in-depth exploration of the horror genre in literature, film, and criticism. Works may be selected from a variety of writers, periods, nations, and traditions.
Credit Hours: 3 Prerequisite Courses:
Prerequisite or corequisite: ENG 103 or ENG 201 , or consent of instructor.ENG 205 is strongly recommended.

University Studies: ["Building Competencies: Writing Intensive"] Course Repeatability: Course may not be repeated.

ENG 397 - Sports Literature

Course Description:

An in-depth exploration of sports literature in a variety of genres. Works may be selected from multiple writers, periods, nations, and traditions.

Credit Hours: 3 Prerequisite Courses:

ENG 103 or ENG 201 , or consent of instructor. ENG 205 recommended but not required.

University Studies: ["Building Competencies: Writing Intensive"] Course Repeatability: Course may not be repeated.

ENG 398 - Religion, Spirituality, and Literature

Course Description:

An in-depth exploration of religious and spiritual literature in a variety of genres (poetry, fiction, drama, nonfiction, and sacred text). Works will be selected from multiple writers, periods, nations, and traditions.

Credit Hours: 3 Prerequisite Courses:

Prerequisite or corequisite: ENG 103 or ENG 201 , or consent of instructor. ENG 205 is strongly recommended.

University Studies: ["Building Competencies: Writing Intensive"] Course Repeatability: Course may not be repeated.

ENG 404 - Advanced Professional Writing

Course Description:

Focus on the development of research, analysis, composition, and design strategies needed to complete complex writing projects within organizational contexts and create effective texts for a range of audiences. Topics may include user experience design, search engine optimization, and project management.

Credit Hours: 3 Prerequisite Courses: ENG 314 or ENG 319 Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Repeat Limit: 1

ENG 412 - Writing in Intercultural and Global Contexts

Course Description:

Develops competency in writing within intercultural and global contexts. Focuses on developing critical perspective about cultural concepts and theories in the context of globalization through broader frameworks of discourse, commodities, space, and labor in everyday life.

Credit Hours: 3 University Studies: ["Building Competencies/Writing Intensive, Approaches and Perspectives/Living in a Global Society"] Course Repeatability: Course may not be repeated.

ENG 414 - Writing for the Web

Course Description:

Explores visual rhetoric and new media theories to inform the analysis and production of texts in Web formats. Topics may include writing content for existing Web outlets, markup conventions, search engine optimization, and modification of Content Managment System (CMS) and html/css templates.

Credit Hours: 3 Prerequisite Courses:

ENG 314 or ENG 319

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated.

ENG 417 - Research Methods in Professional Writing

Course Description:

Preparation and practice for applied research projects in the field of professional writing. Focus on both qualitative and quantitative methodologies including rhetorical approaches, ethnomethodologies, discourse analysis, network analysis, and usability.

Credit Hours: 3 University Studies: ["Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated.

ENG 418 - Research Methods in Literary and Cultural Studies

Course Description:

Preparation and practice for research projects in literary and cultural studies. In-

depth study of methodologies, including archival studies, history of the book, biography, interviews, oral history, digital humanities, visual methodologies, and textual analysis.
Credit Hours: 3 Prerequisite Courses:
ENG 205 .
Course Repeatability: Course may not be repeated.

ENG 490 - Topics in Literature

Course Description:
The study of a selected literary theme, movement, period, influence, or genre. May be repeated under a different subtitle.
Credit Hours: 3 Additional Restrictions/Requirements:
Nine hours of literature courses, at least three hours at the 300-400 level, or consent of instructor.
Crosslisting:
ENG 509
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

ENG 491 - Directed Individual Study

Course Description:
Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Study section in this catalogue.
Credit Hours: 1 To 3 Additional Restrictions/Requirements:
Junior or senior standing; nine hours of literature or writing courses (depending on project focus), at least three of which are at the 300-400 level; overall GPA of at least 2.00; and consent of instructor, department chair, and dean.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

ENG 495 - Senior Seminar in Literary and Cultural Studies

Course Description:
Intensive opportunity for research experience under faculty supervision of an author or topic in literature. Emphasis on individualized work, which may include oral reports, a longer research project, and appropriate bibliographic assignments. Required of English majors in the Literature Option; fulfills seminar requirements for

majors in the Teacher Licensure Option. May be repeated under a different subtitle.
Credit Hours: 3 Prerequisite Courses:

ENG 205 .

Additional Restrictions/Requirements:

Prerequisite course, junior or senior standing, and three additional hours in ENG literature or language at the 300-400 level.

University Studies: ["Building Competencies/Writing Intensive", "Critical Reasoning"] Course Repeatability: Course may be repeated Maximum Repeatable Hours: 6 Repeat Limit: 1

ENG 496 - Senior Seminar in Writing/Rhetoric

Course Description:

Intensive study of a theme, issue, or genre in writing/rhetoric. Provides significant student engagement. Required of English majors in Professional Writing Option; fulfills seminar requirement for Teacher Licensure.

Credit Hours: 3 Prerequisite Courses:

ENG 204 or ENG 205

Additional Restrictions/Requirements:

Prerequisite course, junior or senior standing, or consent of instructor.

University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

ENG 498 - Internship in Writing

Course Description:

Minimum GPA applies. Academic training and practical writing experience through work in a private company or public agency. Faculty supervision and evaluation of all study and on-site activity.

Credit Hours: 3 Additional Restrictions/Requirements:

Junior or senior standing and consent of the internship coordinator.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

ENG 499 - Honors Work In English

Course Description:

Independent study for honor students.

Credit Hours: 2 To 3 Additional Restrictions/Requirements:
Eligibility for honors program and nine hours of literature or writing courses (depending on project focus), at least three hours at the 300-400 level.
University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

Department of Film Studies

http://www.uncw.edu/filmstudies
The film studies major prepares students to participate in a world increasingly shaped by moving pictures. The major is founded on the principle that the study of cinema and the artistic production of motion pictures complement one another, and all film studies majors perform substantial work in both areas. Through courses that offer a foundation for understanding cinema—and its relation to culture, history, technology and aesthetics—the film studies major teaches students to create and analyze moving images, to produce research, and to make art.

Academic Gateway Requirements for the Film Studies Major:

Admission to the Film Studies (FST) major is based solely upon a student's grade in FST 200 - Introduction to Film Study, the department's foundational course, which teaches and evaluates skills that students use in all other courses in the Film Studies major. Students who earn a "C" or better in FST 200 will be admitted to the major upon application.
To apply to the FST major, students must first declare a PFST (pre-Film Studies) major. Upon earning a "C" or better in FST 200 , students may then declare the FST major. For purposes of admission to the FST major, the department only credits students' first or second grade in FST 200 (i.e., students may repeat the course once).
Students seeking an internship course in film studies must have a minimum of 12 hours in previous film studies courses, junior or senior standing, and an overall grade-point average of 3.0 or better. To enroll in an internship course, students must submit an application to receive permission from the chair of the Department of Film Studies.

A student in film studies must complete all requirements for the major with an overall 2.00 GPA or better.

Film Studies, B.A.

The film studies major prepares students to participate in a world increasingly shaped by moving pictures. The major is founded on the principle that the study of cinema and the artistic production of motion pictures complement one another, and all film studies majors perform substantial work in both areas. Through courses that offer a foundation for understanding cinema—and its relation to culture, history, technology and aesthetics—the film studies major teaches students to create and analyze moving images, to produce research, and to make art.

FST 110 - Concepts in Film

Course Description:
Introduction to key concepts in film studies and film production. Designed for non-majors in film studies.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12 Repeat Limit: 3

FST 200 - Introduction to Film Study

Course Description:
Introduction to film study, including analysis of cinematography, editing, mise-en-scène, sound, and narrative. Films drawn from various national cinemas, representing diverse styles, periods, and genres. Intended for prospective majors in film studies.
Credit Hours: 4 University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives"] Course Repeatability: Course may not be repeated.

FST 201 - Introduction to Film Production

Course Description:
Study and application of cinematic concepts and techniques. Students complete a series of collaborative exercises exploring narrative, documentary, and experimental

film forms.
Credit Hours: 4 Prerequisite Courses:
Prerequisite or corequisite: FST 200 .
Additional Restrictions/Requirements:
Restricted to PFST or FST majors.
University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated. Additional Fees Link:
Additional Course Fee Schedule
Major Restriction: Pre-Film Studies or Film Studies

FST 204 - The Business of Film

Course Description:
Introduction to business aspects of the motion picture industry, including the life cycle of a film product from development through distribution and marketing. Emphasis on decisions regarding creative development, financing, legal issues, budgeting, scheduling, marketing, and exhibition.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

FST 205 - Introduction to World Cinema

Course Description:
Survey of key tendencies in international cinema from the silent era to the present. Case studies include films from Europe, the Soviet Union, Asia, Africa, and the Americas, examined within their historical contexts.
Credit Hours: 3 Prerequisite Courses:
FST 200
Additional Restrictions/Requirements:
Restricted to FST majors.
University Studies: ["Living in a Global Society"] Course Repeatability: Course may not be repeated.

FST 210 - Moviemakers and Scholars Series

Course Description:
This course is designed to teach students a variety of perspectives on filmmaking and film studies. Combining presentations by local and visiting filmmakers with lectures and film screenings conducted by film scholars, the course introduces

students to a wide variety of film styles, film scholarship, and professions in the industry.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives"] Course Repeatability: Course may not be repeated.

FST 220 - 3-D Computer Graphics Tools and Literacy

Course Description:
Project-based approach to learning fundamental principles of 3-D computer graphics using high-level software tools. Modeling of objects, geometrical transformations, surface algorithms, lighting and shading, alternative rendering techniques, and providing background skills necessary to create animated movies.
Credit Hours: 3 Prerequisite Courses:
Prerequisite: CSC 112 or CSC 131 . Prerequisite or corequisite: ART 260 or ART 282 .
Additional Restrictions/Requirements:
Prerequisite course or consent of instructor.
Crosslisting:
ART 220 , CSC 220
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 3

FST 230 - Women in Film

Course Description:
Survey and analysis of films by women filmmakers throughout the world. Diverse film styles, periods, and genres will be represented. Screening and discussion of cinematic works in their original language with English subtitles when needed.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives"] Crosslisting:
WLC 230 , WGS 230
Course Repeatability: Course may not be repeated.

FST 301 - Film Tools and Techniques

Course Description:
Instruction in the techniques and technologies of digital filmmaking, including camera, lenses, lighting, grip, sound, and set protocol.
Credit Hours: 3 Prerequisite Courses:

FST 201

Additional Restrictions/Requirements:

Restricted to FST majors, or consent of instructor.

Course Repeatability: Course may not be repeated. Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

FST 302 - Intermediate Film Production

Course Description:

A comprehensive practicum in motion picture preproduction, production, and post-production, concentrating on documentary, narrative or experimental cinema. May be repeated under different subtitles.

Credit Hours: 3 Prerequisite Courses:

FST 201

Additional Restrictions/Requirements:

Restricted to FST majors or consent of instructor.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

FST 304 - Legal Issues in Film and Entertainment Law

Course Description:

Study of the legal issues impacting the film and entertainment industry, including the legal aspects of business organization, contracts, torts, agency, employment law, environmental regulation, and intellectual property rights.

Credit Hours: 3 Additional Restrictions/Requirements:

Junior or senior standing.

Crosslisting:

BLA 304

Course Repeatability: Course may not be repeated.

FST 317 - Writing about Film

Course Description:

Instruction and practice in the techniques of writing essays about film. Writing assignments might include reviews, features, scholarly articles or theoretical essays.

Credit Hours: 3 Prerequisite Courses:

Prerequisite or corequisite:FST 205 ; or prerequisite: ENG 204 ; or permission of instructor.
University Studies: ["Building Competencies/Writing Intensive"] Crosslisting:
ENG 317
Course Repeatability: Course may not be repeated.

FST 318 - Screenwriting I: Introduction to Screenwriting

Course Description:
Theory and practice of screenwriting with an emphasis on the fundamentals of narrative structure. Students write original scripts, including a short screenplay for possible use in FST 495 .
Credit Hours: 3 Prerequisite Courses:
Prerequisite or corequisite: FST 201 ; or CRW 207 or CRW 208 or CRW 209 .
Additional Restrictions/Requirements:
Restricted to FST majors, PCRW or CRW majors, or consent of instructor.
Crosslisting:
CRW 318
Course Repeatability: Course may not be repeated.

FST 320 - Computer Animation

Course Description:
Basic principles of animation using 3-D computer-generated animation and basic processes for animating synthetic objects through structured exercises. Principles of designing and producing 3-D computer-generated animation through the creation of advanced motion studies. Projects focus on developing higher-level skills in model building, animation and color, and lighting.
Credit Hours: 3 Prerequisite Courses: FST 220 Additional Restrictions/Requirements:
Prerequisite course or consent of instructor.
Crosslisting:
ART 320 , CSC 320
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 3

FST 330 - Producing

Course Description:
Focuses on duties of a producer through a project "life cycle": development,

financing, pre-production, production, post-production, marketing, and distribution. Emphasizes production management, budgeting, and scheduling. May be repeated under a different subtitle.

Credit Hours: 3 Prerequisite Courses:

FST 201

Additional Restrictions/Requirements:

Restricted to FST majors or consent of instructor.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

FST 331 - Introduction to Editing

Course Description:

An introduction to the techniques and aesthetics of non-linear motion picture editing.

Credit Hours: 3 Prerequisite Courses:

Prerequisite or corequisite: FST 201 , or permission of instructor.

Course Repeatability: Course may not be repeated. Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

FST 334 - 6x1: Variations on the One-Minute Film

Course Description:

Instruction and practice in alternative/experimental forms of filmmaking (16mm hand-processing, stop motion animation, cameraless filmmaking, and collage) through the creation of six 1-minute projects.

Credit Hours: 3 Prerequisite Courses:

Prerequisite or corequisite: FST 201 , or permission of instructor.

Course Repeatability: Course may not be repeated. Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

FST 335 - Acting for the Camera

Course Description:

Explores acting techniques particular to the mediums of film and video.

Credit Hours: 3 Prerequisite Courses:

THR 231 or THR 332

Additional Restrictions/Requirements:

Prerequisite courses or consent of instructor.

Crosslisting:

THR 335

Course Repeatability: Course may not be repeated. Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

FST 340 - Film Music

Course Description:

Introduction to the history and critical interpretation of film music, with a focus on feature-length narrative films. Survey of film scoring styles and evolving sound technologies from the late nineteenth century to the present day.

Credit Hours: 3 Crosslisting:

MUS 340

Course Repeatability: Course may not be repeated.

FST 363 - Producing the Undergraduate Film Magazine

Course Description:

Writing-intensive seminar in which students serve as the editorial board of an internationally distributed undergraduate film magazine.

Credit Hours: 3 Prerequisite Courses:

Prerequisite or corequisite: FST 205 , or permission of instructor.

University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

FST 367 - Film Authors

Course Description:

Study of the films of a major producer, director, screenwriter, or other filmmaker, or group of filmmakers. May be repeated under different subtitles.

Credit Hours: 3 Prerequisite Courses:

Prerequisite or corequisite: FST 205 , or permission of instructor.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

FST 368 - Studies in Film Styles and Genres

Course Description:

Study of a film style or genre, such as film noir, the western, or the musical. May be repeated under different subtitles.

Credit Hours: 3 Prerequisite Courses:

Prerequisite or corequisite: FST 205 , or permission of instructor.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

FST 369 - Special Topics in Film Studies

Course Description:

Special topics in film, such as censorship in cinema, women in film, or film and social change. May be repeated under different subtitles.

Credit Hours: 3 Prerequisite Courses:

Prerequisite or corequisite: FST 205 , or permission of instructor.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

FST 370 - Early Cinema

Course Description:

Historical overview of pre-cinema and pre-sound cinema, situating early filmmaking in its technological, stylistic, and critical contexts.

Credit Hours: 3 Prerequisite Courses:

Prerequisite or corequisite: FST 205 , or permission of instructor.

University Studies: ["Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

FST 371 - History of Documentary Film

Course Description:

Historical overview of non-fiction filmmaking. Emphasizes critical approaches to documentary film practices and traditions.

Credit Hours: 3 Prerequisite Courses:

Prequisite or corequisite: FST 205 , or permission of instructor.

University Studies: ["Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

FST 372 - History of Avant-Garde Film

Course Description:

Historical overview emphasizing critical approaches to avant-garde film practices.
Credit Hours: 3 Prerequisite Courses:
Prerequisite or corequisite: FST 205 , or permission of instructor.
University Studies: ["Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

FST 373 - History of Animation

Course Description:
Historical overview of modes, traditions, and theories of animation.
Credit Hours: 3 Prerequisite Courses:
Prerequisite or corequisite: FST 205 , or permission of instructor.
University Studies: ["Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

FST 375 - Studies in Global Film History

Course Description:
Historical overview of an international cinema or a period in global cinema. Teaches approaches to film historiography. May be repeated under different subtitles.
Credit Hours: 3 Prerequisite Courses:
Prerequisite or corequisite: FST 205 , or permission of instructor.
University Studies: ["Building Competencies/Information Literacy"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

FST 376 - American Cinema 1927-1960

Course Description:
History and aesthetics of American cinema from the beginning of sound film until the break-up of the studio system, focusing on the height of the Hollywood studio era. Classical genres and styles, and prominent Hollywood filmmakers.
Credit Hours: 3 Prerequisite Courses:
Prerequisite or corequisite: FST 205 , or permission of instructor.
University Studies: ["Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

FST 377 - American Cinema Since 1961

Course Description:

History and aesthetics of American cinema since the end of the studio era, emphasizing the continuities and breaks with the "Classical Hollywood Cinema."
Credit Hours: 3 Prerequisite Courses:
Prerequisite or corequisite: FST 205 , or consent of instructor.
University Studies: ["Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

FST 378 - History of New Wave Cinemas

Course Description:
Historical overview of New Wave Cinemas, a transnational response to classical filmmaking. Emphasizes critical approaches to New Wave film practices.
Credit Hours: 3 Prerequisite Courses:
Prerequisite or corequisite: FST 205 , or consent of instructor.
University Studies: ["Approaches and Perspectives/Living in a Global Society", "Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

FST 379 - Studies in Film History

Course Description:
Historical overview of a major period in film. Approaches to film historiography. May be repeated under different subtitles.
Credit Hours: 3 Prerequisite Courses:
Prerequisite or corequisite: FST 205 , or permission of instructor.
University Studies: ["Building Competencies/Information Literacy"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

FST 380 - Introduction to Bollywood Cinema

Course Description:
Survey of India's Bollywood cinema from the silent period to the present. Emphasizes historical and critical approaches to Bollywood cinema, as well as studies of censorship, cinephilia, and popular visual culture.
Credit Hours: 3 Prerequisite Courses:
Prerequisite or corequisite: FST 205 , or permission of instructor.
Course Repeatability: Course may not be repeated.

FST 381 - History of Russian and Soviet Cinema

Course Description:
Survey of Russian and Soviet cinema from the 1900s to the present, focusing on Sergei Eisenstein, Dziga Vertov, Andrei Tarkovsky, and other directors, as well as the cultural, political, and economic forces that influenced their films.
Credit Hours: 3 Prerequisite Courses:
Prerequisite or corequisite: FST 205 , or permission of instructor.
University Studies: ["Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

FST 382 - Contemporary Latin American Cinema

Course Description:
Critical examination of the production and distribution of contemporary Latin American film, with an emphasis on film style, genre, economics, and globalization.
Credit Hours: 3 Prerequisite Courses:
Prerequisite or corequisite: FST 205 , or permission of instructor.
University Studies: ["Approaches and Perspectives/Living in a Global Society"] Course Repeatability: Course may not be repeated.

FST 383 - Introduction to Latin American Cinema

Course Description:
Survey of the history and aesthetics of Latin American film, from the "Golden Age" of Mexican cinema to the development of the New Latin American Cinema of the 1960s, up to more recent work of the contemporary renaissance.
Credit Hours: 3 Prerequisite Courses:
Prerequisite or corequisite: FST 205 , or permission of instructor.
University Studies: ["Approaches and Perspectives/Living in a Global Society"] Course Repeatability: Course may not be repeated.

FST 384 - Contemporary French Cinema

Course Description:
Recent tendencies in French cinema, including new filmmakers, movements, genres, critical approaches, theories, formats, and filmmaking styles.
Credit Hours: 3 Prerequisite Courses:
Prerequisite or corequisite: FST 205 , or permission of instructor.
Course Repeatability: Course may not be repeated.

FST 385 - Japanese Cinema

Course Description:

Japanese cinema from the classical period to the present day. Emphasizes critical and historical approaches to Japanese cinema, as well as studies of key filmmakers, including Kurosawa, Mizoguchi, Ozu, Suzuki, and Kitano.

Credit Hours: 3 Prerequisite Courses:

Prerequisite or corequisite: FST 205 , or permission of instructor.

Course Repeatability: Course may not be repeated.

FST 386 - Introduction to German Cinema

Course Description:

Analysis of films from the "Golden Age" of the Weimar Republic, the Third Reich, the New Wave, East German films, and current German and Austrian cinema. Works by Lang, Riefenstahl, Wenders, Reitz, Fassbinder, von Trotta, and recent films.

Credit Hours: 3 Additional Restrictions/Requirements:

Restricted to FST majors or consent of instructor.

Crosslisting:

GER 385 [Inactive]

Course Repeatability: Course may not be repeated.

FST 387 - Introduction to French Cinema

Course Description:

Analysis of selected films from the silent era to the present, including the classical period, the New Wave, Francophone cinema, and recent French cinema, situated in their historical contexts.

Credit Hours: 3 Prerequisite Courses:

Prerequisite or corequisite: FST 205 , or permission of instructor.

Course Repeatability: Course may not be repeated.

FST 388 - Introduction to Spanish Cinema

Course Description:

Analysis of representative films by Spanish directors including Luis Buel, Carlos Saura, Pedro Almodar and Bigas Luna, as well as a discussion of recent cinematic

works by filmmakers of the younger generation. Films represent a diversity of styles, periods, and genres.
Credit Hours: 3 Additional Restrictions/Requirements:
Restricted to FST majors or consent of instructor.
Crosslisting:
SPN 385
Course Repeatability: Course may not be repeated.

FST 389 - Studies in World Cinema

Course Description:
Study of a selected topic in world cinema. May be repeated under different subtitles.
Credit Hours: 3 Prerequisite Courses:
Prerequisite or corequisite: FST 205 , or permission of instructor.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

FST 393 - Sound Recording

Course Description:
Instruction in the techniques, aesthetics, and equipment for recording sound for motion pictures.
Credit Hours: 3 Prerequisite Courses:
FST 201
Additional Restrictions/Requirements:
Restricted to FST majors or consent of instructor.
Course Repeatability: Course may not be repeated. Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

FST 394 - Sound Design

Course Description:
Instruction in creating motion picture soundtracks and in techniques and aesthetics of sound editing and mixing.
Credit Hours: 3 Prerequisite Courses:
FST 201
Additional Restrictions/Requirements:
Restricted to FST majors or consent of instructor.
Course Repeatability: Course may not be repeated.

FST 396 - Studio Seminar in Film Production

Course Description:

Introduction to the process of studio film production, from development to distribution. Topics include locations, production design, casting, cinematography, make-up, costume design, film sound and scoring, editing, and post-production. Lecture and discussion, guest speakers, and on-site observation at Screen Gems Studios and other filmmaking sites in Wilmington.

Credit Hours: 3 Additional Restrictions/Requirements:

Restricted to FST majors or consent of instructor.

Course Repeatability: Course may not be repeated. Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

FST 398 - Practicum in Film Production

Course Description:

Selected topics in film production. May be repeated under different subtitles.

Credit Hours: 1 To 3 Prerequisite Courses:

FST 201

Additional Restrictions/Requirements:

Restricted to FST major or consent of instructor.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

FST 399 - Film Directing

Course Description:

In-class exercises focusing on scene dynamics, communicating with actors, blocking, and capturing action and performance with the camera.

Credit Hours: 3 Prerequisite Courses:

FST 201

Additional Restrictions/Requirements:

Restricted to FST majors or consent of instructor.

Course Repeatability: Course may not be repeated. Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

FST 401 - Advanced Practicum in Cinematography

Course Description:

Selected topics in advanced cinematography. May be repeated under different subtitles.

Credit Hours: 3 Prerequisite Courses:

FST 301

Crosslisting:

FST 501

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 9

FST 415 - Topics in Environmental Film Production

Course Description:

Instruction in production practices as they apply to themes of the environment and ecology. May be repeated under different subheadings.

Credit Hours: 3 Prerequisite Courses:

FST 301 or FST 302 .

Additional Restrictions/Requirements:

Permission of instructor

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 9 Repeat Limit: 2

FST 416 - Advanced Practicum in Film Production

Course Description:

Selected topics in advanced film production. May be repeated under different subtitles.

Credit Hours: 3 Prerequisite Courses: FST 301 or FST 302 Crosslisting:

FST 516

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

FST 418 - Screenwriting II: Writing the Feature Film

Course Description:

The craft of screenwriting applied to the feature form.

Credit Hours: 3 Prerequisite Courses:

FST 318

Additional Restrictions/Requirements:

Restricted to CRW or FST majors or consent of instructor.
Crosslisting:
CRW 418 , FST 518
Course Repeatability: Course may not be repeated.

FST 419 - Screenwriting III: Film Adaptation

Course Description:
Writing, revision, and completion of screen adaptation of literary work.
Credit Hours: 3 Prerequisite Courses:
FST 318
Additional Restrictions/Requirements:
Restricted to CRW or FST majors or consent of instructor.
Crosslisting:
CRW 419 , FST 519
Course Repeatability: Course may not be repeated.

FST 430 - Digital Visual Effects

Course Description:
Exploration of digital image and video representation and manipulation for motion-picture visual effects. Includes image storage and compression, film and video formats, compositing, filtering, scripting for graphics and visual effects, photorealistic lighting and rendering, virtual cinematography, camera tracking, and particle effects.
Credit Hours: 3 Prerequisite Courses:
CSC 320 , or ART 320 , or FST 320 .
Crosslisting:
CSC 430 , FST 522 .
Course Repeatability: Course may not be repeated. Additional Fees Link:
Additional Course Fee Schedule

FST 432 - Expanded Cinema

Course Description:
Modes of media production in expanded cinema. Topics may include video installation, video mapping, building interactive media environments, creating experimental animations, and live cinema. May be repeated under different subheadings.

Credit Hours: 3 Prerequisite Courses:

FST 201

Additional Restrictions/Requirements:

Junior or Senior standing, permission of instructor

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 9 Repeat Limit: 2

FST 433 - Modes of Animation Production

Course Description:

Applied instruction in selected animation forms and techniques. Topics might include motion graphics, gif animation and character animation. May be repeated under different subtitles.

Credit Hours: 3 Prerequisite Courses:

FST 201 .

Additional Restrictions/Requirements:

Junior or Senior standing, permission of instructor

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 9 Repeat Limit: 2

FST 440 - Film Theory

Course Description:

A study of major schools of film theory, such as genre theory, historical criticism, reception theory, auteur theory, formalism, cognitivist film theory, and structuralist and post-structuralist film theories.

Credit Hours: 3 Prerequisite Courses:

FST 205

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

University Studies: ["Building Competencies/Writing Intensive"] Crosslisting:

FST 540

Course Repeatability: Course may not be repeated.

FST 445 - Film Rhetoric

Course Description:

Rhetorical issues related to cinema, emphasizing the ways in which cinema creates meaning visually and stylistically. Rhetorical and cinematic criticism will be stressed.

Credit Hours: 3 Prerequisite Courses:

FST 205

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

FST 451 - Film Festival and Conference Management

Course Description:

Plan, market, and manage a film festival and conference.

Credit Hours: 3 Prerequisite Courses:

Prerequisite or corequisite:FST 201 and FST 205 , and permission of department chair.

Course Repeatability: Course may not be repeated. Repeat Limit: 1

FST 452 - Film Festival and Conference Programming

Course Description:

Plan, program, market, and manage a film festival and film studies conference. Learn to jury and curate film submissions.

Credit Hours: 6 Prerequisite Courses:

Prerequisite: FST 451 and permission of department chair.

Course Repeatability: Course may not be repeated.

FST 475 - Advanced Studies in Global Film History

Course Description:

Advanced study of an international cinema or a period in global cinema. Teaches approaches to film historiography. May be repeated under different subtitles.

Credit Hours: 3 Prerequisite Courses: FST 205 Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

University Studies: ["Building Competencies/Information Literacy"] Crosslisting:

FST 579 , FST 589

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

FST 479 - Advanced Studies in Film History

Course Description:

Advanced study of a major period in film. Teaches approaches to film

historiography. May be repeated under different subtitles.
Credit Hours: 3 Prerequisite Courses: FST 205 Additional Restrictions/Requirements:
Prerequisite course or consent of instructor.
University Studies: ["Building Competencies/Information Literacy"] Crosslisting:
FST 579
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

FST 480 - Special Topics in World Cinema

Course Description:
Advanced study of a selected topic in world cinema. May be repeated under a different subtitle.
Credit Hours: 3 Prerequisite Courses:
FST 205
Additional Restrictions/Requirements:
Prerequisite course or consent of instructor.
University Studies: ["Building Competencies/Writing Intensive"] Crosslisting:
FST 589
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

FST 491 - Directed Individual Study

Course Description:
Investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Study section in this catalogue.
Credit Hours: 1 To 3 Additional Restrictions/Requirements:
Junior or senior standing; nine hours of film studies courses, at least six of which are at the 300-400 level; overall GPA of at least 2.50; and consent of instructor, department chair and dean.
University Studies: ["Explorations Beyond the Classroom/Certified Internship Program"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

FST 493 - Directed Seminar in Production

Course Description:
Students work under the direction of a faculty filmmaker to create a motion picture.
Credit Hours: 3 Prerequisite Courses: FST 301 or FST 302 Additional Restrictions/Requirements:

Prerequisite course and 3 additional hours of production at the 300 level or above, and consent of the chair of Film Studies.

Crosslisting:

FST 517

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Repeat Limit: 1

Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link: Additional Course Fee Schedule

FST 495 - Senior Seminar in Film Production

Course Description:

Collaborative production of a short experimental, documentary, narrative, or animated motion picture. May be repeated under different subtitles.

Credit Hours: 3 Prerequisite Courses:

FST 301 or FST 302

Additional Restrictions/Requirements:

Prerequisite course and consent of the chair of Film Studies.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link: Additional Course Fee Schedule

FST 496 - Senior Seminar in Film Study

Course Description:

Intensive study of a major topic in film studies. Emphasis on individualized work, which may include reports, a longer research project, or a research essay. May be repeated under different subtitles.

Credit Hours: 3 Prerequisite Courses:

FST 205

Additional Restrictions/Requirements:

Prerequisite course, junior or senior standing, or consent of instructor.

University Studies: ["Building Competencies/Writing Intensive", "Common Requirements/Critical Reasoning"] Crosslisting:

FST 569

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

FST 497 - Applied Post Production

Course Description:

Hands-on application of editing theory and post-production techniques, practices, and technology. Students create a finished film using raw footage from previousFST 495 projects; exceptions upon approval.
Credit Hours: 3 Prerequisite Courses:
FST 331
Additional Restrictions/Requirements:
Prerequisite course and consent of the chair of Film Studies.
Course Repeatability: Course may not be repeated. Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

FST 498 - Internship in Film Studies

Course Description:
Study and practical work experience related to film studies, supervised and evaluated by faculty. May be repeated with permission of the chair of Film Studies.
Credit Hours: 3 Additional Restrictions/Requirements:
Junior or senior standing, consent of chair of Film Studies, an overall 3.00 minimum GPA, and a minimum of 12 hours in film studies (FST courses).
University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

FST 499 - Honors Work in Film Studies

Course Description:
Independent study for honors students.
Credit Hours: 2 To 3 Additional Restrictions/Requirements:
Junior or senior standing, eligibility for honors program and 9 hours of film studies courses, at least 6 hours at the 300-400 level.
University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

Department of History

http://www.uncw.edu/hst
The Department of History offers a broad-based program of study leading to the

Bachelor of Arts degree in history. Specific goals of the undergraduate program include: (1) training the minds and imaginations of those who study history; (2) introducing students to worlds, times, places, and cultures – including their own – in ways they may never have before considered; and (3) promoting the acquisition of critical thinking, reading, and writing skills. The program inludes rich opportunities for students to engage in study abroad, experience an internship, or explore areas of particular interest. An innovative curriculum offers team taught courses, small group tutorials and one-on-one research with faculty.

History Minor

History, B.A.

The Bachelor of Arts (BA) in history prepares students to be critical thinkers with a broad and sophisticated skill set developed through the study of the past. Students who complete the BA will have intensely studied a range of periods, events, and cultures. In doing so, they develop the ability to analyze, judge, and engage with complex information and ideas. In addition, students learn how to identify and find evidence to construct arguments, identify and explain continuity and change over time, and build excellent written and oral communication skills in the process. Easily paired with many majors, the history program is an excellent choice for students who are interested in various careers related to law, government, education, and businesses of all types.

History, B.A. with Social Studies Teacher Licensure

Program Coordinator: Dr. Nathan Crowe

HST 101 - Europe in the World I

Course Description:
Introduction to pre-modern European history, from the development of the first city-states in the Near East, through the rise of Athens and Rome, and concluding with the Middle Ages and Early Modern Period. Specific attention is given to the globally

interconnected nature of European history.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Historical and Philosophical Approaches", "Approaches and Perspectives/Living in a Global Society"] Course Repeatability: Course may not be repeated.

HST 102 - Europe in the World II

Course Description:
Introduction to modern European history. Examination of Europe's transformations and global interactions through the discussion of significant events, groups, and individuals that contributed to developments such as the French Revolution and the rise of democracy, the Industrial Revolution and the modern economy, world wars and dictatorships.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Historical and Philosophical Approaches", "Approaches and Perspectives/Living in a Global Society"] Course Repeatability: Course may not be repeated.

HST 103 - Introduction to Global History 1500-1848

Course Description:
The political, economic, cultural, religious, and environmental processes that transformed the world between 1500 and 1848. Examines the Columbian (biological) Exchange, formation of colonial empires, expansion of global religions, and emergence of global trade and slave trade.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Historical and Philosophical Approaches", "Approaches and Perspectives/Living in a Global Society"] Course Repeatability: Course may not be repeated.

HST 104 - Introduction to Global History Since 1848

Course Description:
Historical events, peoples, and places as well as the transformation of global systems. Examines the effects of industrialization, imperialism, nationalism, world wars, the Cold War, communism, and globalization on contemporary societies.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Historical and Philosophical Approaches", "Approaches and Perspectives/Living in a Global Society"] Course Repeatability: Course may not be repeated.

HST 105 - United States to 1865

Course Description:

American history from the pre-colonial period to the beginning of Reconstruction. Examines the impact of the country's cultural diversity through the study of the arts, law, politics, war, religion, technology, immigration, and the emergence of regional economic systems.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Historical and Philosophical Approaches", "Approaches and Perspectives/Living in Our Diverse Nation"] Course Repeatability: Course may not be repeated.

HST 106 - United States from 1865 to Present

Course Description:

The history of the United States since the Civil War. Examines the development of American political, social, and cultural systems, foreign policy, and the emergence of the United States as a world power.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Historical and Philosophical Approaches", "Approaches and Perspectives/Living in Our Diverse Nation"] Course Repeatability: Course may not be repeated.

HST 107 - Warfare in World History

Course Description:

Survey of war as a transformational force in world history from the ancient Mediterranean to the modern, globalized world. Includes how technology, politics, environment, climate, geography, and economics have impacted war. Examines how societies have waged war, responded to war, and been influenced by war.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Historical and Philosophical Approaches", "Approaches and Perspectives/Living in a Global Society"] Course Repeatability: Course may not be repeated. Additional Course Fees: ["None"]

HST 111 - History of Science I: Antiquity to the Scientific Revolution

Course Description:

History of science from antiquity (ancient Babylon and Greece) to the 17th century. Topics include the rise of natural philosophy in Greece, medieval universities,

Copernicus and the 16th century revolution in astronomy, Renaissance medicine and anatomy, and Isaac Newton's mathematical study of gravitation.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Historical and Philosophical Approaches"] Course Repeatability: Course may not be repeated.

HST 112 - History of Science II: Modern Science

Course Description:
Growth and development of modern science. Topics include Darwin's theory of evolution, Einstein's special and general relativity, quantum mechanics, wartime science, the discovery of DNA, and the impact of science and technology on modern society.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Historical and Philosophical Approaches"] Course Repeatability: Course may not be repeated.

HST 113 - The Jews: From the Bible to the Inquisition

Course Description:
Survey of Jewish history from antiquity to 1492, with particular attention to the Jewish encounter with the Roman, Islamic, and European civilizations.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Historical and Philosophical Approaches"] Course Repeatability: Course may not be repeated.

HST 114 - The Jews: From the Inquisition to Israel

Course Description:
Survey of Jewish history from the expulsion of the Jews from Spain to the modern era. Examination of how the different Jewish communities worldwide have met the challenges of a modernizing world. Topics include emancipation, religious reform and secularization, mass migrations, anti-Semitism, the Holocaust, and the founding of modern Israel.
Lab:
3
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Historical and Philosophical Approaches"] Course Repeatability: Course may not be repeated.

HST 116 - Women, Gender and Sexuality in America

Course Description:

Survey of U.S. history from mid-nineteenth century to the present focused on women, gender, and sexuality. Covers major changes in American attitudes, ideologies, and actions regarding the status and accomplishments of women, as well as broader shifts in perceptions of sex and gender. Focuses on social movements, laws and perceptions regarding sexuality, and changes in the acceptance of birth control.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Historical and Philosophical Approaches"] Course Repeatability: Course may not be repeated.

HST 119 - History of Medicine

Course Description:
Survey of the history of medicine that covers the major intellectual, social, and cultural contexts foundational for our modern understanding of health and health care.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

HST 120 - Medical Humanities

Course Description:
Introduction to the various disciplines, methods, and perspectives of medical and health humanities.
Credit Hours: 1 Course Repeatability: Course may not be repeated.

HST 190 - History Unlimited: A Short History of Nearly Everything

Course Description:
Multi-disciplinary course designed to cover the history of the universe from the big bang until today. Draws on perspectives and methods of both anthropology and history. Topics include the physical structure and composition of the the earth, how it was formed, the emergence of life with particular focus on the evolution of humans, the organiztion and development of human societies, analysis of important historical periods such as agricultural, scientific and industrial revolutions. This course does not fulfill requirements towards either the history or the anthropology majors.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in a Global Society", "Explorations Beyond the Classroom"] Crosslisting:
ANT 190

Course Repeatability: Course may not be repeated.

HST 250 - North Carolina Indians

Course Description:
North Carolina Indian history from pre-Columbian times to present day. Topics include identity of North Carolina Indians; social, religious, political, and economic life; gender roles; European and American interaction; development of state and federal policy and Indian response; status of Indians in contemporary North Carolina and United States.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in Our Diverse Nation"] Course Repeatability: Course may not be repeated.

HST 260 - African-American History

Course Description:
Survey of the major themes and events in the history of African-Americans from the colonial period to the present.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in Our Diverse Nation", "Approaches and Perspectives/Historical and Philosophical Approaches"] Course Repeatability: Course may not be repeated.

HST 270 - Global Issues in Historical Perspective

Course Description:
Selected themes and events in international or global history, with particular attention to cultural, intellectual, and/or economic exchanges between the 'West' and the wider world. Topics include: Society and the Supernatural, International Slave Trade. May be repeated under different subtitles.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in a Global Society", "Approaches and Perspectives/Historical and Philosophical Approaches"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

HST 271 - U.S. Topics in Historical Perspective

Course Description:
Historical periods or selected themes of special interest in U.S. history from the 17th century to present. Topics include the Civil War, Vietnam War, film and history, slave trade and slavery, and environmental history.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in Our Diverse Nation"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

HST 290 - The Practice of History

Course Description:

An exploration of the nature of historical inquiry and of the techniques and methods essential to the study and writing of history.

Credit Hours: 4 University Studies: ["Building Competencies/Writing Intensive/Information Literacy", "Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated.

HST 291 - Directed Historical Research

Course Description:

Directed historical research in collaboration with a faculty member, including examination and discussion of the historiographical context of historical research projects, research projects, research question framing, and finding, cataloging, and analyzing historical sources. Includes a paper related to the research experience.

Credit Hours: 1 To 3 Additional Restrictions/Requirements:

History majors only, sophomore, junior, or senior standing, and consent of instructor.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

HST 295 - Contemporary Issues in Historical Perspective

Course Description:

Exploration of a contemporary issue from a historical perspective.

Credit Hours: 3 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Repeat Limit: 1

HST 300 - War and the United States

Course Description:

Examination of the role of war in the development of the United States from the colonial period to the present. Includes the development of an identifiably American understanding of war and the relationship of the military to society.

Credit Hours: 3 Additional Restrictions/Requirements:

Any HST course or consent of instructor.

Course Repeatability: Course may not be repeated.

HST 301 - History of American Foreign Relations since the Progressive Era

Course Description:

Formation and implementation of American foreign policy, including the relationship between foreign policy and American political culture, and the impact of foreign perspectives on U. S. foreign policy since the Progressive Era.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

HST 303 - Film and History

Course Description:

Examination of the interpretation of American, European, and global history in film, including both dramatic films and documentaries.

Credit Hours: 3 Additional Restrictions/Requirements:

Any HST course or consent of instructor.

Course Repeatability: Course may not be repeated.

HST 305 - The Ancient Near East

Course Description:

An intensive political and cultural study of ancient Babylonian, Egyptian, and other Near Eastern civilizations.

Credit Hours: 3 Additional Restrictions/Requirements:

Any HST course or consent of instructor.

Course Repeatability: Course may not be repeated.

HST 306 - Ancient Greece and Rome

Course Description:

A study of the civilization of ancient Greece and Rome with special emphasis on the Greek classical period and the Pax Romana.

Credit Hours: 3 Additional Restrictions/Requirements:

Any HST course or consent of instructor.

Course Repeatability: Course may not be repeated.

HST 311 - History of England to 1485

Course Description:
The history of England from the arrival of the Celtic tribes to the assumption of power by the Tudors in 1485. Emphasis on the political, social, and religious developments of the High Middle Ages.
Credit Hours: 3 Additional Restrictions/Requirements:
Any HST course or consent of instructor.
Course Repeatability: Course may not be repeated.

HST 312 - History of England 1485-1815

Course Description:
The history of England from the assumption of power by the Tudors in 1485 to the victory over Napoleon in 1815. Emphasis on the theme of continuity and change in political, social, and economic life.
Credit Hours: 3 Additional Restrictions/Requirements:
Any HST course or consent of instructor.
Course Repeatability: Course may not be repeated.

HST 313 - History of England 1815 to Present

Course Description:
The history of England from Waterloo to the present. Emphasis on the impact of industrialization and urbanization, the gradual democratization of British politics, the expansion and contraction of the British Empire, the impact of world war, the rise of the welfare state, and post-industrial society.
Credit Hours: 3 Additional Restrictions/Requirements:
Any HST course or consent of instructor.
Course Repeatability: Course may not be repeated.

HST 315 - History of Modern Ireland

Course Description:
A survey of the history of Ireland from the end of the Elizabethan wars and the establishment of the Ulster plantation through the divergent twentieth-century experience of the Republic and Northern Ireland.
Credit Hours: 3 Additional Restrictions/Requirements:
Any HST course or consent of instructor.
Course Repeatability: Course may not be repeated.

HST 317 - Northern Ireland from 1880

Course Description:
Politics and society in Northern Ireland from Home Rule through partition, the troubles, and the peach process of the 1990's and beyond. Examination of primary sources, film, and the work of a broad range of academic specialists in the region to explore the historical development of this deeply divided society.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

HST 319 - History of Spanish Empire

Course Description:
Survey of Spanish history with particular attention to Early Modern and Modern Periods. The course will cover the Alfonsine era and Reconquista through the Golden Age, decline, Fascism and democracy.
Credit Hours: 3 Additional Restrictions/Requirements:
Any HST course or consent of instructor.
Course Repeatability: Course may not be repeated.

HST 321 - History of Modern France

Course Description:
History of France from the French Revolution and Napoleon through the political, economic and social developments of the nineteenth century to the World Wars of the twentieth century.
Credit Hours: 3 Additional Restrictions/Requirements:
Any HST course or consent of instructor.
Course Repeatability: Course may not be repeated.

HST 322 - History of Germany 1648-1890

Course Description:
The emergence of modern Germany from the end of the Thirty Years' War through the Bismarckian empire. Topics include the rise of Prussian absolutism, the Enlightenment in Germany, the impact of the French Revolution, Romanticism, the revolutions of 1848, unification, and constitutional problems of the empire.
Credit Hours: 3 Additional Restrictions/Requirements:

Any HST course or consent of instructor.
Course Repeatability: Course may not be repeated.

HST 323 - History of Germany 1890-Present

Course Description:
Germany from the end of Bismarck's chancellorship to the present. Topics include World War I, German Expressionism, the failure of Weimar democracy, the rise of the Nazis, defeat and division, rebuilding in East and West, the collapse of communism, and reunification.
Credit Hours: 3 Additional Restrictions/Requirements:
Any HST course or consent of instructor.
Course Repeatability: Course may not be repeated.

HST 324 - Jewish Humor and History: From the Shtetl to Seinfeld

Course Description:
Explores Jewish humor, tracing its evolution from the Yiddish culture of the 19th century to that of modern America. We examine schlemiels, schlimazels, and schnorrers, and investigate why they still have resonance today.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

HST 325 - Russia to 1881

Course Description:
History of Russia from its origins to 1881. Topics include the Mongol Conquest, state building, foreign policy, popular and intellectual opposition to serfdom.
Credit Hours: 3 Additional Restrictions/Requirements:
Any HST course or consent of instructor.
Course Repeatability: Course may not be repeated.

HST 326 - Russia Since 1881

Course Description:
History of Russia from 1881 to the present. Topics include the impact of emancipation, growth of revolutionary movement, revolutions of 1917, the Stalin years, post-Stalin reforms, end of Soviet Union.

Credit Hours: 3 Additional Restrictions/Requirements:

Any HST course or consent of instructor.

Course Repeatability: Course may not be repeated.

HST 329 - History of Science and Technology in the Modern World

Course Description:

Examination of themes in the history of science and technology since the Scientific Revolution, such as controversies in science and technology, history of technology/biotechnology, history of American Science, and science and technology since 1900. Course may be repeated for credit under different subtitles.

Credit Hours: 3 Additional Restrictions/Requirements:

Any HST course or consent of instructor.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 9

HST 332 - American Environmental History

Course Description:

The significance of the environment in American history from the colonial period to the present. Emphasis on the relationship between the natural environment of North America and the development of American culture and society, as well as changing attitudes toward the natural environment.

Credit Hours: 3 Additional Restrictions/Requirements:

Any HST course or consent of instructor.

Course Repeatability: Course may not be repeated.

HST 333 - American Social History

Course Description:

The impact of social change on American life from colonial times to the present. An examination of changing concepts of ethnicity and racial identification, the growth of religious movements, the effect of industrialization on family life, the impact of urbanization on crime and violence, and the influences of movies and television on mass behavior.

Credit Hours: 3 Additional Restrictions/Requirements:

Any HST course or consent of instructor.

Course Repeatability: Course may not be repeated.

HST 334 - Public History

Course Description:

A study of the ways in which historians practice outside of the academy. Topics include historic preservation, museum interpretation, cultural resource management, media, and archives. Class may include guest speakers and field trips.

Credit Hours: 3 Additional Restrictions/Requirements:

Any HST course or consent of instructor.

Course Repeatability: Course may not be repeated.

HST 335 - Hollywood and American Society

Course Description:

A study of motion picture entertainment produced by Hollywood in the context of major social, political, and economic changes in the United States.

Credit Hours: 3 Additional Restrictions/Requirements:

Any HST course or consent of instructor.

Course Repeatability: Course may not be repeated.

HST 336 - American Indian History to 1900

Course Description:

North American Indian cultures and history from the pre-Columbian era to the end of the nineteenth century. Topics include Indian social, political, and economic life, religion and worldview, and gender roles; European and American interaction; development of federal Indian policy and the Indian response; status of Indians in contemporary America.

Credit Hours: 3 Additional Restrictions/Requirements:

Any HST course or consent of instructor.

Course Repeatability: Course may not be repeated.

HST 337 - American Indian History after 1900

Course Description:

North American Indian history from 1885 to the present. Topics include Indian life on, off, and after the reservations; various late 19th and 20th century federal Indian policies and the Indians' response; and how Indians have survived into the modern

era.
Credit Hours: 3 Additional Restrictions/Requirements:
Any HST course or consent of the instructor.
Course Repeatability: Course may not be repeated.

HST 339 - Economic History of the United States

Course Description:
An historical study of American agriculture, labor, industry, transportation, and banking with emphasis on the relation of the government to the economy.
Credit Hours: 3 Additional Restrictions/Requirements:
Any HST course or consent of instructor.
Course Repeatability: Course may not be repeated.

HST 340 - Race, Gender, and Citizenship

Course Description:
Examines the shifting meanings of citizenship in the U.S. from 1790 to the present, with particular emphasis on the political and legal history of citizenship. Includes study of reform movements challenging hierarchical concepts of civic membership and the role of naturalization and immigration policies in regulating access to citizenship.
Credit Hours: 3 Additional Restrictions/Requirements:
Any HST course or consent of instructor.
Course Repeatability: Course may not be repeated.

HST 341 - North Carolina 1524 to 1835

Course Description:
Political, economic and social development of North Carolina from the colonial and federal period to the Constitution of 1835.
Credit Hours: 3 Additional Restrictions/Requirements:
Any HST course or consent of instructor.
Course Repeatability: Course may not be repeated.

HST 342 - North Carolina 1835 To Present

Course Description:

Political, economic and social development of North Carolina in the nineteenth and twentieth centuries.
Credit Hours: 3 Additional Restrictions/Requirements:
Any HST course or consent of instructor.
Course Repeatability: Course may not be repeated.

HST 343 - Wilmington: A Study in Development

Course Description:
The city of Wilmington, North Carolina, and its environs from geological beginnings through approximately 1970. Wilmington is used as an example of major historical trends with emphasis on the twentieth century.
Credit Hours: 3 Additional Restrictions/Requirements:
Any HST course or consent of instructor.
Course Repeatability: Course may not be repeated.

HST 346 - The Old South

Course Description:
The South from the colonial period to the Civil War with emphasis on political, economic, and social institutions distinctive to the South.
Credit Hours: 3 Additional Restrictions/Requirements:
Any HST course or consent of instructor.
Course Repeatability: Course may not be repeated.

HST 347 - The New South

Course Description:
Aftermath of Reconstruction, rise of the New South, effects of industrialism, continuation and decline of sectionalism.
Credit Hours: 3 Additional Restrictions/Requirements:
Any HST course or consent of instructor.
Course Repeatability: Course may not be repeated.

HST 351 - Religion in Early America

Course Description:
Examination of the role and significance of religion in early American culture and

society. Topics include contact between Native American and Euro-American religious traditions, Puritanism, First Great Awakening, religion in the revolutionary era, separation of church and state.

Credit Hours: 3 Prerequisite Courses:

PAR 242

Crosslisting:

PAR 351

Course Repeatability: Course may not be repeated.

HST 352 - Colonial History of the U.S.

Course Description:

Formation and growth of American colonies to the conclusion of the French and Indian War (1763).

Credit Hours: 3 Additional Restrictions/Requirements:

Any HST course or consent of instructor.

Course Repeatability: Course may not be repeated.

HST 353 - The American Revolution and Formation of the United States

Course Description:

Organization of the British Empire, events preceding the Revolution, the war for independence, Confederation era, drafting and ratification of the U. S. Constitution, politics of the new nation.

Credit Hours: 3 Additional Restrictions/Requirements:

Any HST course or consent of instructor.

Course Repeatability: Course may not be repeated.

HST 354 - The Antebellum U.S.

Course Description:

Study of U. S. history from the War of 1812 through the advent of the Civil War. Major topics include Jacksonian Democracy, reform movements, national expansion, immigration, sectionalism, and the political crisis of the 1850s.

Credit Hours: 3 Additional Restrictions/Requirements:

Any HST course or consent of instructor.

Course Repeatability: Course may not be repeated.

HST 355 - Civil War and Reconstruction

Course Description:

Examination of the origins, conduct, and significance of the Civil War, and Reconstruction through 1877.

Credit Hours: 3 Additional Restrictions/Requirements:

Any HST course or consent of instructor.

Course Repeatability: Course may not be repeated.

HST 356 - Robber Barons and Reformers: the U.S. from 1877 to 1917

Course Description:

The rise of American industry and the Populist-Progressive responses to urbanization and industrialization.

Credit Hours: 3 Additional Restrictions/Requirements:

Any HST course or consent of instructor.

Course Repeatability: Course may not be repeated.

HST 357 - The United States from World War I through World War II

Course Description:

A study of the United States from 1917 to 1945 with emphasis on World War I, cultural change in the 1920s, the Great Depression, the New Deal, and World War II.

Credit Hours: 3 Additional Restrictions/Requirements:

Any HST course or consent of instructor.

Course Repeatability: Course may not be repeated.

HST 358 - The United States Since 1945

Course Description:

Developments in American politics, cultural life, civil rights, and foreign policy from the time of the Truman Administration to the present.

Credit Hours: 3 Additional Restrictions/Requirements:

Any HST course or consent of instructor.

Course Repeatability: Course may not be repeated.

HST 359 - Religious Reform in Modern America

Course Description:

Religious thought and action concerning social change in modern America. Topics include urban revivalism, labor, civil rights, and peace movements. Emphasis on differing interpretations of scripture, church teachings, and religious identity.

Credit Hours: 3 Prerequisite Courses:

PAR 242

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Crosslisting:

PAR 353

Course Repeatability: Course may not be repeated.

HST 362 - History of Premodern East Asia

Course Description:

Survey of East Asian history from ancient times to the mid-nineteenth century, with emphasis on China and Japan and secondary attention to Korea and Vietnam. Course may be repeated for credit under different subtitles.

Credit Hours: 3 Additional Restrictions/Requirements:

Any HST course or consent of instructor.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 9 Repeat Limit: 3

HST 363 - History of Modern East Asia

Course Description:

Survey of East Asian history from the mid-nineteenth century to the present, with emphasis on China and Japan and secondary attention to Korea and Vietnam. Course may be repeated for credit under different subtitles.

Credit Hours: 3 Additional Restrictions/Requirements:

Any HST course or consent of instructor.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 9 Repeat Limit: 3

HST 364 - History of Premodern South Asia

Course Description:

An examination of history of South Asian history from ancient times to the mid-nineteenth century. Course may be repeated for credit under different subtitles including Mughal India, history of Pakistan, and colonialism in India.
Credit Hours: 3 Additional Restrictions/Requirements:
Any HST course or consent of instructor.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 9 Repeat Limit: 3

HST 365 - History of Modern South Asia

Course Description:
An examination of history of South Asian history from the nineteenth century till the present. Course may be repeated for credit under different subtitles including India and Pakistan since 1947, and Ghandi and Ghandism.
Credit Hours: 3 Additional Restrictions/Requirements:
Any HST course or consent of instructor.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 9 Repeat Limit: 3

HST 367 - History of Colonial Latin America

Course Description:
Survey of the conquest and colonization of Latin America from pre-Columbian civilizations through independence in the early nineteenth century, focusing on the creation of new societies shaped by the interaction of Europeans, Indians, and Africans.
Credit Hours: 3 Additional Restrictions/Requirements:
Any HST course or consent of instructor.
Course Repeatability: Course may not be repeated.

HST 368 - History of Modern Latin America

Course Description:
The development of South America, Central America, Mexico, and the Caribbean from the time of independence in the early nineteenth century to the present.
Credit Hours: 3 Additional Restrictions/Requirements:
Any HST course or consent of instructor.
Course Repeatability: Course may not be repeated.

HST 371 - History of Premodern Africa

Course Description:

History of Africa from the earliest times to 1800 with emphasis on the social structures, cultures, economy, and political organizations of African peoples and their relationships with forces outside of Africa. This course can have a geographical or a thematic approach. Course may be repeated for credit under different subtitles.

Credit Hours: 3 Additional Restrictions/Requirements:

Any HST course or consent of instructor.

Course Repeatability: Course may not be repeated.

HST 372 - History of Modern Africa

Course Description:

Historical survey of African history from 1800 to the present with emphasis on the abolition of slavery and the slave trade; the scramble for Africa; establishment and operation of colonial rule; independence movements; and the post-colonial period.

Credit Hours: 3 Additional Restrictions/Requirements:

Any HST course or consent of instructor.

Course Repeatability: Course may not be repeated.

HST 377 - Topics in International History

Course Description:

Selected themes and events in international or transnational history. Examples of course topics include: The Second World War, Age of Napoleon. May be repeated under different subtitles.

Credit Hours: 3 Additional Restrictions/Requirements:

Any HST course or consent of instructor.

Course Repeatability: Course may be repeated.

HST 381 - History of Premodern Middle East

Course Description:

Exploration of themes in the political, social, economic, military, diplomatic, and cultural history of the Middle East and the impact of the West from 1700 to World War I. Course may be repeated for credit under different subtitles.

Credit Hours: 3 Additional Restrictions/Requirements:

Any HST course or consent of instructor.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 9 Repeat Limit: 3

HST 382 - History of Modern Middle East

Course Description:

An examination of the major developments in the history of the Modern Middle East. The course may be repeated for credit under different subtitles including Women and Gender in the Middle East, the Middle East since 1914, and Palestine and Israel.

Prerequisite Courses:

Any history class.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 9 Repeat Limit: 3

HST 385 - Special Topics in Jewish History

Course Description:

Examination of themes in the history, religion, and culture of the Jewish people from antiquity to the present, including the Jews in the modern world, Zionism and Israel, Anti-Semitism and the Holocaust. Course may be repeated for credit under different subtitles.

Credit Hours: 3 Additional Restrictions/Requirements:

Any HST course or consent of instructor.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 9 Repeat Limit: 3

HST 390 - Medieval Civilization

Course Description:

An examination of medieval Europe from the fall of Rome to the fifteenth century. Emphasis on the development of feudalism, manorialism, and the universal authority of the Catholic Church.

Credit Hours: 3 Additional Restrictions/Requirements:

Any HST course or consent of instructor.

Course Repeatability: Course may not be repeated.

HST 391 - Europe in the Age of the Renaissance

Course Description:

Political, economic, and social changes during the Renaissance, with particular attention to the artistic and intellectual achievements of the age.

Credit Hours: 3 Additional Restrictions/Requirements:

Any HST course or consent of instructor.

Course Repeatability: Course may not be repeated.

HST 392 - Europe in the Age of Reformation

Course Description:

Causes and development of the Protestant and the Catholic Reformations with examination of the impact of these movements on the political, economic, and social institutions of early modern Europe.

Credit Hours: 3 Additional Restrictions/Requirements:

Any HST course or consent of instructor.

Course Repeatability: Course may not be repeated.

HST 394 - Europe in the Age of Absolutism and Enlightenment

Course Description:

Europe from the Thirty Years War to the French Revolution. Topics include mercantilism; social transformation; colonialism; English constitutional government; Scientific Revolution; enlightened despotism, and changing balance of power.

Credit Hours: 3 Additional Restrictions/Requirements:

Any HST course or consent of instructor.

Course Repeatability: Course may not be repeated.

HST 395 - Readings in History

Course Description:

Focus on a close reading of current and classical historical scholarship around a chosen theme in a small-class environment. Students will discuss and critique course readings; close attention will be paid to developing discussion and writing skills as well as historiographical knowledge.

Credit Hours: 3 Additional Restrictions/Requirements:

Any HST course or consent of instructor.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Repeat Limit: 1

HST 396 - Europe from French Revolution to World War I

Course Description:

The French and Industrial Revolutions and their social and political impact; the rise of nationalism and empires; capitalism and its critics; the changing balance of powers and the First World War.

Credit Hours: 3 Additional Restrictions/Requirements:

Any HST course or consent of instructor.

Course Repeatability: Course may not be repeated.

HST 398 - Europe in the Age of War and Dictatorship

Course Description:

Europe from the First World War to 1945. Topics include both world wars, Great Depression, nationalisms, communisms and fascisms.

Credit Hours: 3 Additional Restrictions/Requirements:

Any HST course or consent of instructor.

Course Repeatability: Course may not be repeated.

HST 399 - Europe Since 1945

Course Description:

Europe from the end of the Second World War to the present. Topics include the welfare state, decolonization, the 1960s, consumer society, the origins and end of the Cold War, and European integration.

Credit Hours: 3 Additional Restrictions/Requirements:

Any HST course or consent of instructor.

Course Repeatability: Course may not be repeated.

HST 408 - Seminar: Medieval Europe

Course Description:

Research-oriented exploration of major themes and issues in the history of Medieval Europe (500-1500). May be repeated under a different subtitle.

Credit Hours: 3 Prerequisite Courses: HST 102 and HST 290 Additional Restrictions/Requirements:

Prerequisite courses or consent of instructor.

University Studies: ["Building Competencies/Writing Intensive", "Common Requirements/Critical

Reasoning"] Crosslisting:

HST 548

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

HST 412 - Seminar: Renaissance and Reformation Europe

Course Description:

Research-oriented exploration of major themes and issues in the history of Renaissance and Reformation Europe (1350-1618). May be repeated under a different subtitle.

Credit Hours: 3 Prerequisite Courses: (HST 102 or HST 101) and HST 290 Additional Restrictions/Requirements:

Prerequisite courses or consent of instructor.

University Studies: ["Building Competencies/Writing Intensive", "Common Requirements/Critical Reasoning"] Crosslisting:

HST 552

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

HST 414 - Seminar: Early Modern Europe

Course Description:

Research-oriented exploration of major themes and issues in the history of Early Modern Europe (1618-1789). May be repeated under a different subtitle.

Credit Hours: 3 Prerequisite Courses: (HST 102 or HST 101) and HST 290 Additional Restrictions/Requirements:

Prerequisite courses or consent of instructor.

University Studies: ["Building Competencies/Writing Intensive", "Common Requirements/Critical Reasoning"] Crosslisting:

HST 554

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

HST 416 - Seminar: Nineteenth-Century Europe

Course Description:

Research-oriented exploration of major themes and issues in the history of Europe from the French Revolution to the First World War. May be repeated under a different subtitle.

Credit Hours: 3 Prerequisite Courses: (HST 102 or HST 101) and HST 290 Additional Restrictions/Requirements:

Prerequisite courses or consent of instructor.
University Studies: ["Building Competencies/Writing Intensive", "Common Requirements/Critical Reasoning"] Crosslisting:
HST 556
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

HST 418 - Seminar: Twentieth-Century Europe

Course Description:
Research-oriented exploration of major themes and issues in the history of Europe since 1914. May be repeated under a different subtitle.
Credit Hours: 3 Prerequisite Courses: (HST 102 or HST 101) and HST 290 Additional Restrictions/Requirements:
Prerequisite courses or consent of instructor.
University Studies: ["Building Competencies/Writing Intensive", "Common Requirements/Critical Reasoning"] Crosslisting:
HST 558
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

HST 440 - Seminar: U.S. Social History

Course Description:
Intensive study of selected topics in U.S. social history. Examples of topics: African-Americans, immigrants, social movements, education, work and leisure, sexuality. May be repeated under a different subtitle.
Credit Hours: 3 Prerequisite Courses: (HST 105 or HST 106) and HST 290 Additional Restrictions/Requirements:
Prerequisite courses or consent of instructor.
University Studies: ["Building Competencies/Writing Intensive", "Common Requirements/Critical Reasoning"] Crosslisting:
HST 518
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

HST 442 - Seminar: U.S. Economic History

Course Description:
Intensive study of significant themes or events in U. S. economic history from the colonial period to the present. Examples of topics: economy of Colonial America, 19th-century labor movements, economy of the Antebellum South, agricultural

history. May be repeated under a different subtitle.
Credit Hours: 3 Prerequisite Courses: (HST 105 or HST 106) and HST 290 Additional Restrictions/Requirements:
Prerequisite courses or consent of instructor.
University Studies: ["Building Competencies/Writing Intensive", "Common Requirements/Critical Reasoning"] Crosslisting:
HST 525
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

HST 444 - Seminar: U.S. Political History

Course Description:
Intensive study of selected facets of political theory, behavior, movements, and institutions, and how political power has been used to influence the development of society. Examples of topics: New Deal politics, third-party movements, U. S. Constitution. May be repeated under a different subtitle.
Credit Hours: 3 Prerequisite Courses:
(HST 105 or HST 106) and HST 290
Additional Restrictions/Requirements:
Prerequisite courses or consent of instructor.
University Studies: ["Building Competencies/Writing Intensive", "Common Requirements/Critical Reasoning"] Crosslisting:
HST 526
Course Repeatability: Course may not be repeated.

HST 446 - Seminar: U.S. Diplomatic History

Course Description:
Intensive examination of fundamental principles, assumptions, and objectives in the conduct of U. S. foreign policy, and of how Americans have viewed their place in the international order at various moments in their history. Examples of topics: the diplomacy of World War II, the Cold War, arms control and disarmament. May be repeated under a different subtitle.
Credit Hours: 3 Prerequisite Courses: (HST 105 or HST 106) and HST 290 Additional Restrictions/Requirements:
Prerequisite courses or consent of instructor.
University Studies: ["Building Competencies/Writing Intensive", "Common Requirements/Critical Reasoning"] Crosslisting:

HST 527
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

HST 450 - Seminar: U.S. Intellectual History

Course Description:
Intensive examination of the role of ideas in American history. Examples of topics: radicalism, the Enlightenment, myth in American history, and ideas about democracy, ethnicity, equality, religion, gender. May be repeated under a different subtitle.
Credit Hours: 3 Prerequisite Courses: (HST 105 or HST 106) and HST 290 Additional Restrictions/Requirements:
Prerequisite courses or consent of instructor.
University Studies: ["Building Competencies/Writing Intensive", "Common Requirements/Critical Reasoning"] Crosslisting:
HST 529
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

HST 454 - Seminar: U.S. Regional History

Course Description:
Intensive examination of the economic, social, and political history of a specific region of the United States. May be repeated under a different subtitle.
Credit Hours: 3 Prerequisite Courses: (HST 105 or HST 106) and HST 290 Additional Restrictions/Requirements:
Prerequisite courses or consent of instructor.
University Studies: ["Building Competencies/Writing Intensive", "Common Requirements/Critical Reasoning"] Crosslisting:
HST 531
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 6

HST 456 - Seminar: U.S. Environmental History

Course Description:
Selected topics in U.S. environmental history. Examples of topics: nature and culture, the cult of the wilderness, conservation and preservation, resources and regions, gender and nature, the environmental movement. May be repeated under a different subtitle.

Credit Hours: 3 Prerequisite Courses: (HST 105 or HST 106) and HST 290 Additional Restrictions/Requirements:

Prerequisite courses or consent of instructor.

University Studies: ["Building Competencies/Writing Intensive", "Common Requirements/Critical Reasoning"] Crosslisting:

HST 533

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

HST 477 - Historic Preservation in the U.S.

Course Description:

Provides an overview of the history, theory, and practices of historic preservation through applied research. Addresses the history of the built American environment and how scholars analyze buildings and landscapes as historical evidence. Students visit historic structures and conduct both fieldwork and archival research.

Credit Hours: 3 Prerequisite Courses:

(HST 105 or HST 106) and HST 290

Additional Restrictions/Requirements:

Prerequisite courses or consent of instructor.

University Studies: ["Building Competencies/Writing Intensive", "Common Requirements/Critical Reasoning"] Crosslisting:

HST 577

Course Repeatability: Course may not be repeated.

HST 478 - The History and Meaning of Objects

Course Description:

Research-oriented exploration of the theory, practice, and historiography of using material objects as sources for the study of society and culture.

Credit Hours: 3 Prerequisite Courses:

HST 290

Additional Restrictions/Requirements:

Any history survey (HST 101 - 249) and prerequisite course, or consent of instructor.

University Studies: ["Building Competencies/Writing Intensive", "Common Requirements/Critical Reasoning"] Crosslisting:

HST 578

Course Repeatability: Course may not be repeated.

HST 480 - Topics in Public History

Course Description:

Intensive study of selected themes in public history. Examples of topics: business history, public policy analysis and interpretation of the landscape. May be repeated under a different subtitle.

Credit Hours: 3 Prerequisite Courses: HST 290 Additional Restrictions/Requirements:

Any history survey (HST 101-HST 249) and prerequisite course, or consent of instructor.

University Studies: ["Building Competencies/Writing Intensive", "Common Requirements/Critical Reasoning"] Crosslisting:

HST 580

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

HST 481 - Topics in African History

Course Description:

Intensive study of a selected theme in African history. Examples of topics: slavery, the slave trade and its abolition, pre-colonial Africa, colonial and post-colonial Africa, oral history in Africa. May be repeated under a different subtitle.

Credit Hours: 3 Prerequisite Courses: (HST 103 or HST 104) and HST 290 Additional Restrictions/Requirements:

Prerequisite courses or consent of instructor.

University Studies: ["Building Competencies/Writing Intensive", "Common Requirements/Critical Reasoning"] Crosslisting:

HST 581

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

HST 483 - Topics in Middle Eastern History

Course Description:

Intensive study of a selected theme in Middle Eastern history. Examples of topics: early Islamic conquests, the Ottoman Empire, the Arab-Israeli conflict. May be repeated under a different subtitle.

Credit Hours: 3 Prerequisite Courses: (HST 103 or HST 104) and HST 290 Additional Restrictions/Requirements:

Prerequisite courses or consent of instructor.

University Studies: ["Building Competencies/Writing Intensive", "Common Requirements/Critical Reasoning"] Crosslisting:

HST 583

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

HST 485 - Topics in Latin American History

Course Description:

Intensive study of a selected theme in Latin American history. Examples of topics: pre-Columbian civilizations, colonial rule under Spain and Portugal, nationalism, revolutionary movements. May be repeated under a different subtitle.

Credit Hours: 3 Prerequisite Courses: (HST 103 or HST 104) and HST 290 Additional Restrictions/Requirements:

Prerequisite courses or consent of instructor.

University Studies: ["Building Competencies/Writing Intensive", "Common Requirements/Critical Reasoning"] Crosslisting:

HST 585

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

HST 487 - Topics in Global History

Course Description:

Intensive study of a selected theme in global history. Examples of topics: colonialism, imperialism, industrialization, slavery, revolutionary movements. May be repeated under a different subtitle.

Credit Hours: 3 Prerequisite Courses: (HST 103 or HST 104) and HST 290 Additional Restrictions/Requirements:

Prerequisite courses or consent of instructor.

University Studies: ["Building Competencies/Writing Intensive", "Common Requirements/Critical Reasoning"] Crosslisting:

HST 587

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

HST 491 - Directed Individual Study

Course Description:

Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.

Credit Hours: 1 To 3 Additional Restrictions/Requirements:

Junior or senior standing, overall GPA of at least 2.00, and consent of instructor, department chair and dean.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

HST 495 - Seminar

Course Description:

Intensive study of historical topics not regularly covered in other courses. May be repeated under a different subtitle.

Credit Hours: 3 Prerequisite Courses: HST 290 Additional Restrictions/Requirements:

Any history survey (HST 101-HST 249) and prerequisite course, or consent of instructor.

University Studies: ["Building Competencies/Writing Intensive", "Common Requirements/Critical Reasoning"] Crosslisting:

HST 595

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

HST 496 - Topics in the History of Science and Technology

Course Description:

Intensive study of a selected theme in the History of Science and Technology. Examples of topics include: "Positivism", "Occult Studies and the Renaissance", "The Second Industrial Revolution". May be repeated under a different subtitle.

Credit Hours: 3 Prerequisite Courses: HST 290 Additional Restrictions/Requirements:

Any history survey (HST 101 - HST 249) and prerequisite course, or consent of instructor.

University Studies: ["Building Competencies/Writing Intensive", "Common Requirements/Critical Reasoning"] Crosslisting:

HST 586

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

HST 497 - Topics in Asian History

Course Description:

Intensive study of selected themes and events in Asian history not regularly covered in other courses. Examples of topics include: The Chinese Revolution, Meiji Japan, Gandhian thought, nationalist movements. May be repeated under a different

subtitle.
Credit Hours: 3 Prerequisite Courses: (HST 103 or HST 104) and HST 290 Additional Restrictions/Requirements:
Prerequisite courses or consent of instructor.
University Studies: ["Building Competencies/Writing Intensive", "Common Requirements/Critical Reasoning"] Crosslisting:
HST 597
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

HST 498 - Internship in Public History

Course Description:
Supervised practical experience with a public or private historical organization, agency or institution. Area of concentration, requirements, and means of evaluation to be defined in consultation with faculty.
Credit Hours: 3 To 6 Prerequisite Courses: HST 290 Additional Restrictions/Requirements:
Junior or senior standing, prerequisite course, and consent of instructor.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

HST 499 - Honors Work in History

Course Description:
Individual study of honors students.
Credit Hours: 2 To 3 Additional Restrictions/Requirements:
Senior standing and consent of instructor or department chairperson.
University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

Department of International Studies

https://uncw.edu/academics/colleges/chssa/departments/international-studies/
The Department of International Studies offers an innovative interdisciplinary program of study leading to the Bachelor of Arts degree in International Studies. Specific goals of the undergraduate program include: (1) foundational and specific knowledge of global issues, processes, trends, and policies; (2) the skills and confidence necessary to make critical, informed evaluations and judgments about

global issues, processes, trends, and policies; (3) proficency in a language in addition to English; (4) the intellectual and ethical responsibilities of active global citizenship; and (5) the ability to use diverse cultural frames of reference to accept cultural differences and tolerate cultural ambiguity. The program includes rich opportunities for students to engage in study abroad and explore areas of particular interest such as globalization and the environment, of global cultures including the world's art, literatures, languages, and religions, and of specific regions including Africa, Asia, Europe, the Middle East, and Latin America. Fundamental to UNCW's International Studies program is its mission to prepare its students to meet the many complex challenges facing our world, and gain a competitive edge in the global workforce by increasing relevant experiences and marketability for continuing education and careers in a global economy.

International Studies, B.A.

Dr. Florentina Andreescu, Chair

International Studies is an interdisciplinary major that focuses on social transformation and innovative responses to seemingly intractable global problems. International Studies students learn to:

- Think across disciplines
- Move between the the local and the global
- Be mindful of the realities of human lives at the center of our investigations

One of UNCW's strategic goals is to "Create an educational environment that prepares our students to be global citizens." Students are prepared to face these global issues and help create a more just and equitable world.

However, preparing students to be competitive in the global workforce is equally as important. Occupations and professions in a variety of settings increasingly emphasize global knowledge, skills and experience.

The International Studies major is designed specifically to meet these goals by offering an interdisciplinary bachelor's degree that provides a distinctive international learning experience for UNCW students. The integrative program curriculum will provide students with:

- A focus on a particular international theme or geographic area of concentration
- Exposure to other cultures, people, and places
- An understanding of one's own culture from international perspectives
- A deeper appreciation of the global society.

International Studies Minor

Dr. Florentina Andreescu, Chair

International Studies is an interdisciplinary major that focuses on social transformation and innovative responses to seemingly intractable global problems. International Studies students learn to:

- Think across disciplines
- Move between the the local and the global
- Be mindful of the realities of human lives at the center of our investigations

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The International Studies major is designed specifically to meet these goals by offering an interdisciplinary bachelor's degree that provides a distinctive international learning experience for UNCW students. The integrative program curriculum will provide students with:

- A focus on a particular international theme or geographic area of concentration
- Exposure to other cultures, people, and places
- An understanding of one's own culture from international perspectives
- A deeper appreciation of the global society.

INT 105 - Introduction to International Studies

Course Description:

An introductory, interdisciplinary survey of the main concepts and terminology associated with the broad, interdisciplinary field of international studies, including economic, geo-political, and socio-cultural globalization and the effects of these processes on individuals and communities.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in a Global Society"]

Course Repeatability: Course may not be repeated.

INT 200 - Global Capitalism and its Discontents

Course Description:

An introduction to the history of capitalism, its alternatives, and its benefits and drawbacks in the era of globalization.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Historical and Philosophical Approaches", "Approaches and Perspectives/Living in a Global Society", "Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

INT 215 - Interdisciplinary Approaches to the Politics of Globalization

Course Description:
Exploration of interdisciplinary and political dimensions of globalization, including the concept of "globalization", what it means in various contexts, and the way in which it developed through the Cold War and beyond. Introduction to an international political economy perspective, which is foundational to understanding globalization and the way we study the world in International Studies.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Understanding Human Institutions and Behaviors"] Course Repeatability: Course may not be repeated.

INT 220 - Cultural and Social Globalization

Course Description:
Exploration of contemporary cultural and social changes in the context of globalization. The course focuses on the ways in which various global and local cultural arenas reflect and are transformed by late capitalism's societal shift towards a mode of existence where images and consumerist desires have become the driving forces.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in a Global Society", "Critical Reasoning"] Course Repeatability: Course may not be repeated. Major Restriction: None Minor Restriction: None

INT 230 - Sustainability: From Global Goals to Local Action

Course Description:
Historical overview of how sustainability has been understood, and an introduction to the 17 Sustainable Development Goals (SDGs): what they are, how progress can be measured, and how the SDGs are relevant for the management of the global systems supporting humanity.
Credit Hours: 3 University Studies: ["Explorations Beyond the Classroom"] Course Repeatability:

Course may be repeated. Maximum Repeatable Hours: 6 Repeat Limit: 1

INT 232 - Global Development and its Critics

Course Description: Exploration of the concept and practice of international 'development.' A study of the development's colonial and capitalist foundations as it evolved through phases such as modernization, globalization, neoliberalism, and extractivism. Credit Hours: 3 Course Repeatability: Course may not be repeated.

INT 294 - International Student Exchange

Course Description:

Sophomore-level designation for UNCW students participating in a semester exchange program in another country.

Credit Hours: 12 University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

INT 300 - Interdisciplinarity and International Studies

Course Description:

An introduction to the rationale and application of interdisciplinarity to International Studies.

Credit Hours: 3 Prerequisite Courses:

INT 105

Additional Restrictions/Requirements:

Restricted to International Studies majors or minors.

University Studies: ["Building Competencies/Writing Intensive", "Information Literacy", "Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated.

INT 310 - Topics in Arts and Literature

Course Description:

Intensive study of a selected topic or theme in art or literature. May be repeated under different subtitles.

Credit Hours: 3 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

INT 311 - Film and the Feminine Ideal in Post Communist Eastern and Central European Cinema

Course Description:

An introduction to gender in transitional societies, politics, and economics through the medium of film with a focus on Post Communist Eastern and Central European women.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in a Global Society"] Course Repeatability: Course may not be repeated.

INT 314 - International NGOs, Globalization, and Development

Course Description:

Interdisciplinary overview of theories on the role international Nongovernmental Organizations play in the development of a country including development of political and economic institutions. Focus on the mounting internal and external challenges that threaten the promise of international Nongovernmental organizations, particularly in the Global South.

Credit Hours: 3 Prerequisite Courses:

INT 105 or permission of instructor.

Course Repeatability: Course may not be repeated.

INT 315 - Topics in Globalization

Course Description:

Intensive study of a selected topic or theme in globalization. May be repeated under different subtitles.

Credit Hours: 3 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

INT 316 - Global Protest Movements

Course Description:

An examination of global protests and activism for social, political or economic change.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in A Global Society", "Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

INT 317 - Dictators, Despots, and Presidents for Life

Course Description:

An examination of global history and current events through the lens of despotic

governments and authoritarian regimes.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

INT 318 - Transitional Justice

Course Description:
An overview of the major theories of transitional justice that considers the range of processes and mechanisms available. Examines the legacies of human rights abuses through the exploration of the field's most emblematic case studies from a number of countries, such as South Africa, Rwanda, Argentina, Chile, and Bosnia Herzegovina.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

INT 319 - Insurgency

Course Description:
Exploration of violent and nonviolent political movements by examining structural causes, mobilization, ideologies related to insurgencies, the global dimensions related to contagion effects, and transnational insurgent movements.
Credit Hours: 3 Course Repeatability: Course may not be repeated. Major Restriction: None Minor Restriction: None

INT 320 - Topics in the Global Environment

Course Description:
Intensive study of a selected topic or theme about the global environment. May be repeated under different subtitles.
Credit Hours: 3 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

INT 322 - Environmental Extractivism and the Anthropocene

Course Description:
Interdisciplinary exploration of environmental and development challenges brought about by climate change and resource extraction. Students engage with key social science approaches and different cultural perspectives on nature, ecology, and anthropogenic environmental change through diverse case studies.
Credit Hours: 3 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Repeat Limit: 1

INT 330 - Topics in Africa

Course Description:

Intensive study of a selected topic or theme about Africa. May be repeated under different subtitles.

Credit Hours: 3 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

INT 331 - The New Scramble for Africa

Course Description:

Interdisciplinary overview of environmental history and development in Africa from the colonial era to the present.

Credit Hours: 3 Course Repeatability: Course may not be repeated. Major Restriction: None Minor Restriction: None

INT 332 - Global Politics of Food: An African Perspective

Course Description:

An examination of the global political economy of food through interdisciplinary examples from Africa with an exploration of the evolution of the human diet and traditional food production systems; the importance of culture in assigning meaning to food and how it is consumed; relationships between population, nutrition, and health; standards in the international trade of foods; the history and politics of food aid; food sovreignity and sustainable development; and the relationship between the environment and food security.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

INT 333 - China in Africa

Course Description:

Examination of the historical and contemporary linkages between Africa and China. This course aims to provide students an opportunity to critically discuss and analyze China-Africa, or Africa-China, socioeconomic relations and their implications for future political relations.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

INT 335 - Topics in Asia

Course Description:

Intensive study of a selected topic or theme about Asia. May be repeated under a different subtitle.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

INT 336 - Modern China through Film

Course Description:

Examination of the social, cultural, economic, and political issues confronting modern China as constructed in feature films produced inside the country and the West including before and after the Communists came to power.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

INT 337 - China Encounters the World

Course Description:

Examination of how China has encountered the world since the 17th century, with emphasis on the late 19th and 20th centuries and how China has emerged as a major power in the 21st century.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

INT 338 - Modern Japan through Film

Course Description:

An exploration of how modern Japan, from the Togugawa period (1600-1867) through the Meiji Restoration (1868), and into the contemporary Showa (1926-1989) and Heisei (1989-) eras, has been constructed and represented in feature films.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

INT 339 - Japan Encounters the World

Course Description:

Focus on the emergence of Japan as a regional economic and political power in Asia, and global actor. Emphasis is given to Japan's historical transformation from isolation in the 17th century to a global power in the 20th and 21st centuries.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

INT 340 - Topics in Europe

Course Description:
Intensive study of a selected topic or theme about Europe. May be repeated under different subtitles.
Credit Hours: 3 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

INT 344 - Russia in the World

Course Description:
Exploration of Russia's internal self perception as a people and state coming to terms with a new existence in the Post-Cold War World. Russia has always perceived itself to be a major global actor, and struggles against Western interpretations of it as an aberrant state, and a regional actor only.
Credit Hours: 3 Course Repeatability: Course may not be repeated. Major Restriction: none Minor Restriction: none

INT 345 - Topics in Latin America

Course Description:
Intensive study of a selected topic or theme about Latin America. May be repeated under different subtitles.
Credit Hours: 3 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

INT 350 - Topics in the Middle East

Course Description:
Intensive study of a selected topic or theme about the Middle East. May be repeated under different subtitles.
Credit Hours: 3 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

INT 351 - The Contemporary Persian Gulf

Course Description:
Examination of the political, social, and economic history and issues of the Persian/Arabian Gulf in the 19th, 20th, and 21st centuries.
Credit Hours: 3 University Studies: ["Building Competencies/Writing Intensive"] Course

Repeatability: Course may not be repeated.

INT 352 - The Contemporary Middle East

Course Description:
Examination of the political, social, and economic history and issues of the modern Middle East.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

INT 353 - Modern Iraq

Course Description:
Examination of the political, social, and economic history and various regional issues concerning the nation-state of Iraq and how it relates to the Middle East region at-large in the 20th and 21st centuries.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

INT 360 - Global Development: African Perspectives

Course Description:
Examination of recent trends in global development based upon broad agendas designed and implemented under the following United Nations frameworks: the Millennium Development Goals (MDGs) and the Sustainable Development Goals (SDGs).
Credit Hours: 3 Course Repeatability: Course may not be repeated.

INT 361 - Ethnic Conflicts and Territorial Disputes

Course Description:
Examination of modern territorial disputes and ethnic conflicts in Asia, Europe, Africa and the Middle East in the 20th and 21st centuries.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

INT 362 - International Human Rights

Course Description:
Examination of basic human rights principles, instruments and institutions, and an overview of current issues and debates in practical and political dynamics of human

rights. Takes a multi-disciplinary approach, drawing together contributions from political and social scientists, philosophers, lawyers, and policy experts and makes extensive use of case studies to illustrate key points.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

INT 363 - Global Political Economy

Course Description:
Explores the dynamic ways in which markets, states, and societies interact with one another, within a context of increasing global economic, political, and cultural interdependence. The course combines a focus on Global Political Economy's main theoretical approaches with the analysis of stringent issues triggered by the expansion and intensification of economic, political, and cultural life at a global level.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

INT 364 - Global Populism

Course Description:
An exploration of old and new populist movements, the causes of their resurgence in the United States and around the world, and their possible long-term consequences.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

INT 365 - Globalization and Social Change

Course Description:
An examination of the relationship between globalization and the contemporary cultural and social changes, focusing on various global and local cultural arenas transformed by late capitalism's societal shift from a structural reliance on language and prohibition of enjoyment, to a mode of existence where images and consumerist enjoyment have become the driving force.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

INT 366 - Comparative Political Regimes through Film

Course Description:
A comparison of post-cold war films produced in Russia, the USA, and China as representatives of three civilizations: Eastern-Orthodox, Confucian, and Western; as

well as of three political regimes; democracy, transitional democracy, and authoritarian.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

INT 367 - America through Foreign Eyes

Course Description:
An examination of how non-Americans view the United States and its citizens. The course will reveal both the positive and negative images of America and Americans, as well as how these images are created and perpetuated and their consequences.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

INT 369 - Edible Culture: Globalization, Food, and Identity

Course Description:
Study of Globalization and its relation to food consumption, health, nutrition, and food supply. Topics include food and cultural traditions, community building, construction of identities, and social relationships.
Course Repeatability: Course may be repeated.

INT 370 - Forced Migration and Refugees

Course Description:
Examines forced migration and the institutional response for resolving large-scale displacement, including the rights and responsibilities of different actors in the contemporary international refugee regime. Considers global and local responses to the challenges of forced migration, investigating the obstacles to providing effective support for displaced persons.
Course Repeatability: Course may not be repeated.

INT 380 - Education in a Global Context

Course Description:
Examination of the field of comparative and international education, including a focus on exploring complex global educational issues of equity, access, and quality. The course explores comparative case studies of education around the world.
Credit Hours: 3 Crosslisting:
EDN 311 .

Course Repeatability: Course may not be repeated.

INT 394 - International Student Exchange

Course Description:
Junior-level designation for UNCW students participating in a semester exchange in another country.
Credit Hours: 1 To 12 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

INT 400 - The Cinema of Globalization

Course Description:
Study of globalization through the lens of cinema. Film as a popular means of socialization reflects and reinforces cultural characteristics, as well as offers a complex image of political life. This course, in line with the so-called "aesthetic turn" in International Studies helps students get a richer understanding of globalization through the medium of film.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

INT 405 - INT 405 - War in the Global System - Masters

Course Description:
Exploration of warfare in the post-Cold War era. Most wars today are Intrastate in nature, centered on identity, issues, and largely a consequence of decolonization processes. Explores these issues through interdisciplinary research drawn from the fields of peace studies and conflict management.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

INT 415 - Global Politics and Everyday Life in the Age of AI

Course Description: Exploration of the transformative impact of AI and machine learning on global politics and daily life, analyzing social trauma, identity, and shifts in time, space, and authority. This interdisciplinary course engages lived experiences, unfolding events, and multilayered analyses to examine security, social fantasy, and ontological challenges. Credit Hours: 3 Course Repeatability: Course may not be repeated.

INT 480 - Global Issues

Course Description:

Intensive study of a selected international topic or theme. May be repeated for credit under a different subtitle.

Credit Hours: 3 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

INT 490 - Senior Seminar in International Studies

Course Description:

Advanced, interdiscipline study of topics that address critical developments and debates of contemporary international importance.

Credit Hours: 3 Prerequisite Courses:

INT 300

Additional Restrictions/Requirements:

International Studies major, and second semester junior or senior standing.

University Studies: ["Building Competencies/Writing Intensive and Information Literacy"] Course Repeatability: Course may not be repeated.

INT 491 - Directed Individual Study

Course Description:

Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.

Credit Hours: 1 To 3 Additional Restrictions/Requirements:

Junior or senior standing, overall GPA of at least 2.00, and consent of instructor, program director and dean.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

INT 494 - International Student Exchange

Course Description:

Senior-level designation for UNCW students participating in a semester exchange program in another country.

Credit Hours: 12 University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

INT 495 - Seminar in International Studies

Course Description:

Research of a selected international topic or theme. May be repeated under different subtitles.

Credit Hours: 3 Prerequisite Courses: INT 105 and INT 300 Additional Restrictions/Requirements:

Prerequisite courses or consent of instructor.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

INT 498 - Internship in International Studies

Course Description:

Experiential learning with selected international agencies and/or setting that provides practical experience. Faculty evaluation of all study and on-site activity will be in consultation with sponsoring agency.

Credit Hours: 1 To 6 Prerequisite Courses:

INT 105

Additional Restrictions/Requirements:

Junior or senior standing in International Studies, overall GPA of 3.00 or consent of instructor.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 6 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:

Additional Course Fee Schedule

INT 499 - Honors Work in International Studies

Course Description:

Independent study for honors students.

Credit Hours: 2 To 3 Additional Restrictions/Requirements:

Senior standing and eligibility for honors program.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

INT ___294 - Departmental Study Abroad

Course Description:

Sophomore-level designation for non-catalogue courses offered by a department abroad. Department attaches its prefix (in place of INT) to the number and lists the course(s) in the coming semester's schedule of classes. May be repeated under different subtitles.

Credit Hours: 1 To 6

INT ___394 - Departmental Study Abroad

Course Description:
Junior-level designation for non-catalogue courses offered by a department abroad. Department attaches its prefix (in place of INT) to the number and lists the course(s) in the coming semester's schedule of classes. May be repeated under different subtitles.
Credit Hours: 1 To 6

INT ___494 - Departmental Study Abroad

Course Description:
Senior-level designation for non-catalogue courses offered by a department abroad. Department attaches its prefix (in place of INT) to the number and lists the course(s) in the coming semester's schedule of classes. May be repeated under different subtitles.
Credit Hours: 1 To 6

Department of Music

http://www.uncw.edu/music
The Department of Music offers two curricula for undergraduates who major in music. The Bachelor of Arts in music provides a broad education in the liberal arts as well as more specialized training for a wide range of career options and/or graduate study in music. The Bachelor of Music in Music Education degree emphasizes music pedagogy and qualifies the student for the North Carolina Class A teaching license while also providing the requisite background in music theory, history and literature, and performance.
In the broadest sense, the primary mission of the Department of Music is to develop musicianship and competency in the specialized area of each student, through the application of creative expression in music performance; serve as a resource for students to explore areas of individual interest related to music in general or to the major; provide opportunities to develop skills for teaching music in the public schools, and as related to the major area of study; and contribute to the enrichment of cultural life and values of the university, community, and southeastern North

Carolina.

Admission to UNCW and the Department of Music consists of a dual admission process. While application to the university is through the Office of Admissions, formal admission to the Department of Music and its degree programs must be made through an audition admission process. Application to the Department of Music may be made before admission to the university is completed. However, acceptance to the Department of Music does not guarantee admission to UNCW and is granted only after acceptance to the university.

Every applicant interested in pursuing a degree in music at UNCW is required to audition before a faculty committee in the performance area(s) selected for acceptance into the music program. Students may audition in more than one area. However, once approved in a principal performance area and/or degree program, another audition will be required to change the principal performance area, pursue multiple performance areas, or change from one degree program to another.

Each applicant desiring a degree in music will be considered by the faculty committee for acceptance on the basis of a successful audition in the applicant's principal performance medium. A satisfactory audition is required of all entering freshman and transfer students. In addition to the audition, students will take both a Theory Placement Examination and a Piano Proficiency Examination. The Theory Placement examination will be used to determine placement within the music theory sequence for the degree program. The Piano Proficiency examination will be used to determine placement within the class piano sequence for the degree program. Students with little or no piano experience will be placed directly into Class Piano I without a Proficiency Examination. Students not successfully passing the Piano Proficiency examination will be required to enroll in the appropriate level of Class Piano, as determined by the examination, in order to make regular progress toward completion of this requirement. Video auditions may be acceptable if distance or scheduling conflicts do not permit a personal audition on one of the regularly scheduled audition dates. Admission to the performance and music education options also requires consent of the music faculty as represented by the program coordinator. Contact the Department of Music for audition application forms, dates, guidelines and additional information: Department of Music, (910) 962-3390, e-mail – uncwmus@uncw.edu, or by mail at the university address.

A minimum final grade of "C-" is required in each music course and a cumulative grade point average of 2.00 or better is required for graduation.

Jazz Studies Minor

Music Education, B.M.

Music Minor

The minor in Music provides students with foundational courses in music theory, aural skills, and music history; performance experience through applied lessons and ensembles; and the opportunity to explore their interests further through their choice of music electives.

Music, B.A.

Designed for the 21st-century musician, the Bachelor of Arts offers innovative areas of study in classical performance, jazz, music technology and entrepreneurship, and general music. The Bachelor of Arts degree is a foundation for a wide range of career options, including performance, private studio teacher, composition, music technology and recording, concert management and promotion, or graduate study in music and/or other academic areas.

Musical Theatre Minor

The interdisciplinary minor in Musical Theatre is offered to students in all majors seeking to enhance their degree with an added focus in the discipline of musical theatre. All students take core coursework in applied voice, dance and movement, scene study and production workshops, and musical theatre history and literature; non-theatre majors take foundational acting courses and non-music majors take foundational courses in musicianship and class voice. For additional information, students should contact the coordinator in the Department of Music.

Popular Music Minor

An interdisciplinary programopento non-majors and studentsmajoringin music or music education, the popular music minor provides students with foundational skills inappliedmusic (voice, piano, guitar, ukulele, electric bass, and drum set); songwriting and composition techniques using digital technology and popular music instruments;courses inmusicianship,historyand literature; and performance opportunities in a variety of ensemble settings. For additional information, students should contact the coordinator of Dr. Jonathan Kladder, coordinator of the popular music program.

Students must complete 6 credits in the Popular Music minor at or above the 300-level.

FNA 101 - Cultures of the World Through Music and Dance

Course Description:
Examination of a variety of musical styles and dance forms from around the world, with attention to cultural issues and practices. Includes participation in dance and musical experiences.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives", "Approaches and Perspectives/Living in a Global Society"] Course Repeatability: Course may not be repeated.

FNA 103 - Pop Divas and the Art of Performance

Course Description:
Interdisciplinary exploration of star singers in American popular culture, from Jenny Lind to Taylor Swift, Beyoncé, and beyond. Focus on the evolution of theatrical components in stage performances, musical and lyrical analysis, fan and media reception, and the metaphorical "performance" of the celebrity self. Selected topics may vary by semester.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives", "Approaches and Perspectives/Living in Our Diverse Nation"] Course Repeatability: Course may not be repeated.

MUS 105 - Rudiments of Music

Course Description:
A general survey of the basic materials of music, listening experiences, sight

singing, ear-training, keyboard, and other related activities. The course is designed for music majors, pre-majors, and music minors preparing for MUS 111 . Prior experience in reading music and performance on an instrument or as a singer is assumed.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

MUS 106 - Exploring Music

Course Description:
Explores the creative process of making music while developing an understanding of basic musical concepts. Designed for students with no musical background who wish to increase their understanding of music. Emphasis on music listening, playing classroom instruments, group singing, improvisation, and music literacy.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive and Literary Perspectives and Living in a Global Society"] Course Repeatability: Course may not be repeated.

MUS 110 - Introduction to Music Technology

Course Description:
Overview of music technology for the music major. Introduction to Digital Audio Workstation environments, basic MIDI sequencing, and traditional notation software.
Credit Hours: 1 Course Repeatability: Course may not be repeated.

MUS 111 - Theory I

Course Description:
An in-depth study of the basic material of music, including notation of pitch and rhythm, intervals, scales and modes, key signatures, and triads.
Lab:
The lab for this course is MUSL 111 .
Credit Hours: 2 Corequisite Courses:
["MUSL 111 "]
Additional Restrictions/Requirements:
Corerequisite course; Theory Placement test required.
University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives"] Course Repeatability: Course may not be repeated.

MUS 112 - Theory II

Course Description:

A study of tonality, triads in inversion, phrase structure and cadences, harmonic progression, the technique of harmonization, and non-harmonic tones.

Lab:

The lab for this course is MUSL 112 .

Credit Hours: 2 Corequisite Courses:

["MUSL 112 "]

Prerequisite Courses:

MUS 111 with a minimum grade of C-

Course Repeatability: Course may not be repeated.

MUS 115 - Music in Society

Course Description:

Comparative study of representative works and aesthetic movements in classical, jazz, popular, and global music traditions from varied historical periods and geographic regions. Focus on how music reflects sociocultural influences, identities, and perspectives in the United States, while also revealing the interconnectedness of peoples and cultures from past centuries to the present day.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives", "Approaches and Perspectives/Living in Our Diverse Nation"] Course Repeatability: Course may not be repeated.

MUS 116 - History of Jazz

Course Description:

A survey of the evolution of this American art form from its African roots and European influences to the present. Technical knowledge of music not required.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives", "Approaches and Perspectives/Living in Our Diverse Nation"] Course Repeatability: Course may not be repeated.

MUS 117 - American Music

Course Description:

A survey of American composers, musicians, and music making from the earliest

days of European settlement to the present. Includes a variety of styles: folk, religious, concert, rock, and more. Technical knowledge of music helpful, but not required.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives", "Approaches and Perspectives/Living in Our Diverse Nation"] Course Repeatability: Course may not be repeated.

MUS 118 - History of Rock

Course Description:
A study of the musicians styles and movements that were central to the development of rock music from the early 1950s to the present. No previous musical knowledge is required.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives"] Course Repeatability: Course may not be repeated.

MUS 120 - Latin American Music

Course Description:
Introduction to the History of Latin American Music and examination of the history of Latin American music. The course aims to broaden the student's appreciation and understanding of Latin American music and society. Throughout the semester we will discuss some of the region's most significant composers, genres, and styles.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

MUS 130 - Chamber Music Workshop

Course Description:
Small instrumental and vocal ensembles. Type of group depends on the availability of personnel. Meets one to two hours weekly with instructor for coaching plus individual practice and weekly rehearsal with partner(s). Previous training required. May be repeated for credit.
Credit Hours: 1 Additional Restrictions/Requirements:
Consent of instructor and department chair.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

MUS 136 - Jazz Theory and Keyboard

Course Description:

Theoretical concepts, aural skill, and basic keyboard skills associated with jazz styles.

Credit Hours: 2 Prerequisite Courses:

MUS 111 and MUSL 111

Course Repeatability: Course may not be repeated.

MUS 140 - Basic Piano for Non-Majors

Course Description:

Note reading, rhythm, technique, other elements of elementary piano playing. Basic repertoire. No previous music study required. Two hours per week. May be repeated for credit.

Credit Hours: 1 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 4

MUS 141 - Class Piano I

Course Description:

Basic piano skills development, including sight-reading, repertoire, major scales and arpeggios, accompanying, and harmonization. Preparation for the piano proficiency exam required of music majors.

Credit Hours: 1 Additional Restrictions/Requirements:

Placement test or consent of department chair.

Course Repeatability: Course may not be repeated.

MUS 142 - Class Piano II

Course Description:

Continued piano skills development of MUS 141 , with the addition of minor scales and arpeggios. Preparation for the piano proficiency exam required of music majors.

Credit Hours: 1 Prerequisite Courses:

MUS 141 with a minimum grade of C-

Course Repeatability: Course may not be repeated.

MUS 143 - Class Guitar I

Course Description:

Intended for beginning guitarists and non-majors. Covers topics such as reading

music on the first five frets of the guitar, basic chord fingerings, technique for beginners, and simple accompaniment methods.
Credit Hours: 1 Course Repeatability: Course may not be repeated.

MUS 144 - Class Guitar II

Course Description:
A continuation of MUS 143 . Intended for intermediate guitarists and non-majors. Covers topics such as reading music in the second position or higher, advanced chord fingerings, studies in picking technique, and harmony as it applies to the fingerboard.
Credit Hours: 1 Prerequisite Courses:
MUS 143 with a minimum grade of C-
Course Repeatability: Course may not be repeated.

MUS 145 - Musicianship for Musical Theatre

Course Description:
Note-reading and basic keyboard skills for non-music majors in the Musical Theatre minor, with a focus on improving students' ability to efficiently learn and prepare musical theatre scores. Other topics include improvement of the singing voice through the study of vocal technique, repertoire, diction, and performance skills.
Credit Hours: 2 Course Repeatability: Course may not be repeated. Minor Restriction: Musical Theatre

MUS 146 - Class Voice I

Course Description:
Intended for beginning singers and non-majors. Singing techniques learned through vocal exercises and study of song literature.
Credit Hours: 1 Course Repeatability: Course may be repeated. Repeat Limit: 2

MUS 150 - Introduction to Music Listening

Course Description:
Guided listening to representative works from Western classical, jazz, popular, and global music traditions. Development of ability to describe elements of compositions and style using basic musical vocabulary. Concert attendance required in addition to

the regular class meeting time.
Credit Hours: 1 University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives"] Course Repeatability: Course may not be repeated.

MUS 180 - Wind Ensemble

Course Description:
The Wind Ensemble is UNCW's premiere wind band comprised of the finest woodwind, brass and percussion players at the university. Membership is by audition and is open to all university students regardless of major. Typically two concerts each semester. May be repeated for credit.
Credit Hours: 1 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 3

MUS 182 - Accompanying

Course Description:
Accumulative credit limited to eight semester hours. Students will be assigned an instrumentalist or vocalist with whom to work. One hourly class meeting per week, plus half hour rehearsal time with soloist per week, and half hour accompanying for the applied lesson of soloist.
Credit Hours: 1 Additional Restrictions/Requirements:
Consent of instructor and department chair.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 8

MUS 183 - Chamber Singers

Course Description:
Select group chosen by audition. The singers study and perform a variety of repertoire written for a smaller choir or chamber group. Three rehearsal hours per week. May be repeated for credit.
Credit Hours: 1 Additional Restrictions/Requirements:
Audition and consent of director.
University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12 Repeat Limit: 11

MUS 184 - Jazz Ensemble

Course Description:

The development of idiomatic performance techniques of jazz music in a variety of styles and mediums through the study of its musicians, as well as performance practices throughout its history. (Intended for students who have had instrumental experience.) May be repeated for credit.
Credit Hours: 1 Additional Restrictions/Requirements:
Audition and consent of instructor.
University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives", "Approaches and Perspectives/Living in Our Diverse Nation"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

MUS 185 - Symphonic Band

Course Description:
The Symphonic Band is an outstanding ensemble consisting of highly talented woodwind, brass and percussion players, including both music majors and non-music majors. Enrollment is open to all UNCW students with previous instrumental experience and the necessary skills to perform on a wind or percussion instrument. Three rehearsal hours per week and typically two concerts each semester. May be repeated for credit.
Credit Hours: 1 University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

MUS 186 - University Chorale

Course Description:
Singers study and perform repertoire of various historical periods and styles appropriate for large chorus. May be repeated for credit.
Credit Hours: 1 Additional Restrictions/Requirements:
Auditions and consent of director.
University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12 Repeat Limit: 11

MUS 187 - Orchestra

Course Description:
Study and performance of the orchestral literature; meets a minimum of two hours

per week and gives two or three performances per semester. Section 001 is the Wilmington Symphony Orchestra, membership by audition only; Section 002 is the UNCW String Ensemble, open to UNCW students without audition. May be repeated for credit.

Credit Hours: 1 Additional Restrictions/Requirements:

Audition and consent of director.

University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

MUS 188 - Pep Band

Course Description:

Study and performance of contemporary music written for athletic bands. The Pep Band provides music at men's and women's basketball home games and other university events. Rehearsal and performances as dictated by the schedule of events. May be repeated for credit.

Credit Hours: 1 Additional Restrictions/Requirements:

The ability to read music and perform at a basic level on a standard pep band instrument and consent of director.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

MUS 189 - Jazz Combo

Course Description:

By audition only. Small group rehearsal and performance of jazz standards, original jazz compositions and arrangements.

Credit Hours: 1 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

MUS 195 - Lower Level Applied Music, Private Lessons

Course Description:

Includes one half-hour private lesson per week and a minimum of one MUS LAB/seminar hour each week. Requires a minimum of five practice hours per week. Intended for BA music majors or music minors. May be repeated for credit.

Credit Hours: 1 Corequisite Courses:

["MUS LAB [Inactive]"]

Additional Restrictions/Requirements:

Corequisite course, audition, consent of Music Department chair and instructor.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

MUS 196 - Lower Level Applied Music, Private Lessons

Course Description:

Corequisite: MUS LAB (appropriate section). Includes one-hour private lesson per week (TBA) and a minimum of one MUS LAB/seminar hours each week. May be repeated for credit.

Credit Hours: 1 Additional Restrictions/Requirements:

Audition; consent of music department chair and instructor. This course is intended for music majors only.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

MUS 203 - Composition

Course Description:

A beginning study of compositional techniques though direct application in original compositions. One hour seminar each week plus a half or full hour private lesson. May be repeated.

Credit Hours: 1 To 2 Prerequisite Courses:

MUS 112 and MUSL 112

Additional Restrictions/Requirements:

Consent of instructor.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

MUS 210 - Digital Music Production

Course Description:

Applications of music technology software for digital music production in Digital Audio Workstation environments, including non-traditional notation systems, intermediate-level work with MIDI sequencing, DAW signal flow, stereo mixing techniques, software-based virtual instruments, and intermediate sampling techniques.

Credit Hours: 2 Prerequisite Courses:

MUS 110 .

Course Repeatability: Course may not be repeated.

MUS 211 - Theory III

Course Description:

A study of the musical process as observed in the literature of the common practice period. Based upon both structural and functional analyses as well as problem solving and controlled composition exercises. Includes secondary dominants, chromatic approach to chords and the concept of modulation.

Lab:

The lab for this course is MUSL 211 .

Credit Hours: 2 Corequisite Courses:

["MUSL 211 "]

Prerequisite Courses:

MUS 112

Course Repeatability: Course may not be repeated.

MUS 214 - Recording Technology I

Course Description:

Introduction to the fundamentals of audio engineering. Technical basics in the "language of audio." Emphasis is on Pro Tools recording software, audio interfaces, project workflow, the principles behind the five main stages of a recording project, and mastering music. Theoretical and practical application of microphones, mic pre-amps, equalizers, compressors, noise gates, effects, room acoustics, gain structure, and signal path.

Credit Hours: 3 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

MUS 215 - Recording Technology II

Course Description:

An in-depth look at Pro Tools recording software including a review of music recording basics, editing, and automation principles while mixing multi-track projects. Students will learn the art of the "creative ear," and final project will utilize the UNCW recording studio to create and complete a multi-track recording project.

Credit Hours: 3 Prerequisite Courses: MUS 214 Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

MUS 220 - African American Music

Course Description:

A survey of the eveolution of African American music from its African roots to current trends in jazz, gospel, R & B, and hip-hop. Technical knowledge of music not required.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Aesthestic, Interpretive and Literary Perspectives", "Approaches and Perspectives/Living in Our Diverse Nation"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

MUS 241 - Class Piano III

Course Description:

Continued piano skills development with an emphasis on fluency, accuracy, and level in major and minor scales and arpeggios, major and minor chord progressions, sight-reading, repertoire, accompanying, and harmonization. Preparation for the piano proficiency exam required of music majors.

Credit Hours: 1 Prerequisite Courses: MUS 142 with a minimum grade of C- Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 1

MUS 242 - Class Piano IV

Course Description:

Continued piano skills development of MUS 241 , with an emphasis on speed, fluency, and accuracy. Piano proficiency exam is the final exam in this course and must be passed in order to pass the course.

Credit Hours: 1 Prerequisite Courses: MUS 241 with a minimum grade of C- Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 1

MUS 243 - String Class

Course Description:

Basic technique on violin, viola, cello, and string bass.

Credit Hours: 1 Additional Restrictions/Requirements:

Consent of instructor.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 1

MUS 244 - Instrumental Techniques I

Course Description:

Basic playing technique on woodwind, brass, and percussion instruments.

Credit Hours: 1 Additional Restrictions/Requirements:

Two semesters of applied music study.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 1

MUS 245 - Instrumental Techniques II

Course Description:

Basic playing technique on woodwind, brass, and percussion instruments.

Credit Hours: 1 Additional Restrictions/Requirements:

Two semesters of applied music study.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 1

MUS 246 - Instrumental Techniques III

Course Description:

Basic playing technique on ukulele, electric bass, and drum set. Students learn beginner and intermediate skills in the popular music idiom, including tablature, lead sheets, and ear-based approaches for learning and performing music.

Credit Hours: 1 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 4 Repeat Limit: 3

MUS 272 - Italian and German Diction for Singers

Course Description:

Italian and German phonetics, principles of lyric diction and sound production, and the international phonetic alphabet as it applies to Italian and German. General principles applicable to diverse periods, styles, and genres of "classical" vocal music set with Italian or German texts.

Credit Hours: 2 Additional Restrictions/Requirements:

Consent of instructor.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 2

MUS 273 - French and English Diction for Singers

Course Description:

French and English phonetics, principles of lyric diction and sound production, and the international phonetic alphabet as it applies to French and English. General principles applicable to diverse periods, styles, and genres of "classical" vocal music set with French or English texts.

Credit Hours: 2 Additional Restrictions/Requirements:

Consent of instructor.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 2

MUS 275 - Keyboard Literature I

Course Description:

A survey of intermediate and advanced keyboard literature of the Renaissance, Baroque, and Classical Periods in relation to contemporary pedagogical use. Historical evolution of instrument design included.

Credit Hours: 3 Additional Restrictions/Requirements:

Minimum of two semesters of MUS 196 or higher and consent of instructor.

Course Repeatability: Course may not be repeated.

MUS 276 - Keyboard Literature II

Course Description:

A survey of intermediate and advanced keyboard literature of the Romantic Period to the present in relation to contemporary pedagogical use.

Credit Hours: 3 Prerequisite Courses:

MUS 275

Additional Restrictions/Requirements:

Prerequisite course and minimum of two semesters of MUS 196 or higher, or consent of instructor.

Course Repeatability: Course may not be repeated.

MUS 284 - Foundations of Music Education

Course Description:

Study of the foundations of teaching music in grades K through 12. Topics include musical skill development, teaching techniques, methods, and materials. Exploration of the artistic processes: performing, creating, responding to, and connecting music with other curricula. Classroom observations and field experiences in K-12 school

settings.
Credit Hours: 3 Prerequisite Courses:
EDN 200 and EDNL 200 [Inactive], or permission of instructor.
Course Repeatability: Course may not be repeated. Major Restriction: Music Education

MUS 285 - Conducting I

Course Description:
Conducting techniques, score-reading skills, issues of interpretation, rehearsal techniques, and associated terminology.
Credit Hours: 2 Prerequisite Courses:
MUS 300 and MUSL 300
Additional Restrictions/Requirements:
Prerequisite courses and passing the appropriate piano proficiency examination.
Course Repeatability: Course may not be repeated.

MUS 286 - Conducting II

Course Description:
More advanced conducting techniques, score-reading skills, issues of interpretation, rehearsal techniques, and associated terminology.
Credit Hours: 2 Prerequisite Courses:
MUS 285
Course Repeatability: Course may not be repeated.

MUS 300 - Theory IV

Course Description:
A survey of post-tonal music and techniques of the 20th and 21st centuries.

Lab:
The lab for this course is MUSL 300 .
Credit Hours: 2 Corequisite Courses:
["MUSL 300"]
Prerequisite Courses:
MUS 211
Course Repeatability: Course may not be repeated.

MUS 301 - Form/Analysis

Course Description:

A study of forms common in Western music from 1600 to the present and the development of skills in analysis.

Credit Hours: 3 Prerequisite Courses:

MUS 300

Course Repeatability: Course may not be repeated.

MUS 302 - Modal Counterpoint

Course Description:

A study of strict contrapuntal practice as observed in the church music of Palestrina, Lassus and other 16th-century composers. Includes writing in 2, 3, and 4 voices in imitative and non-imitative styles.

Credit Hours: 2 Prerequisite Courses: MUS 301 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 2

MUS 305 - Beat Making

Course Description:

Comprehensive overview of Hip Hop beat making. Fosters each student development as a beat maker, in in EDM, house, dance/club, top 40, drum and bass, boom bap or any other subgenre of interest. No prerequisite. 2 credits hours.

Credit Hours: 2 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

MUS 306 - Orchestration and Arranging

Course Description:

Techniques of transcribing, arranging, and scoring music for various vocal and instrumental combinations.

Credit Hours: 2 Prerequisite Courses:

MUS 300 and MUSL 300

Course Repeatability: Course may not be repeated.

MUS 307 - Songwriting

Course Description:

Study of basic songwriting styles and techniques, including methods for developing the skills and knowledge to construct well-crafted lyrics, melodies, and chords. Students develop their musical identity and critical listening skills through analysis, discussion, synthesis, and songwriting activities.
Credit Hours: 2 Prerequisite or Corequisite Courses:
MUS 110 .
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 4 Repeat Limit: 1

MUS 308 - Jazz Arranging

Course Description:
Arranging and scoring the jazz combo, with emphasis on contemporary styles. Presentation in both lecture and performance format.
Credit Hours: 2 Prerequisite Courses:
MUS 300 and MUS 315
Course Repeatability: Course may not be repeated.

MUS 309 - Jazz Arranging II

Course Description:
Arranging and scoring the large jazz ensemble with emphasis on contemporary styles. Lecture and performance format.
Credit Hours: 2 Prerequisite Courses:
MUS 308
Course Repeatability: Course may not be repeated.

MUS 310 - Film Scoring and Video Game Music

Course Description:
Intermediate study of digital sound synthesis, sampling, and MIDI sequencing, with an emphasis on scoring for film and video games.
Credit Hours: 3 Prerequisite Courses:
MUS 214 .
Course Repeatability: Course may not be repeated.

MUS 311 - Live Sound Production

Course Description:

Introduction to the essentials of live sound production. Overview of sound system designs, operation, mixing live events, equipment, software, acoustics, stage management, and safety protocols. Study and application of common techniques used for amplifying and mixing sound sources in various event environments.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

MUS 315 - Jazz Improvisation I

Course Description: Development of materials and practice for basic improvisational skills in the jazz idiom. Performance-oriented course exploring a variety of methods to gain a better understanding of the art of improvisation. Credit Hours: 2 Prerequisite Courses: MUS 111 and MUS 112 Course Repeatability: Course may not be repeated. Major Restriction: Music, B.A. Minor Restriction: Jazz Studies Minor

MUS 316 - Jazz Improvisation II

Course Description:
Development of materials and practice for advanced improvisational skills in the jazz idiom. A performance-oriented course that explores a variety of methods to gain a better understanding of the art of improvisation.
Credit Hours: 2 Prerequisite Courses:
MUS 315
Course Repeatability: Course may not be repeated. Major Restriction: Music, B.A. Minor Restriction: Jazz Studies Minor

MUS 320 - Pedagogy for Beginning Band Instruments

Course Description:
Principles for teaching woodwind, brass, and percussion instruments to beginners. Field experience required.
Credit Hours: 2 Prerequisite Courses:
MUS 244 and MUS 245
Course Repeatability: Course may not be repeated. Additional Fees Link:
Additional Course Fee Schedule

MUS 325 - Jazz Ensemble Techniques

Course Description:
Basic rehearsal techniques and methods for developing and directing a high school

jazz ensemble. Lecture format and practical conducting experience with one of the university's jazz ensembles.
Credit Hours: 1 Prerequisite Courses:
MUS 285
Course Repeatability: Course may not be repeated.

MUS 326 - General Music Methods

Course Description:
Methodology for teaching music in the classroom; lesson planning; computer applications; music textbooks and materials for K-12.
Lab:
The lab for this course is MUSL 326 .
Credit Hours: 3 Corequisite Courses:
MUSL 326 .
Prerequisite Courses:
MUS 284
Additional Restrictions/Requirements:
Admission to the Watson College of Education or permission of instructor.
Course Repeatability: Course may not be repeated. Major Restriction: Bachelor of Music Education

MUS 331 - Measurement and Evaluation in Music Education

Course Description:
Development of learning outcomes. Measurements of musical behaviors, test construction, interpretation of data and results.
Credit Hours: 1 Prerequisite Courses:
MUS 326 and (MUS 373 or MUS 377)
Course Repeatability: Course may not be repeated.

MUS 333 - Opera Workshop

Course Description:
The musical preparation and staging of operatic scenes through dramatic interpretation and body movement. Three rehearsal hours per week. May be repeated for credit.
Credit Hours: 1 Additional Restrictions/Requirements:

Four semesters of applied voice or consent of instructor.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 4

MUS 334 - Musical Theatre Performance Techniques

Course Description:
Overview of the musical basic skills and performance techniques necessary to successfully perform musical theatre.
Credit Hours: 1 Course Repeatability: Course may not be repeated. Minor Restriction: Musical Theatre

MUS 335 - Musical Theatre Workshop

Course Description:
Musical preparation and staging of musical theatre scenes through dramatic interpretation and body movement. Three rehearsal hours per week. May be repeated for credit.
Credit Hours: 1 Prerequisite Courses:
MUS 334 .
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 4 Repeat Limit: 3 Minor Restriction: Musical Theatre

MUS 340 - Film Music

Course Description:
Introduction to the history and critical interpretation of film music, with a focus on feature-length narrative films. Survey of film scoring styles and evolving sound technologies from the late nineteenth century to the present day.
Credit Hours: 3 University Studies: ["Building Competencies/Writing Intensive", "Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives"] Course Repeatability: Course may not be repeated.

MUS 341 - American Musical Theatre

Course Description:
History and interpretation of American musical theatre from a variety of perspectives, including musical style, the role of dance, film realizations, cultural critique, racial and ethnic identity, and politics.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and

Literary Perspectives", "Approaches and Perspectives/Living in Our Diverse Nation"] Course Repeatability: Course may not be repeated.

MUS 342 - Women in Music

Course Description:
Analysis of music literature composed, performed, and/or produced by women, as well as examination of roles and representations of women in music, from the Middle Ages to the present day. Case studies drawn from Western classical, jazz, global, and popular music traditions. Selected topics may vary by semester.
University Studies: ["Approaches and Perspectives/Living in Our Diverse Nation", "Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives"] Course Repeatability: Course may not be repeated.

MUS 344 - Class, Gender, and Sexuality in African American Music

Course Description:
Application of musical analysis and cultural studies to examine the intersections of race, class, gender and sexuality in African American musical traditions and among African American musicians. Technical knowledge of music not required.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

MUS 345 - Latin American Popular Music

Course Description:
Survey of popular music genres in Latin America, focusing on musical characteristics and components, instruments and performance techniques, and historical developments in their evolving musical forms. Music will be presented with contextual information on the social, religious, and economic history of each region.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in a Global Society"] Course Repeatability: Course may not be repeated.

MUS 351 - Introduction to Music History I: Middle ages - Classical Periods

Course Description:
Overview of music history and literature, stressing the stylistic developments of music and related social and historical events of the Middle Ages, Renaissance,

Baroque and Classical periods.
Credit Hours: 3 Prerequisite Courses:
MUS 150
Additional Restrictions/Requirements:
Prerequisite course or consent of instructor.
University Studies: ["Approaches and Perspectives/Historical and Philosophical Approaches", "Building Competencies/Writing Intensive", "Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

MUS 352 - Introduction to Music History II: Romantic-Contemporary Periods

Course Description:
Overview of music history and literature, stressing the stylistic developments of music and related social and historical events of the Romantic and Contemporary periods.
Credit Hours: 3 Prerequisite Courses: MUS 150 Additional Restrictions/Requirements:
Prerequisite course or consent of instructor.
University Studies: ["Approaches and Perspectives/Historical and Philosophical Approaches", "Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

MUS 364 - History of Music IV: 20th and 21st Centuries

Course Description:
Music history and literature of the 20th and 21st centuries (contemporary period).
Credit Hours: 2 Prerequisite Courses:
MUS 352
Additional Restrictions/Requirements:
Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

MUS 365 - Advanced Jazz History

Course Description:
Examination of jazz history, from the early twentieth century to today, with emphasis on the music's origins, development, and main contributors. Analysis of harmony, form, and style features while improving listening skills. By the end, students engage in a more profound intellectual discussion about jazz.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

MUS 370 - Pedagogy and Literature I

Course Description:

Materials, methods, literature, and skills for teaching the beginning through early intermediate-level private student, particularly in the individual studio setting. Business aspects of setting up a teaching studio. Faculty supervision of required practical field experience.

Credit Hours: 3 Additional Restrictions/Requirements:

Consent of instructor.

Course Repeatability: Course may not be repeated.

MUS 373 - Instrumental Methods

Course Description:

Methodology for teaching instrumentalists in an ensemble setting from upper elementary through high school level. Rehearsal planning and procedure, materials, computer applications, and basic marching band techniques.

Lab:

The lab for this course is MUSL 373 .

Credit Hours: 3 Corequisite Courses:

MUSL 373 .

Prerequisite Courses:

MUS 284 .

Additional Restrictions/Requirements:

Admission to the Watson College of Education or permission of instructor.

Course Repeatability: Course may not be repeated. Major Restriction: Bachelor of Music Education

MUS 374 - Pedagogy and Literature II

Course Description:

Materials, methods, and skills for teaching the advanced-level private student, particularly in the individual studio setting. A survey of intermediate and advanced literature from the 17th century to the present.

Credit Hours: 3 Prerequisite Courses:

MUS 370

Additional Restrictions/Requirements:

Prerequisite course and consent of instructor.

Course Repeatability: Course may not be repeated.

MUS 377 - Choral Methods

Course Description:

Goals, objectives, methodology, and assessment procedures for teaching choral music. Topics may include repertoire and programming, learning theory applied to choral rehearsal, group vocal training techniques, rehearsal procedures, and program management strategies.

Lab:

The lab for this course is MUSL 377 .

Credit Hours: 3 Corequisite Courses:

MUSL 377 .

Prerequisite Courses:

MUS 284 .

Additional Restrictions/Requirements:

Admission to the Watson College of Education or permission of instructor.

Course Repeatability: Course may not be repeated. Major Restriction: Bachelor of Music Education

MUS 381 - Music Entrepreneurship

Course Description:

A survey of the history and practices of the music industry, with an emphasis on evolving practices, emerging opportunities, and innovation in career planning, as well as methods and practices of artist representation and self-promotion.

Credit Hours: 3 Additional Restrictions/Requirements:

Consent of instructor.

Course Repeatability: Course may not be repeated.

MUS 382 - Music Industry

Course Description:

A survey of the structures, economics, and operations of the recording industry; music publishing and distribution systems; intellectual property; and issues related to live music performance, with an emphasis on copyright law, contracts, and

licensing, as well as marketing and promotional strategies of major and independent record labels, music publishers, and various media.
Credit Hours: 3 Prerequisite Courses:
MUS 381
Course Repeatability: Course may not be repeated.

MUS 393 - Junior Recital

Course Description:
A performance of at least 20 minutes of repertoire selected from the appropriate levels of difficulty.
Credit Hours: 1 Additional Restrictions/Requirements:
Consent of faculty.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 2 Repeat Limit: 1

MUS 396 - Upper Level Applied Music, Private Lessons

Course Description:
Corequisite: MUS LAB (appropriate section). Includes one-hour private lesson per week (TBA) and a minimum of one MUS LAB/seminar hour each week. This course is restricted to music majors who have passed the upper level qualifying jury. May be repeated for credit.
Credit Hours: 1 Additional Restrictions/Requirements:
Audition; consent of Music Department Chair and instructor.
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 12

MUS 401 - Introduction to Orff-Schulwerk

Course Description:
Two-week, interactive course provides an introductory study of the Orff-Schulwerk approach to music and movement education. Intended for pre-service music educators, emphasizes the Orff process as demonstrated and experienced through a range of creative activities and assignments during 60 contact hours. Specific applications for general music in grades K-8, topics include movement and musical skill development.
Credit Hours: 3 Prerequisite Courses:
MUS 326 with a "B" or better and MUSL 326 with a "B" or better
Course Repeatability: Course may not be repeated. Major Restriction: BM Music Education

MUS 402 - Marching Band Pedagogy

Course Description:

Field experience in a high school marching band program. Marching basics, show planning fundamentals, rehearsal techniques, program philosophy and management.

Credit Hours: 2 Prerequisite Courses:

MUS 373

Additional Restrictions/Requirements:

Prerequisite course and consent of the instructor.

Course Repeatability: Course may not be repeated. Additional Fees Link:
Additional Course Fee Schedule

MUS 403 - Advanced Composition

Course Description:

Advanced study of compositional techniques through direct application in original compositions. One hour seminar each week plus a full hour private lesson. May be repeated.

Credit Hours: 3 Prerequisite Courses:

MUS 203

Additional Restrictions/Requirements:

Prerequisite course and consent of instructor. Music majors only.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

MUS 485 - Advanced Conducting

Course Description:

Choral or instrumental conducting techniques. Students work with the appropriate ensemble using selected literature, e.g. orchestral, wind ensemble, jazz ensemble, choral ensemble, for the various media. (Enrollment restricted to availability of laboratory ensembles and to students of exceptional background and aptitude in the field of conducting.)

Credit Hours: 2 Prerequisite Courses:

MUS 285 and MUS 286

Additional Restrictions/Requirements:

Prerequisite course and consent of instructor.

Course Repeatability: Course may not be repeated.

MUS 490 - Thesis

Course Description:
A research thesis in a subject to be determined in consultation with the music faculty during the semester preceding the taking of this course.
Credit Hours: 1 Course Repeatability: Course may not be repeated.

MUS 491 - Directed Individual Study

Course Description:
Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.
Credit Hours: 1 To 3 Additional Restrictions/Requirements:
Junior or senior standing, overall GPA of at least 2.00, and consent of instructor, department chair and dean.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

MUS 493 - Senior Recital

Course Description:
A performance of at least 40 minutes of repertoire selected from the appropriate levels of difficultly.
Credit Hours: 1 Additional Restrictions/Requirements:
Consent of the music faculty.
University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 2 Repeat Limit: 1

MUS 495 - Seminar in Music

Course Description:
Consideration of special subjects not covered in detail in regular course offerings. More than one topic may be taken for credit.
Credit Hours: 1 To 3 Additional Restrictions/Requirements:
Junior or senior standing.
University Studies: ["Common Requirements/Critical Reasoning"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

MUS 496 - Senior Seminar in Music

Course Description:

Synthesis and application to a specific topic in the student's principal area of interest, chosen, in consultation with the instructor, from previous musical study or from areas beyond what is offered in regular course offerings. Students meet together one hour per week to discuss their work; in addition, each student meets individually with a specialist who supervises project. May be repeated under a different subtitle.

Credit Hours: 3 Additional Restrictions/Requirements:

Senior standing.

University Studies: ["Explorations Beyond the Classroom", "Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 6

MUS 498 - MUS 498 - Internship in Music - Hoke

Course Description:

Academic training and practical field experience through a program of work and study within an agency and/or setting related to the student's principal area of interest. Faculty supervision and evaluation of all study and on-site activity. A maximum of six credit hours may be applied toward the degree.

Credit Hours: 3 Additional Restrictions/Requirements:

Junior or senior standing and consent of Music department chair and instructor.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12 Repeat Limit: 3 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

MUS 499 - Honors Work in Music

Course Description:

Independent study for honor students.

Credit Hours: 2 To 3 Additional Restrictions/Requirements:

Junior or senior standing, eligibility for honors program, and consent of Music department chair and instructor.

University Studies: ["Explorations Beyond the Classroom", "Critical Reasoning"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

MUSL 111 - Aural Skills and Sight-Singing I

Course Description:

Includes melodic, harmonic and rhythmic dictation and sight-singing using the materials introduced in MUS 111 .

Lab:

This course is the lab for MUS 111 .

Credit Hours: 1 Corequisite Courses:

["MUS 111 "]

Course Repeatability: Course may not be repeated.

MUSL 112 - Aural Skills and Sight-Singing II

Course Description:

Includes melodic, harmonic, and rhythmic dictation, and sight-singing using the materials introduced in MUS 112 .

Lab:

This course is the lab for MUS 112 .

Credit Hours: 1 Corequisite Courses:

["MUS 112 "]

Prerequisite Courses:

MUSL 111

Course Repeatability: Course may not be repeated.

MUSL 211 - Aural Skills and Sight-Singing III

Course Description:

Includes melodic, harmonic, and rhythm dictation, and sight-singing using the materials introduced in MUS 211 .

Lab:

This course is the lab for MUS 211 .

Credit Hours: 1 Corequisite Courses:

["MUS 211 "]

Prerequisite Courses:

MUSL 112

Course Repeatability: Course may not be repeated.

MUSL 300 - Aural Skills and Sight-Singing IV

Course Description:

Dictation and transcription problems, sight-singing of choral and instrumental works.

Lab:

This course is the lab for MUS 300 .

Credit Hours: 1 Corequisite Courses:

["MUS 300 "]

Prerequisite Courses:

MUSL 211

Course Repeatability: Course may not be repeated.

MUSL 326 - Field Experience in General Music

Course Description:

Lab course designed to provide supervised field experiences in general music with public school students. Observation and reflection; application of pedagogy.

Lab:

This course is the lab for MUS 326 .

Credit Hours: 1 Corequisite Courses:

["MUS 326 "]

Course Repeatability: Course may not be repeated. Additional Fees Link:
Additional Course Fee Schedule

MUSL 373 - Field Experience in Instrumental Music

Course Description:

Supervised instrumental music field experiences with public school students. Observation and reflection; application of pedagogy.

Lab:

This course is the lab for MUS 373 .

Credit Hours: 1 Corequisite Courses:

["MUS 373 "]

Course Repeatability: Course may not be repeated. Additional Fees Link:
Additional Course Fee Schedule

MUSL 377 - Field Experience in Choral Music

Course Description:
Supervised choral music field experiences with public school students. Observation and reflection; application of pedagogy.
Lab:
This course is the lab for MUS 377 .
Credit Hours: 1 Corequisite Courses:
["MUS 377 "]
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 1 Additional Fees Link:
Additional Course Fee Schedule

Department of Philosophy and Religion

http://www.uncw.edu/par
The Department of Philosophy and Religion seeks to foster understanding of philosophy and religion and a critical appreciation of the deepest issues of human experience of the past and of the present, in our own and in other cultures. The department offers a Bachelor of Arts degree with an emphasis in philosophy and a Bachelor of Arts degree with an emphasis in the study of religion. It also offers a minor in philosophy and a minor in religion.

Philosophy and Religion, B.A.

The Bachelor of Arts (BA) in Philosophy and Religion offers students an interdisciplinary pathway for studying philosophical and religious traditions around the world. Students who complete this BA develop critical skills in analytical thinking, reasoning and logic, cultural and historical awareness, information literacy, and thoughtful expression, all of which are essential for navigating global politics, economic contexts, and professional life, as well as for engaging with peoples of different philosophical and religious backgrounds. Courses in philosophy explore questions in metaphysics, epistemology, logic, philosophy of science, ethics, bioethics, social and political philosophy, and aesthetics. They teach students how to analyze complex questions such as: how to live ethically, how to form beliefs properly, how to reason well, how to understand the connection between the mind and body, how to understand justice, and how to live a fulfilling life. Courses in religion examine the history, peoples, practices, beliefs, and objects of Africana

Religions, Indigenous lifeways, Judaism, Catholicism, Protestantism, Islam, Hinduism, Buddhism, new religious movements, esoteric traditions, and other religious practices, cultures, and sensibilities. These courses train students how to interrogate the complex relationships between religion, race, racism, gender, politics, material culture, and technology.

Philosophy Minor

Students who complete the minor in Philosophy develop critical skills in analytical thinking and thoughtful expression, which are essential for navigating professional life and engaging peoples of different philosophical backgrounds. Courses in philosophy explore questions in metaphysics, epistemology, logic, philosophy of science, ethics, medical ethics, social and political philosophy, and aesthetics. They teach students how to analyze complex questions such as: how to live ethically, how to form beliefs properly, how to reason well, how to understand the connection between the mind and body, how to understand the complexities of justice, and how to live a fulfilling life.

Religion Minor

PAR 101 - The Big Questions: Introduction to Philosophy

Course Description:
Introduction to various philosophers and philosophical problems from historical, critical, and other perspectives. Addresses the big questions of human existence, such as: What is right and wrong? Does God exist? How do we know anything about the world around us? Students learn what a philosophical question is and discover just how pervasive philosophical assumptions are in life.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Historical and Philosophical Approaches", "Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated.

PAR 103 - Exploring Religions

Course Description:
Introduction to the academic study of religion. Explores the many diverse

religions practiced around the world and the ways practitioners construct religious experiences through scriptures, art, gender, race, and community.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Historical and Philosophical Approaches"] Course Repeatability: Course may not be repeated.

PAR 105 - Critical Reasoning With Artificial Intelligence

Course Description:
Introduction to the principles of proper reasoning through the use of generative AI. Exploration of how to assess the reasoning of AI and how to use AI to improve one's own argumentation. Study of the contrast between good and bad forms of reasoning as manifested by both humans and AI.
University Studies: ["Critical Reasoning"] Course Repeatability: Course may not be repeated.

PAR 110 - Introduction to Logic

Course Description:
Introduction to the principles of logic including the rules of deduction, the categorical syllogism, induction, and fallacies. Initiation in computer logic programs.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

PAR 115 - Introduction to Ethics

Course Description:
An introduction to fundamental principles, theories, and problems in ethics.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Historical and Philosophical Approaches", "Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated.

PAR 125 - Scriptures of the World's Religions

Course Description:
Introduction to the history and composition of scriptures of the world's religions from oral stories to words, images, objects, books, performances, sounds, and texts. Examines how scriptures in major Eastern and Western religions have constructed historical, political, social, and cultural realities through various forms of art from antiquity to today.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives", "Approaches and Perspectives/Historical and Philosophical Approaches",

"Approaches and Perspectives/Living in a Global Society"] Course Repeatability: Course may not be repeated.

PAR 141 - Research Tools for Historical and Textual Criticism--Greek

Course Description:

Basic study of the Greek language with special attention to that of the New Testament.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

PAR 142 - Intermediate Greek

Course Description:

Continued study of the Greek language with attention to texts from the Hellenistic world.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

PAR 201 - History of Western Philosophy I

Course Description:

A survey of Western philosophical thought in ancient and medieval times. Emphasis on the Greek origins of the philosophical tradition. Readings from the Pre-Socratics, Plato, Aristotle, Roman philosophy and such Christian thinkers as Augustine and Thomas Aquinas.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Historical and Philosophical Approaches", "Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated.

PAR 202 - Modern Philosophy: Descartes to Kant

Course Description:

Introduction to the major topics of Western philosophy during the modern period, including skepticism, the existence of God, and the source of our ideas. Analysis of the thought of philosophers such as Descartes, Elizabeth of Bohemia, Locke, Berkeley, Leibniz, Hume, and Kant.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Historical and Philosophical Approaches", "Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated.

PAR 205 - American Philosophy

Course Description:

A survey of American philosophical thought from colonial times to the present. Readings from such American thinkers as Jonathan Edwards, the Federalist authors, Thoreau, James, Dewey and Quine.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Historical and Philosophical Approaches", "Approaches and Perspectives/Living in Our Diverse Nation"] Course Repeatability: Course may not be repeated.

PAR 211 - Philosophy of Human Nature

Course Description:

A survey and evaluation of past and present theories of human nature; to include such topics as nature and culture, freedom and rationality, issues in gender identity, and theories of education and human development.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Historical and Philosophical Approaches", "Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated.

PAR 213 - Existentialism

Course Description:

An introduction to major themes in existential thought such as freedom, authenticity, death of God, the meaning of life. Primary source readings from existential authors, e.g., Kierkegaard, Nietzsche, Heidegger, Sartre, Marcel.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Historical and Philosophical Approaches"] Course Repeatability: Course may not be repeated.

PAR 215 - Medical Ethics: Life and Death Decisions in Health Care

Course Description:

Examination of the principles and problems in the application of ethical theory to medical research and practice.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Historical and Philosophical Approaches"] Course Repeatability: Course may not be repeated.

PAR 220 - Race and Social Justice

Course Description:

Introduction to philosophical issues in race and social justice. Topics include race and identity, discrimination, multiculturalism, affirmative action, anti-racism.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in Our Diverse Nation", "Approaches and Perspectives/Historical and Philosophical Approaches"] Course Repeatability: Course may not be repeated.

PAR 221 - Mindfulness and Racial Justice

Course Description:

Introduction to mindfulness and its application to racial justice issues and efforts. Explores mindfulness as a contemplative practice and discusses its similarities and differences with religious contemplative practices of meditation, prayer, silence, and stillness. Adopts an intersectional approach that considers interlocking systems of oppression in the United States.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Historical and Philosophical Approaches/Living in a Diverse Nation", "Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated.

PAR 222 - The Contemplative Life

Course Description:

Examination of the contemplative life in global philosophical and religious traditions from past and present, including Buddhism, Christianity, Daoism, Hinduism and Stoicism. Discusses the goals and methods of contemplative practice and includes experiential learning opportunities to explore contemplation beyond the classroom throughout the semester.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Historical and Philosophical Approaches", "Approaches and Perspectives/Living in a Global Society", "Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated.

PAR 225 - Religion and Gender

Course Description:

Introduction to the study of gender in religious studies. Examines how constructions of gender have influenced the practice of religion and definitions of agency, power,

and liberation among religious people. Topics vary.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Historical and Philosophical Approaches", "Approaches and Perspectives/Living in Our Diverse Nation", "Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

PAR 230 - Judaism, Christianity, and Islam

Course Description:
Survey of the history of Judaism, Christianity, and Islam from their origins in the Middle East over 3,500 years ago to their diverse practices, scriptures, art, and communities around the world today.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Historical and Philosophical Approaches", "Approaches and Perspectives/Living in a Global Society", "Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

PAR 232 - Asian Religions

Course Description:
A survey of Hinduism, Buddhism, Taoism, and Confucianism; historical aspects, basic insights, contemporary relevance.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Historical and Philosophical Approaches", "Approaches and Perspectives/Living in a Global Society"] Course Repeatability: Course may not be repeated.

PAR 233 - African Religions

Course Description:
Religions of Africa, including traditional and non-traditional religious systems, and their impact on African societies and Africanism in the Americas.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Historical and Philosophical Approaches", "Approaches and Perspectives/Living in a Global Society"] Course Repeatability: Course may not be repeated.

PAR 235 - Introduction to the Old Testament

Course Description:
Historical study of the Hebrew Scriptures and their cultural background; focus on the values, problems, and perceptions of the human condition reflected in these texts and archaeological data related to them.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Historical and Philosophical Approaches", "Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

PAR 236 - Introduction to the New Testament

Course Description:
Historical survey of the canonical Christian literature; illustration of contemporary methods of text-criticism, literary-criticism, form-criticism, and redaction-criticism; focus on results of modern scholarship in appreciating the Gospels and their function in the early Christian community.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Historical and Philosophical Approaches"] Course Repeatability: Course may not be repeated.

PAR 240 - Religion, Race, and Social Justice

Course Description:
Exploration of race and racism in the United States through theoretical, historical, political and religious constructions during slavery, colonialism, and Jim-Crowism. Examination of white supremacy, anti-Black oppression, the resistance to racism, and impacts on contemporary social life.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in a Diverse Nation"] Course Repeatability: Course may not be repeated.

PAR 242 - Religion in America

Course Description:
Study of religion in American history from the colonial era to the present-day United States. Examines the religious practices of Native Americans, Protestants, Catholics, Jews, Muslims, and others by interrogating the relationships between religion, material culture, race, gender, and politics.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Historical and Philosophical Approaches", "Approaches and Perspectives/Living in Our Diverse Nation", "Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

PAR 245 - Political Theology & Race: Religious Racism and Religious Anti-Racism

Course Description:

Study of political theology, with a focus on race. Complex exploration into the ways of religion and politics in the West and the reimagined conceptions of religion and politics found in alternative/otherwise imaginaries of Black (religious) experience.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in Our Diverse Nation"]
Course Repeatability: Course may not be repeated.

PAR 255 - The Bible in America

Course Description:
Exploration of textual and material interpretations of the Bible in Black and White Christian communities in the United States. Consideration of slavery and the Civil War; the Civil Rights Movement; the Bible as song, performance, and object; and the Bible's role in constructing gender, race, and politics in American life.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in a Diverse Nation"]
Course Repeatability: Course may not be repeated.

PAR 265 - Philosophy and Film

Course Description:
Examines the relationships between philosophical inquiry and motion pictures, including how philosophical ideas have influenced film as well as the use of film as a medium for expressing and analyzing philosophical issues. Readings include great works of philosophy from ancient, modern, and contemporary times.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

PAR 300 - Philosophical Writing

Course Description:
Instruction in a variety of philosophical writing styles and strategies used to communicate philosophical concepts, including but not limited to: use of primary and secondary sources, style in scholarly essays; literary devices such as analogies and metaphors; argument and construction and refutation; methods of inquiry.
Credit Hours: 3 Prerequisite Courses:
PAR 101
University Studies: ["Building Competencies/Information Literacy", "Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

PAR 301 - Methods in Religious Studies

Course Description:

Examination of the relation of religion to social and psychological forces, including feminist and post-modern approaches to religion, and issues related to globalization. Topics include addressing the academic study of religion as an enterprise occurring in specific moments of modern intellectual history, and examining ongoing conceptual developments in the field.

Credit Hours: 3 Prerequisite Courses:

PAR 103 or PAR 125

University Studies: ["Building Competencies/Writing Intensive", "Building Competencies/Information Literacy", "Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated.

PAR 302 - Plato

Course Description:

Study of the Dialogues of Plato. Analysis of texts; contemporary interpretations.

Credit Hours: 3 Prerequisite Courses:

PAR 101 or PAR 201

Additional Restrictions/Requirements:

Prerequisite courses or consent of instructor.

Course Repeatability: Course may not be repeated.

PAR 303 - Aristotle

Course Description:

An examination of Aristotle's philosophy through selected texts, supplemented with contemporary criticisms. Aristotle's criticisms of Plato; problems of interpretation.

Credit Hours: 3 Prerequisite Courses:

PAR 101 or PAR 201

Course Repeatability: Course may not be repeated.

PAR 304 - American Islam

Course Description:

Survey of the history of American Islam from colonial America to the present day United States by examining the Qur'an's influence on religious freedom in the

nation's founding documents, the religious practices of Muslims enslaved in antebellum America, the relationships between the Nation of Islam and the Civil Rights Movement, and Muslim women's choice to wear (and not wear) hijab.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in a Diverse Nation"]
Course Repeatability: Course may not be repeated.

PAR 305 - Black Religions Along the Cape Fear

Course Description:
Survey of Black religions in and around the Cape Fear region from the 1800s to today. Explores how Black Americans have practiced Christianity, Islam, Conjure, Gullah-Geechee culture, and other traditions using images, objects, texts, memories, and stories to enact individual, communal, religious and political autonomy.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in Our Diverse Nation"]
Course Repeatability: Course may not be repeated.

PAR 307 - Memoirs of Black Religion: Life-Narratives as Religious Sources

Course Description:
Study of memoirs and autobiographical texts by Black people from slavery through the twenty-first century, focusing on the intersection of religion and race. Complex exploration into the ways of religion and spirituality in the history of Black communities in America, and their otherwise imaginaries of spiritual transformation, self-making, becoming, maturing, belonging, resisting, liberating, and dreaming.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in Our Diverse Nation"]
Course Repeatability: Course may not be repeated.

PAR 310 - Legal Philosophy and Jurisprudence

Course Description:
An introduction to the nature, concept and sources of law and the various schools of jurisprudence. Topics treated include: natural law; historical, analytical and sociological jurisprudence; idealism, utilitarianism and legal realism; equity, justice, precedent, custom and law, and the relation of law and morality.
Credit Hours: 3 Additional Restrictions/Requirements:
Junior or senior standing or consent of instructor.
Crosslisting:
PLS 310

Course Repeatability: Course may not be repeated.

PAR 312 - Ethics of Artificial Intelligence

Course Description:

Introduction to major topics in the ethics of artificial intelligence, including the proper role of AI in moral decision-making, the potential for AI to have moral status, the relevance of AI to issues of academic integrity, and the potential for AI to engage in racial discrimination.

Course Repeatability: Course may not be repeated.

PAR 313 - Justice, Rights, and the Common Good: Philosophical Perspectives on Socio-Political Issues

Course Description:

Exploration of philosophical issues and concepts central to an understanding of social and political life, for example function and cause, justice, liberty, equality, societal facts and laws, utopias, reason and political argument, political obligation, and the public interest.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in Our Diverse Nation", "Critical Reasoning", "Approaches and Perspectives/Historical and Philosophical Approaches"]

Course Repeatability: Course may not be repeated.

PAR 315 - Media Ethics

Course Description:

An examination of ethical issues in the media, including print and broadcast journalism, advertising, public relations, and the entertainment media.

Credit Hours: 3 Prerequisite Courses:

PAR 101 or PAR 115

Additional Restrictions/Requirements:

Prerequisite courses or consent of instructor.

Course Repeatability: Course may not be repeated.

PAR 316 - PAR 316 - Philosophy of Art - Smithson

Course Description:

Introduction to major topics from aesthetics and the philosophy of art, including the objectivity/subjectivity of beauty, the political significance of art, and art's relevance

to authenticity, self-expression, and moral education.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives"] Course Repeatability: Course may not be repeated.

PAR 317 - Epistemology

Course Description:
Fundamental issues in theory of knowledge: nature of knowledge; reasoning, judgment; truth, certainty and probability.
Credit Hours: 3 Prerequisite Courses:
PAR 101 or (PAR 201 and PAR 202)
Course Repeatability: Course may not be repeated.

PAR 318 - Metaphysics

Course Description:
Fundamental issues and positions concerning the nature of reality: theories of being, substance, causality.
Credit Hours: 3 Prerequisite Courses:
PAR 101 or (PAR 201 and PAR 202)
Course Repeatability: Course may not be repeated.

PAR 319 - Symbolic Logic

Course Description:
Detailed study of first-order logic (propositional logic and predicate logic), including relational predicate logic. Both semantic methods and syntactic methods are featured. At least one additional advanced topic will be addressed: identity and definite descriptions, meta-theory, the proof tree approach, the axiomatic approach, etc.
Credit Hours: 3 Prerequisite Courses:
PAR 110 or consent of instructor.
Course Repeatability: Course may not be repeated.

PAR 320 - Philosophy of Mind

Course Description:
Selected readings drawn from classical and/or contemporary sources bearing on

problems of the self, such as the issue of personal identity and the concept of a person, the problem of the relation of mind and body and the question of the nature of consciousness.
Credit Hours: 3 Prerequisite Courses:
PAR 101
Additional Restrictions/Requirements:
Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

PAR 322 - Ritual Therapy and Health in Caribbean Religions

Course Description:
Explores the Caribbean religious understandings of health and healing, ethnomedical and ritual therapeutics, and other metaphysical healing techniques and spaces, including *Ebo* healing of *Ifa* divination, *Palo and Santeria (Lukumi)* Botanicas. Familiarizes students with the different health and healing approaches, techniques, and spaces in the Caribbean communities.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in a Global Society"]
Course Repeatability: Course may not be repeated.

PAR 325 - Prophetic Fire & Martin Luther King, Jr.: Spiritual Formation and Political Theological Vision

Course Description:
Study of the life and thought of Martin Luther King, Jr., with complex exploration into the prophetic scope of his spiritual formation and political theological vision. As a Baptist pastor and more King has been an iconic figure in modern American history, one whose influence reaches well beyond America.
Course Repeatability: Course may not be repeated.

PAR 330 - Religion and the Civil Rights Movement

Course Description:
Study of religion in the long history of the Civil Rights Movement in the United States. Examines the practices, writings, thoughts, and actions of American Protestants, Catholics, Jews, Muslims, and others regarding Black Americans' fight for civil rights, as well as racism, anti-racism, gender, and politics in American life surrounding the movement.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in a Diverse Nation"]
Course Repeatability: Course may not be repeated.

PAR 334 - Hebrew Bible/Old Testament Literature

Course Description:

Analysis and interpretation of a particular part of the Hebrew Scriptures. Topics will vary from one course offering to another. (The Torah; the Prophets; the Writings).

Credit Hours: 3 Course Repeatability: Course may not be repeated.

PAR 335 - Philosophy of Language

Course Description:

Fundamental Issues in the nature and meaning of language: concepts of truth, meaning, reference, metaphor, interpretation, and speech acts.

Credit Hours: 3 Prerequisite Courses:

PAR 101

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated.

PAR 336 - New Testament Literature

Course Description:

Analysis and interpretation of a particular part of the New Testament. Topics will vary from one course offering to another. (The Gospels; the Acts of the Apostles; the Johannine works; the Letters of Paul).

Credit Hours: 3 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 21

PAR 337 - Apocrypha and Pseudepigrapha

Course Description:

Analysis of the major Jewish and Christian writings related to but excluded from the Bible, including histories, apocalypses, testaments, prayers, moral tales, and wisdom books.

Credit Hours: 3 Prerequisite Courses:

PAR 235 or PAR 236

Course Repeatability: Course may not be repeated.

PAR 338 - Greek Biblical Uncial

Course Description:

Acquire practical knowledge of Greek biblical uncial in papyrology. Examine, transcribe, and paleographically date important early Christian papyri.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

PAR 340 - Philosophy of Religion

Course Description:

Examination of the basic problems found in Western philosophy concerning religion, including efforts to prove the existence of God, the role of faith and reason, the problem of evil, immortality, religious experience, religious language, and religious pluralism.

Credit Hours: 3 Prerequisite Courses:

PAR 101 and PAR 103

Course Repeatability: Course may not be repeated.

PAR 343 - Atheism and Unbelief

Course Description:

Survey of beliefs, assumptions, and arguments of atheism and other varieties of unbelief. Examines major atheistic explanations for the phenomenon of religion, and atheism and unbelief within Eastern and Western religions.

Credit Hours: 3 Prerequisite Courses:

PAR 101 or PAR 103

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated.

PAR 344 - Religion and Popular Culture

Course Description:

Examination of the connections between religion and popular texts, films and practices in modern Western society.

Credit Hours: 3 Prerequisite Courses:

PAR 103 or PAR 125

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated.

PAR 345 - Philosophy of Science

Course Description:

Introduce students to major topics from the philosophy of science, including the nature of scientific explanations, the role of natural laws within scientific practice, the methods for revising scientific theories, and the proper interpretation of physical theories like relativity and quantum mechanics.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

PAR 350 - Native American Religions

Course Description:

Study of Native American Religions before and after Euro-American colonization by focusing on the importance of land, spirits, stories, rituals, and objects, as well as indigenous responses to Christianity, new religious movements, politics, and gender. Introduces students to the study of Native American Religions using a material culture research method.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in a Diverse Nation"]

Course Repeatability: Course may not be repeated.

PAR 351 - Religion in Early America

Course Description:

Examination of the role and significance of religion in early American culture and society. Topics include contact between Native American and Euro-American religious traditions, Puritanism, First Great Awakening, religion in the revolutionary era, separation of church and state.

Credit Hours: 3 Prerequisite Courses:

PAR 242 or HST 105

Crosslisting:

HST 351

Course Repeatability: Course may not be repeated.

PAR 352 - Religion in Antebellum America

Course Description:

The influences and meanings of religion in antebellum American society. Topics

include Second Great Awakening, expansion of Protestant and Catholic churches, communitarian movements, religious responses to slavery.
Credit Hours: 3 Prerequisite Courses:
PAR 242 or HST 105
Additional Restrictions/Requirements:
Prerequisite course or consent of instructor.
University Studies: ["Approaches and Perspectives/Living in a Diverse Nation"] Course Repeatability: Course may not be repeated.

PAR 353 - Religious Reform in Modern America

Course Description:
Religious thought and action concerning social change in modern America. Topics include urban revivalism, labor, civil rights, and peace movements. Emphasis on differing interpretations of scripture, church teachings, and religious identity.
Credit Hours: 3 Prerequisite Courses:
PAR 242 or HST 106 .
Additional Restrictions/Requirements:
Prerequisite course or consent of instructor.
University Studies: ["Approaches and Perspectives/Living in a Diverse Nation"] Crosslisting:
HST 359
Course Repeatability: Course may not be repeated.

PAR 355 - Southern Religion

Course Description:
Study of religion in the American South from the colonial era to the present-day United States as it relates to gender, race, and politics. Topics include Native American religions, the religious practices of Black and white evangelicals, Catholics, Jews, and Muslims, as well as religion and slavery, "The Religion of the Lost Cause," and religion in the Civil Rights Movement.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in a Diverse Nation"]
Course Repeatability: Course may not be repeated.

PAR 360 - Philosophy of Evolution

Course Description:
Examination of philosophical issues found in the study of evolution: origins of the

theory; impact on science; methodology of Darwinian and contemporary evolutionary studies; concepts of species, natural selection and adaptation and its mechanisms; application of evolutionary theory of human culture; and debates over creationism and sociobiology.
Credit Hours: 3 Prerequisite Courses:
PAR 101
Additional Restrictions/Requirements:
Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

PAR 362 - Archaeology of Ancient Israel

Course Description:
Study of Ancient Israel, its peoples and cultures through archaeological artifacts and analysis of ancient writings.
Credit Hours: 3 Prerequisite Courses:
PAR 103 or PAR 235
Additional Restrictions/Requirements:
Prerequisite courses or consent of instructor.
University Studies: ["Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

PAR 363 - Religion, Holocausts, and Genocides

Course Description:
A critical analysis of the role of religion in holocausts and genocides from antiquity to the present. Emphasis on the destruction of aboriginal and ethnic peoples, the Jewish holocaust, African genocide, and ethnic cleansing.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

PAR 364 - Religious Views of Death and Dying

Course Description:
Views of death and dying from a variety of religious traditions including Hinduism, Buddhism, Judaism, Christianity, Islam, and Sikhism. For each tradition, we will consider the following questions: How do they understand the nature of death? do they ascribe meaning and value to death? Do they ascribe meaning and value to the death? Do they recommend a particular religious practice at the moment of death?

What funeral rituals are advocated within their tradition?
Credit Hours: 3 Course Repeatability: Course may not be repeated.

PAR 365 - Topics in Philosophy and Film

Course Description:
Examination of a specific philosophical topic (such as aesthetics, reality, love, freedom, responsibility, morality, social class, race and gender) through film. Analysis of the topic under investigation will include reading primary sources in philosophy, lecture and discussion, and film screenings. May be repeated under different subtitles for up to 12 credit hours.
Credit Hours: 3 Prerequisite Courses: PAR 101 Additional Restrictions/Requirements: Prerequisite course or consent of instructor.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

PAR 366 - Continental Philosophy: Early Jean-Paul Sartre

Course Description:
An examination of Sartre's early existential philosophy with a focus on the classical philosophical problems of personal identity, freewill/determination, negative existential statements, and the problem of other minds.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

PAR 369 - The Philosophy of Power

Course Description:
Survey of philosophical views of political power in Machiavelli, Hobbes, Locke, Marx, Berlin, Nietzsche and Foucault. Addresses a series of interrelated questions: What is political power? What legitimates it? Who has it? How does is function? What strategies and tactics most effectively subvert and/or resist it?
Credit Hours: 3 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

PAR 370 - Tibetan Buddhism

Course Description:
Examination of the Buddhism of Tibet as seen in ethical and social thought, ritual and meditation practice, philosophy, and art.

Credit Hours: 3 Prerequisite Courses:

PAR 232

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated.

PAR 371 - Buddhism

Course Description:

Survey of the essentials of Buddhism as seen in ethical and social thought, mediation practices, philosophies, rituals and art.

Credit Hours: 3 University Studies: ["Building Competencies/Writing Intensive/Information Literacy"] Course Repeatability: Course may not be repeated.

PAR 372 - Religions of India

Course Description:

Examination of the religions of India as seen in ethical and social thought, ritual and mediation practice, philosophy, and art. Includes Hinduism, Buddhism, Sikhism, and Jainism

Credit Hours: 3 Course Repeatability: Course may not be repeated.

PAR 373 - Chinese Religions

Course Description:

Examination of the history, philosophies, practices, and institutions of Chinese religions through both primary texts and secondary scholarship. Focus mainly on the indigenous religions of China - Confucianism, Daoism, and 'popular' or 'folk' traditions. Course will make use of texts, films, online resources, and images.

Credit Hours: 3 University Studies: ["Building Competencies/Writing Intensive/Information Literacy"] Course Repeatability: Course may not be repeated.

PAR 374 - Japanese Religions

Course Description:

Examination of Japanese religions and their roles in Japanese culture and society. Course will make use of texts, literature, film, anime, manga, and other media.

Credit Hours: 3 University Studies: ["Building Competencies/Writing Intensive/Information Literacy"] Course Repeatability: Course may not be repeated.

PAR 375 - Islam

Course Description:

Introduction to religious beliefs, rituals and traditions of Islam. Examination of its historical background and contemporary significance.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

PAR 376 - Judaism

Course Description:

Introduction to religious beliefs, rituals and traditions of Judaism. Examination of its historical background and contemporary significance.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

PAR 377 - African American Religions

Course Description:

Study of the religious life and thought of Black American communities with concentration on independent traditions, sects, and a sampling of major thinkers and issues.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in a Diverse Nation"] Course Repeatability: Course may not be repeated.

PAR 378 - Caribbean Religions

Course Description:

Religious diversity within the Caribbean, including established, non-traditional, and Afrocentric religious traditions, and their interaction with popular culture.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

PAR 380 - Philosophy of Drama

Course Description:

PAR 101 or PAR 115 recommended, not required. Introduction to the philosophy of drama. Includes studies of aesthetics, philosophical interpretations of classic plays, and philosophical thought in drama. Readings to include Aristophanes, Aristotle, Beckett, Critchley, Langer, Shakespeare, and Sophocles; films of plays.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

PAR 385 - Philosophy of Sports

Course Description:

PAR 101 or PAR 115 recommended, not required. Introduction to the philosophy of sports, to include studies of particular sports, philosophical discussions of the nature of sport, and of the ethics and aesthetics of sport. Includes readings from Paul Weiss, Randolph Feezell, and other contemporary philosophers; selections from films on various sports.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

PAR 390 - Religion and Technology

Course Description:

Explores how religions in the past and present are necessarily and inherently technological. Evaluates modern assumptions about the secular (i.e., non-religious) nature, digital nature, and passive work of technology. Topics vary by instructor.

University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives", "Critical Reasoning", "Approaches and Perspectives/Historical and Philosophical Approaches"] Course Repeatability: Course may not be repeated.

PAR 400 - Colloquium for Majors

Course Description:

An interdisciplinary investigation of various philosophical and religious questions. Themes for study: the problem of evil, the relations of faith and reason, symbolism and language, meaning of freedom, and concepts of determinism. Required of majors in junior or senior year; open to qualified non-majors.

Credit Hours: 3 Additional Restrictions/Requirements:

Junior or senior standing.

University Studies: ["Building Competencies/Writing Intensive and Information Literacy", "Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 18

PAR 405 - Contemporary Philosophical Thought

Course Description:

Primary source study of the various philosophers of the 20th century, representing

the major schools or movements.
Credit Hours: 3 Prerequisite Courses:
PAR 101 or PAR 202
Course Repeatability: Course may not be repeated.

PAR 410 - Human Rights

Course Description:
An examination of rights theory and conceptions of human rights. Will explore the origins, meaning, nature and extent of human rights, including critical perspectives.
Credit Hours: 3 Prerequisite Courses:
PAR 101 or PAR 115
Additional Restrictions/Requirements:
Prerequisite courses or consent of instructor.
Course Repeatability: Course may not be repeated.

PAR 412 - Free Will and Moral Responsibility

Course Description:
An exploration of fundamental issues in the areas of free will and moral responsibility. Related topics include personhood, agency, action, causation, determinism, fatalism, praise and blame.
Credit Hours: 3 Prerequisite Courses:
PAR 101
Additional Restrictions/Requirements:
Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

PAR 421 - Contemporary Religious Thought

Course Description:
Primary source study of principal religious thinkers of 20th century, especially within Judaism and Christianity.
Credit Hours: 3 Prerequisite Courses:
PAR 103
Course Repeatability: Course may not be repeated.

PAR 491 - Directed Individual Study

Course Description:

Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.

Credit Hours: 1 To 3 Additional Restrictions/Requirements:

Junior or senior standing, overall GPA of at least 2.00, and consent of instructor, department chair and dean.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

PAR 495 - Seminar

Course Description:

Research of selected philosophic and/or religious problems.

Credit Hours: 1 To 3 Additional Restrictions/Requirements:

Credit in philosophy and religion and consent of department.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

PAR 498 - Internship in Philosophy and Religion

Course Description:

A program of work and study conducted with an agency and/or setting that provides practical experience with observation and application of philosophical or religious concepts. A maximum of 3 credit hours may be counted toward major degree requirements and graduation. Faculty evaluation of all study and on-site activity will be in consultation with sponsoring agency.

Credit Hours: 1 To 3 Additional Restrictions/Requirements:

Junior or senior standing, consent of instructor, and GPA of at least 3.00.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 3 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

PAR 499 - Honors Work in Philosophy and Religion

Course Description:

Independent study for honors students.

Credit Hours: 2 To 3 Additional Restrictions/Requirements:

Senior standing and eligibility for honors program.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

Department of Public and International Affairs

http://uncw.edu/pls

The public and international affairs department offers a major in political science and minors in political science, international affairs, campaign management, and public administration for students seeking careers in government, the private sector, or the non-profit sector. The curriculum stresses analytical and critical thinking, quantitative analysis, and a theoretical understanding of the U.S. and other comparative political systems. Students may take an internship or other directed studies to gain a better understanding of the operations of government and non-profit agencies. The degree in political science is also helpful for students going on to graduate school or law school. All students entering the program are expected to be computer literate and able to access the course and departmental Web sites. Knowledge of the skills of research or of a modern foreign language is suggested (see the department chair for acceptable courses).

International Affairs Minor

Political Science Minor

Coordinator: Dr. Jennifer Horan

The Department of Public and International Affairs offers a minor in political science, which exposes students to the different subfields of political science and trains students to examine political phenomena from an empirical and analytical perspective. 24 hours: 6 core, 18 subfield electives with at least 12 hours selected from 300-level courses or above.

Political Science, B.A.

The major in political science is for students seeking careers in government, the private sector, the non-profit sector or for students who intend to enroll in graduate school or law school. The curriculum stresses analytical and critical thinking, quantitative analysis, and a theoretical understanding of the U.S. and other

comparative political systems. Students may take an internship or other directed studies to gain a better understanding of the operations of government and non-profit agencies.

Political Science, B.A. with Social Studies Teacher Licensure

Program Coordinator: Dr. Jennifer Horan

Public Administration Minor

The Department of Public and International Affairs offers a Public Administration Minor for students interested in pursuing careers in public service working in government or the nonprofit sector. The minor requires 18 hours of course work, including 9 hours of core courses and 9 hours of electives.

Pre-Law Minor

The College of Humanities, Social Sciences, and the Arts offers a pre-law minor designed to prepare students with the foundational knowledge, critical thinking abilities, and other essential skills to succeed in the field of the law.

Nonprofit Management and Leadership Minor

The College of Humanities, Social Sciences, and the Arts offers a Nonprofit Management and Leadership Minor designed to explain the special legal and financial circumstances under which NPOs operate and their relationship with their communities. The minor explains how NPOs must use principles and practices derived from the private sector to make optimal use of financial and human services, including volunteers. The minor demonstrates the importance of NPOs in creating and sustaining inclusive, productive, and democratic civil society.

Security Studies Minor

The College of Humanities, Social Sciences, and the Arts offers a Security Studies

Minor designed to examine how countries identify and organize to respond to threats to their physical, political, economic, and human security.

Political Entrepreneurship and Leadership Minor

Coordinator: Dr. Nadine Gibson

The Political Entrepreneurship and Leadership Minor provides students with the practical knowledge of how to become an active participant and leader in politics and government. The minor prepares students for careers in campaigns, public policy, local government, community organizing, and legislative institutions. Students will develop the skills and tools necessary for success in the public sector, completing coursework on applied work and technical knowledge. Elective offerings in the minor include courses on campaigns, elections, political institutions, public policy, and public opinion allowing students to focus on specific avenues of political engagement. The minor develops applied knowledge and real-world skills useful for career in politics, including requiring students to complete an internship in addition to coursework.

PLS 101 - American National Government

Course Description:
Survey of basic principles, institutions and functions such as federalism, separation of powers, civil liberties and rights, judicial review, public opinion, political parties, elections and interest groups.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Understanding Human Institutions and Behaviors"] Course Repeatability: Course may not be repeated.

PLS 111 - Politics and Government in Global Perspective

Course Description:
Survey for non-majors of politics and governmental institutions within and among nation states. Attention will also be given to the role of political theory and ideology in the governance of states.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in a Global Society"] Course Repeatability: Course may not be repeated.

PLS 201 - Introduction to Political Science Methods

Course Description:

Introduction to the rationale and application of the scientific method to political analysis. Major topics include: statement of problem, survey of literature, theory construction, data collection and analysis, and presentation of findings and conclusions.

Credit Hours: 3 University Studies: ["Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

PLS 202 - Contemporary American Political Issues

Course Description:

Important political issues and their relationship to the overall American political process. Topics are selected from, but not limited to: education policy; health care policy; federal deficit and debt policy; and minorities and politics.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Understanding Human Institutions and Behaviors"] Course Repeatability: Course may not be repeated.

PLS 203 - Religion and Politics in the United States

Course Description:

An examination of the origin, nature, and consequences of religion's influence on political values, institutions, and policies in the United States.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

PLS 204 - Judicial Politics

Course Description:

An analysis of the organization, powers and role of the judiciary. Topics include: the political role of judges, factors influencing judicial policy-making, selection of judges, the role of lawyers, and judicial decision-making.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

PLS 205 - Campaign and Elections

Course Description:

Focuses on the electoral arena (history, financing, political environments),

nominations (delegate selections and conventions), campaigns (organization, strategy, tactics, media), and the election (votes, policy, reforms). Special attention is given to recent and current presidential and congressional election campaigns.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Understanding Human Institutions and Behaviors"] Course Repeatability: Course may not be repeated.

PLS 209 - Environmental Politics

Course Description:
Role of politics in environmental policy. Topics include the politics of the environmental movement, the environment as a public policy issue, and the development and impact of environmental policy.
Credit Hours: 3 University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated.

PLS 212 - Introduction to Political Theory

Course Description:
Fundamental questions about the nature and purpose of politics as treated by such writers as Plato, Augustine, Locke, Hobbes, and Marx.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

PLS 217 - Ethics and Leadership in Public Life

Course Description:
Exploration of what it means to act responsibly and with integrity in public life in an environment of shared powers and competing values. Case studies, journals, role plays and film are used to illustrate concepts.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

PLS 218 - Ethics in International Affairs

Course Description:
Role of morality in international affairs to explore how states and citizens act responsibly in international public life. Drawing on the traditions of realism, liberalism, and utilitarianism along with the just war tradition, the course examines the ethical implications of issues such as war, terrorism, globalization, and genocide.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in a Global Society"]

Course Repeatability: Course may not be repeated.

PLS 220 - Introduction to International Relations

Course Description:

Basic analysis of politics among nations. Role of law, force, and diplomacy in world politics; problems of war, peace, and disarmament.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in a Global Society"] Course Repeatability: Course may not be repeated.

PLS 221 - Model United Nations I - Introduction to United Nations Issues and Organization

Course Description:

Introduction to United Nations issues and organization. Course focus on active learning through simulation of international diplomacy, speech making, negotiation, and foreign policy development. Course requires travel to a Model United Nations conference, with additional costs for students.

Credit Hours: 3 University Studies: ["Explorations Beyond the Classroom/Certified Internship Program"] Course Repeatability: Course may not be repeated.

PLS 222 - Contemporary International Political Issues

Course Description:

Important international political issues and their impact on the political processes among the nations of the world. Topics are selected from, but not limited to: the role of the United Nations; environmental policy; separatism and nationalism; religious conflict and international order; terrorism; and economic development.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

PLS 230 - Introduction to Comparative Government and Politics

Course Description:

Comparative analysis of political systems in developed, second- and third-world nations, including an examination of the foundations and structures of selected national governments, such as parliamentary and presidential systems, democratic and non-democratic systems.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

PLS 240 - Great Decisions Lecture Series

Course Description:

A series of speaker engagements on international issues deemed presently crucial in international affairs by the Foreign Policy Association. Students will read required articles, attend lectures given by specialists in the field, and engage in discussions in student-led tutorials and break-out sessions.

Credit Hours: 1 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

PLS 250 - Crime in the Cape Fear

Course Description:

Topics relating to crime and punishment in the American legal system as viewed through the lens of the Cape Fear region. Explore a number of solutions to crime in the Cape Fear Region, many of which are unique to the area. Also serves as an introduction to the community and its fabric in the Cape Fear Region.

Credit Hours: 3 University Studies: ["Explorations Beyond the Classroom"] Crosslisting:

CRM 250

Course Repeatability: Course may not be repeated.

PLS 294 - Transnational Politics Study Abroad I

Course Description:

Lower division special topics in political science taken abroad or partially abroad. Course taught by UNCW faculty or as transfer credit from a foreign institution. Course may be repeated under different subtitles.

Credit Hours: 1 To 12 University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

PLS 300 - American Constitutional Law I

Course Description:

Analytical study of U.S. Supreme Court decisions affecting separation of powers and individual rights. The powers of the judicial, executive, and legislative branches of national government; the relationships among these branches; and the federal system.

Credit Hours: 3 Prerequisite Courses:

PLS 101

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated.

PLS 301 - American Constitutional Law II

Course Description:

Analytical study of U.S. Supreme Court decisions affecting separation of powers and individual rights. Individual rights and liberties other than procedural rights of persons involved with the criminal justice system.

Credit Hours: 3 Prerequisite Courses:

PLS 101

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated.

PLS 302 - The Politics of the Supreme Court

Course Description:

Explores the role of Supreme Court in the American political system. Reviews the Court's history, membership, operations, and interactions with the other branches of government and the public. Focuses on the social scientific theories that explain the behavior of the justices and other individuals associated with the Court.

Prerequisite Courses:

PLS 101

Additional Restrictions/Requirements:

Or permission of instructor.

Course Repeatability: Course may not be repeated.

PLS 303 - Political Behavior

Course Description:

The impact of citizen beliefs and preferences on election outcomes, and the factors that influence political participation. Structured around a critical examination of the assumptions, findings, and interpretations of the major studies of political behavior.

Credit Hours: 3 Additional Restrictions/Requirements:

Sophomore, junior or senior standing or consent of instructor.

University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

PLS 304 - Introduction to Public Policy Analysis

Course Description:

Study of the theories and methods of analyzing and explaining public policy and the substance of recent domestic policies in the areas of public finance and human and physical resources, including welfare, education, protection of the environment, housing, health, urban renewal and transportation.

Credit Hours: 3 Prerequisite Courses:

PLS 101 and PLS 201

Additional Restrictions/Requirements:

Prerequisite courses or consent of instructor.

University Studies: ["Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated.

PLS 305 - The Constitution and the Criminal Justice System

Course Description:

Study of U.S. Supreme Court decisions on rights of suspects, defendants, witnesses, and convicted criminals.

Credit Hours: 3 Prerequisite Courses:

PLS 101

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated.

PLS 306 - Politics and Film

Course Description:

Critical examination of the political themes present in film spanning across the major subfields of political science, including American politics, comparative politics, international relations, and political theory. Consideration of the extent to which media accurately portray political phenomena as understood by political scientists and the scholarly literature and analysis of its consequences.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

PLS 307 - The American Legislature

Course Description:

Functional study of legislative bodies and lawmaking. Among the topics studied will be the role of legislatures; the impact of constituencies, parties, interest groups, interpersonal relationships and other pressures on legislators; legislative structure; and the decision-making process.

Credit Hours: 3 Prerequisite Courses:

PLS 101

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated.

PLS 308 - Public Administration

Course Description:

Introduction to public administration in the United States. Nature and scope of public administration, public interest in the administrative process, role of administrators, formal and informal organization, public personnel and financial management.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

PLS 309 - The American Chief Executive

Course Description:

Examination of the concept of a political chief executive as a coordinate member, with legislature and courts, of a government team. Emphasis will be placed on the powers, roles, decision-making processes, and institutional development of the offices of president, governor, and mayor.

Credit Hours: 3 Prerequisite Courses:

PLS 101

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated.

PLS 310 - Legal Philosophy and Jurisprudence

Course Description:

Introduction to the nature, concept and sources of law and the various schools of jurisprudence. Topics treated include natural law; historical, analytical and sociological jurisprudence; idealism; utilitarianism; legal realism; equity, justice, precedent, custom and law; and the relation of law and morality.
Credit Hours: 3 Additional Restrictions/Requirements:
Junior or senior standing or consent of the instructor.
Crosslisting:
PAR 310
Course Repeatability: Course may not be repeated.

PLS 311 - Legal Research and Writing

Course Description:
Students will locate, apply, and analyze law in correct and precise written form. Legal formatting and Bluebook citation will be emphasized. Iterative writing assignments will encourage students to incorporate cohesive revisions leading to critical analysis in objective and persuasive writing. Students will produce a legal memorandum and a court brief while utilizing critical written analysis of the law.
Credit Hours: 3 University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

PLS 312 - Political Analysis

Course Description:
Special topics course focusing on learning political analysis skills relevant to a variety of career paths and practical applications in the fields of political science and public policy. Course topics may include qualitative analysis, quantitative analysis, statistical programming, experimental design, geospatial analysis (GIS), or game theory.
Credit Hours: 3 Prerequisite Courses:
PLS 101 and PLS 201
Additional Restrictions/Requirements:
Prerequisite courses or consent of instructor.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Repeat Limit: 1

PLS 313 - Early Political Thought

Course Description:

Introduction to the origin and development of political theory from the 5th Century B.C. through the medieval era. Emphasis will be placed on the political ideas of Plato, Aristotle, the Epicureans, the Stoics, Cicero, Augustine, medieval philosophers, and Aquinas in order to discover the recurring themes of political inquiry.

Credit Hours: 3 Prerequisite Courses:

PLS 212

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated.

PLS 314 - Modern Political Thought

Course Description:

Critical examination of political ideas from 1500 to 1900 with special attention to those of Machiavelli, Hobbes, Locke, Rousseau, Montesquieu, Hume, Burke, Hegel, Bentham, Marx, the Mills, Spencer, T.H. Green and Nietzsche.

Credit Hours: 3 Prerequisite Courses:

PLS 212

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated.

PLS 315 - Contemporary Political Ideologies

Course Description:

Ideology and its significance in the modern world. Systematic analysis of the major political ideologies of the 19th and 20th centuries with emphasis on democracy, communism, fascism, nationalism, anarchism, and the New Left.

Credit Hours: 3 Prerequisite Courses:

PLS 212

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated.

PLS 316 - Women in Politics

Course Description:

Introduction to political perspectives on sex role differentiation. Among the topics to be discussed will be political socialization of women in ancient and modern society; women's roles in politics and government; political consequences of women's entry into the work force; and contemporary issues in the women's movement. Emphasis will be placed throughout on comparative political analysis.

Credit Hours: 3 Prerequisite Courses:

PLS 101 or PLS 111

Additional Restrictions/Requirements:

Prerequisite courses or consent of instructor.

Course Repeatability: Course may not be repeated.

PLS 317 - Political Thought of Asia

Course Description:

Recommended: PLS 212 . Critical assessment of philosophical responses to the political, economic, and social challenges faced by the Asian Region. Considers Asian political thought comparatively, addressing recurring issues of politics and community life.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

PLS 327 - Science, Technology, and Innovation Policy

Course Description:

Contemporary issues in the study and critique of science, technology and innovation policy including an overview of dynamics at the interface of science, politics and policy. Topic examples include: public and private spending on research and development (R&D), responsible innovation, governing artificial intelligence, science advice, integrity in science, evidence-based decision making, ethics in intellectual property.

Credit Hours: 3 Additional Restrictions/Requirements:

Junior or Senior standing.

Course Repeatability: Course may not be repeated.

PLS 329 - Ocean and Coastal Law and Policy

Course Description:

National and international laws and policies concerning the ocean. Topics include: fisheries management, marine mammal protection, shipping and navigation, oil and

chemical pollution, coastal and wetlands protection, submerged lands, riparian rights, and public access to coastal lands and waters.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

PLS 330 - Political Systems of Africa

Course Description:
Governments and politics of selected sub-Saharan African states. A survey from colonial days to the present with emphasis on contemporary economic, social and political problems.
Credit Hours: 3 Prerequisite Courses:
PLS 230
Additional Restrictions/Requirements:
Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

PLS 331 - Politics in Developing Nations

Course Description:
Political, economic, and social problems confronting developing nations. Attention will be given to such issues as cultural pluralism, one-party states, military dictatorships, and U.S. relations with the developing world.
Credit Hours: 3 Prerequisite Courses:
PLS 230
Additional Restrictions/Requirements:
Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

PLS 332 - Politics of Central America

Course Description:
Introduction to core political issues facing the Central American, political history as well as contemporary processes. Students will critically evaluate development and the problems associated with moving from underdeveloped to ""developed"" status.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

PLS 333 - Politics of South America

Course Description:

Politics of South America and the impact of socio-economic forces on the region and its political structures.

Credit Hours: 3 Prerequisite Courses:

PLS 230

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated.

PLS 334 - Revolutionary Movements

Course Description:

Introduction to the social, political, and economic conditions which give rise to radical response. Examines small rebel bands, or militias (commonly referred to as 'guerrilla' movements), and 'terrorist' organizations, as well as large-scale revolutionary movements.

Credit Hours: 3 Prerequisite Courses:

PLS 230

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

University Studies: ["Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated.

PLS 335 - European Political Systems

Course Description:

Political institutions and processes of selected European countries, including Great Britain, France and Germany.

Credit Hours: 3 Prerequisite Courses:

PLS 230

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated.

PLS 336 - Russian and Post-Soviet Political Systems

Course Description:

Comparative study of the political institutions and processes of Russia and the

eastern European Countries. Post-Soviet dynamics and the nature and significance of contemporary changes.
Credit Hours: 3 Prerequisite Courses:
PLS 230
Additional Restrictions/Requirements:
Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

PLS 337 - Chinese Politics

Course Description:
Political system of China with special emphasis on the challenges of development, democracy, and nation-building in the post-1949 period.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

PLS 338 - Political Systems of the Middle East

Course Description:
Governments and politics of the Middle East with emphasis on the changes that have occurred since 1945. A detailed examination of the forces that have shaped contemporary Middle Eastern politics: Islam, nationalism, modernization, and current political trends. The political institutions and processes and the domestic and foreign policies of selected countries will be studied.
Credit Hours: 3 Prerequisite Courses:
PLS 230
Additional Restrictions/Requirements:
Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

PLS 339 - Asian Politics

Course Description:
Recommended: PLS 230 . Political systems of selected Asian countries. Special emphasis on the challenges of development, democracy, and nation-building in the post-World War II period.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

PLS 340 - The Black Experience in American Politics

Course Description:
American political institutions and processes through the eyes of Black America. This study will analyze the power structure in the black community, dissent and protest, black participation in the political system, black leaders and politicians and their politics, and the uniqueness of black politics as compared with the wider spectrum of the political system.
Credit Hours: 3 Prerequisite Courses:
PLS 101 or consent of instructor.
Course Repeatability: Course may not be repeated.

PLS 341 - Latino Politics

Course Description:
Role of Latino communities in shaping state and national politics in the United States. Latino political empowerment strategies, political representation, the electoral impact of Latino votes, and contemporary public policy issues.
Credit Hours: 3 Additional Restrictions/Requirements:
Sophomore, junior or senior standing or consent of instructor.
University Studies: ["Approaches and Perspectives/Living in Our Diverse Nation"] Course Repeatability: Course may not be repeated.

PLS 342 - Race and Politics in the Americas

Course Description:
Social, political, and economic inequality of racial/ethnic groups in the Americas.
Credit Hours: 3 Additional Restrictions/Requirements:
Sophomore, junior or senior standing or consent of instructor.
Course Repeatability: Course may not be repeated.

PLS 343 - Democratic Transition in the United States

Course Description:
Examination of the process of democratic transition and consolidation in the United States from 1898 to the present. Focus on the comparative analysis of scholarly literature concerning democratic transition and consolidation.

Credit Hours: 3 Prerequisite Courses:

PLS 230 , or permission of instructor,

University Studies: ["Approaches and Perspectives/Living in a Diverse Nation"] Course Repeatability: Course may not be repeated.

PLS 350 - State Government and Politics

Course Description:

Survey and analysis of the organization, functions, and political processes of the American states with an emphasis on North Carolina politics.

Credit Hours: 3 Additional Restrictions/Requirements:

Sophomore, junior or senior standing or consent of instructor.

Course Repeatability: Course may not be repeated.

PLS 351 - Urban Government and Politics

Course Description:

Structure, functions, political processes, problems, and trends in American city and metropolitan government and politics.

Credit Hours: 3 Additional Restrictions/Requirements:

Sophomore, junior or senior standing or consent of instructor.

University Studies: ["Approaches and Perspectives/Living in Our Diverse Nation"] Course Repeatability: Course may not be repeated.

PLS 352 - American Political Culture

Course Description:

Investigation of the elements that contribute to current national political culture, origins, characteristics,and influences on public dialogue and policy.

Credit Hours: 3 Additional Restrictions/Requirements:

Sophomore, junior or senior standing or consent of instructor.

Course Repeatability: Course may not be repeated.

PLS 353 - American Parties and Interest Groups

Course Description:

Historical and analytical treatment of the appearance and realignment of political parties during the five successive 'national party systems' since the beginning of the

republic. Special emphasis is given to the question of contemporary party disarray and potential realignment.
Credit Hours: 3 Additional Restrictions/Requirements:
Sophomore, junior or senior standing or consent of instructor.
University Studies: ["Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated.

PLS 354 - Urban Planning and Policy

Course Description:
Overview of the policies, plans, and regulations that local governments used to shape the physical growth of cities, towns, and suburbs. A range of topics are covered, such as transportation planning, historic preservation, and affordable housing development.
Credit Hours: 3 Additional Restrictions/Requirements:
Sophomore, junior or senior standing or consent of instructor.
Course Repeatability: Course may not be repeated.

PLS 359 - American Policy Development: Politics, Institutions and Theories

Course Description:
Examination of the political events and ideas needed to understand the growth of American government. Study of how the change of institutional power contributed to the growth of government within our federal system. Students produce an empirical/data analysis of an important institutional aspect of American politics.
Credit Hours: 3 University Studies: ["Critical Reasoning"] Course Repeatability: Course may not be repeated.

PLS 360 - Introduction to Nonprofit Management

Course Description:
Covers management fundamentals in the nonprofit sector. Selected topics include governance, human relations, financial management, public relations and fundraising.
Credit Hours: 3 University Studies: ["Explorations Beyond the Classroom/Certified Internship Program"] Course Repeatability: Course may not be repeated.

PLS 361 - Nonprofit Resource Development

Course Description:

Examines the range of ways for nonprofit organizations to raise funds from individuals, government, foundations, and corporations. Major theoretical foundations of fund development, general fundraising principles, donor market segregation, fundraising techniques, and key aspects of managing the fundraising process.

Credit Hours: 3 University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated.

PLS 362 - Leading and Managing Volunteers

Course Description:

Addresses major issues in the leadership and management of volunteers in the nonprofit and public sectors. Focuses on the two main types of volunteers: service volunteers, and policy volunteers (board members). Topics covered include volunteer recruitment, screening, job design, supervision, recognition, and evaluation.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

PLS 370 - Global Environmental Governance

Course Description:

Explores international environmental negotiations and agreements of global environmental problems regarding overfishing, climate change, deforestation, biodiversity loss, trans-boundary pollutants, and water scarcity. Examines the debate surrounding sustainable development, ecological justice, and conflicts around resource scarcity.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

PLS 401 - Senior Seminar

Course Description:

Capstone course that integrates knowledge from the major subfields in political science through examination of the discipline's relationship to careers and citizenship.

Credit Hours: 3 Additional Restrictions/Requirements:

Senior standing and 30 hours in political science including PLS 101 , PLS 201 , PLS 220 , and PLS 230 , and one of the following: PLS 212 , PLS 310 , PLS 312 , PLS 313 , PLS 314 , PLS 315 , PLS 317 , or PLS 415 .

University Studies: ["Building Competencies/Writing Intensive", "Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated.

PLS 402 - U.S. Immigration Politics

Course Description:

Evolution of immigration policy in the U.S. Experience with various immigration time periods and source countries. Identifies the primary costs and benefits of immigration, with special attention to the policy changes making immigration more difficult over time. Conditions under which immigration increases or decreases, including the contemporary increase in the rate of illegal immigration.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

PLS 403 - Public Opinion

Course Description:

Origin, content, and policy impact of public opinion in democratic nations. Emphasis on the contemporary American experience and the genesis of mass movements.

Credit Hours: 3 Additional Restrictions/Requirements:

Sophomore, junior or senior standing or consent of instructor.

University Studies: ["Building Competencies/Writing Intensive", "Building Competencies/Information Literacy", "Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated.

PLS 404 - Campaign Management and Strategies

Course Description:

Internal mechanics of political campaigns, major areas of campaign management and strategy, campaign organization, voter contact, campaign research, finance and fund-raising, and communications. Special attention is given to recent and current presidential, congressional, and gubernatorial election campaigns.

Credit Hours: 3 Prerequisite Courses:

PLS 205

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.
University Studies: ["Building Competencies/Information Literacy", "Explorations Beyond the Classroom/Certified Internship Program"] Course Repeatability: Course may not be repeated.

PLS 405 - Washington D. Seahawks: Experiential Learning in DC

Course Description:
Exploration of career opportunities in Washington, DC, through experiential learning. Utilization of on-campus resources, including the Career Center and the Alumni Association, to plan a trip to Washington, DC, to network with UNCW alumni, political practitioners, and other public affairs professionals. Students are required to participate in the trip to Washington, D.C.
Credit Hours: 3 Additional Restrictions/Requirements:
Permission of Instructor.
University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated.

PLS 406 - Contemporary Southern Politics

Course Description:
Recent developments throughout the American South and their impact on national politics. Topics include southern political culture, the decline of the one-party system, and the changing roles of blacks and organized labor. Emphasis is placed upon independent research projects involving student analysis of census, election return, and public opinion survey data.
Credit Hours: 3 Prerequisite Courses:
PLS 101 and PLS 201
Additional Restrictions/Requirements:
Prerequisite courses or the consent of instructor.
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

PLS 407 - Political Psychology

Course Description:
Examination of the leading scholarship in political psychology to investigate critical issues in American politics. After introducing political psychology's history, methods and major themes, course addresses the psychological aspects of campaign

politics, public opinion, intergroup relations and leadership.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

PLS 415 - American Political Thought

Course Description:
American political thought from the colonial period to the present.
Credit Hours: 3 Prerequisite Courses:
PLS 212
Additional Restrictions/Requirements:
Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

PLS 420 - Politics of Nuclear Weapons

Course Description:
Introduction to nuclear weapons policy and strategy with an emphasis on nonproliferation, nuclear security, and nuclear deterrence. Consideration of nuclear weapons technology, why countries seek nuclear weapons, risks to international security, and policy tools deployed to prevent proliferation or use.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

PLS 421 - Causes and Dynamics of Ethnic and Nationalist Conflict

Course Description:
This course introduces students to some of the most intractable and violent conflicts around the world in order to understand various theoretical approaches that explain the onset and dynamics of ethno-nationalist conflicts.
Credit Hours: 3 University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

PLS 422 - Contemporary American Foreign Policy

Course Description:
Roles and interrelationships of Congress, the media, public opinion, the president, the secretaries and departments of state and defense, and the intelligence community are examined. Emphasis is placed on the content and the dynamic

aspects of the process of policy formulation and implementation.
Credit Hours: 3 Prerequisite Courses:
PLS 220
Additional Restrictions/Requirements:
Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

PLS 423 - National Security Policy

Course Description:
Formulation of security policy, including the roles of the executive and legislative branches and of non-governmental factors; evolution of changing assumptions, strategies, and goals; the nature of U.S. security requirements, U.S. military commitments abroad, and the cost of strategies based on weapons superiority, arms control, and disarmament.
Credit Hours: 3 Prerequisite Courses:
PLS 220
Additional Restrictions/Requirements:
Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

PLS 424 - International Security

Course Description:
Investigates war and conflict at the international level and the different ways in which governments individually or collectively work to address the problem.
Credit Hours: 3 Prerequisite Courses:
PLS 220
University Studies: ["Building Competencies/Writing Intensive", "Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated.

PLS 425 - International Politics

Course Description:
Students are provided with an overview of the current International system and introduced to the theories actors, their interactions, and the norms of the international system. The impact of the law and norms of international relations or international conflict are analyzed and debated.

Credit Hours: 3 Prerequisite Courses:

PLS 220

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

University Studies: ["Building Competencies/Writing Intensive", "Common Requirements/Critical Reasoning"] Crosslisting:

CMR 525

Course Repeatability: Course may not be repeated.

PLS 426 - International Law

Course Description:

Nature, development and basic concepts of international law. Examination of the scope, sources and sanctions of international law; its relation to municipal law; the rights and duties of states and individuals; methods of settling international disputes. Characteristic cases used as illustrations.

Credit Hours: 3 Prerequisite Courses:

PLS 220

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated.

PLS 427 - International Organizations

Course Description:

Survey of the evolution, objectives and methods of various types of regional and universal organizations and their role in contemporary international relations. Special emphasis will be placed on the principal functions and agencies of the United Nations and the European economic community.

Credit Hours: 3 Prerequisite Courses:

PLS 220

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated.

PLS 428 - Global Terrorism

Course Description:

Investigates the phenomenon of terrorism at the international and global level with particular empasis on why terrorism occurs, and on domestic level and international cooperative counterterrorism.
Credit Hours: 3 Prerequisite Courses:
PLS 220
Course Repeatability: Course may not be repeated.

PLS 429 - International Political Economy

Course Description:
Political-economic structures at the international level (trade, finance, and currency) and the impact of the government, business, and human networks that emerge as a result of political-economic interactions between countries.
Credit Hours: 3 Prerequisite Courses:
PLS 220
Course Repeatability: Course may not be repeated.

PLS 430 - Caribbean Politics

Course Description:
Examines the importance of size, the influence of global forces, and the difficulties of unification and coordination in the Caribbean political context.
Credit Hours: 3 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

PLS 434 - Nonprofit Leadership Experience

Course Description:
An engaged learning experience where students learn about nonprofit organizations, acquire useful employment skills and apply them in projects designed by nonprofit organizations in conjunction with the instructor. Students will complete projects developed and needed by nonprofit organizations in the community; and students will meet and interact with members of the UNCW and nonprofit community.
Credit Hours: 3 University Studies: ["Explorations Beyond the Classroom"] Crosslisting:
PLS 534
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

PLS 440 - Great Decisions Leadership Series I

Course Description:
Practicum for a lecture series focused on international affairs. Students will familiarize themselves with international issues through readings and class seminars; then recruit named scholars in the appropriate field; organize logistics for their travel and accommodations in Wilmington, NC; advertise for the lecture series; and create and maintain website. Students take PLS 441 in the following semester.
Credit Hours: 3 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

PLS 441 - Great Decisions Leadership Series II

Course Description:
Practicum course in leading student tutorials and break-out sessions in selected topics in international affairs. Students will research the various topics, give class seminars, and recruit named scholars and speakers in each of the topics under discussion.
Credit Hours: 1 Prerequisite Courses: PLS 440 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

PLS 463 - International Development

Course Description:
Examines the field of international development including economic development and governance assistance activities with attention to classic theories as well as current debates and innovative approaches.
Credit Hours: 3 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

PLS 464 - Democracy and Authoritarianism

Course Description:
Integrative course focusing on scholarly literature on democracy, authoritarianism, and democratization, with an emphasis on real world examples of regime types and transitions.
Credit Hours: 3 Prerequisite Courses: PLS 230 Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

PLS 491 - Directed Individual Study

Course Description:
Investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.
Credit Hours: 1 To 3 Additional Restrictions/Requirements:
Junior or senior standing, overall GPA of at least 2.00, and consent of instructor, department chair and dean.
University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

PLS 494 - Transnational Politics Study Abroad II

Course Description:
Upper division special topics in political science taken abroad or partially abroad. Course taught by UNCW faculty or as transfer credit from a foreign institution. Course may be repeated under different subtitles.
Credit Hours: 1 To 12 University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

PLS 495 - Departmental Seminar

Course Description:
Consideration of special topics in political science. May be repeated for additional credit.
Credit Hours: 1 To 3 Additional Restrictions/Requirements:
Six hours of political science and consent of department chairperson.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

PLS 498 - Internship in Political Science

Course Description:
Experiential learning with selected public or private agencies or with an individual which allows the student to utilize academic training while learning from a practical

field experience. (Formal research project is a major part of the internship.)
Credit Hours: 3 Prerequisite Courses:
PLS 101 and PLS 201 and (PLS 300 or PLS 304 or PLS 308)
Additional Restrictions/Requirements:
Prerequisite courses, junior or senior standing, overall 3.00 GPA or consent of instructor.
University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12 Repeat Limit: 1 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule
Major Restriction: Political Science Minor Restriction: Pre-Law

PLS 499 - Honors Work in Political Science

Course Description:
Individual study for honors students.
Credit Hours: 2 To 3 Additional Restrictions/Requirements:
Junior or senior standing and eligibility for honors program.
University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

SOC 260 - Poverty Studies

Course Description:
Examination of the nature and extent of poverty in the United States. Discussion of poverty measurement, characteristics, poverty population, international comparisons, underlying causes of poverty and government programs and policies that address poverty.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in Our Diverse Nation", "Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

Department of Sociology and Criminology

http://www.uncw.edu/soccrm
The Department of Sociology and Criminology offers majors in sociology and criminology and minors in sociology and criminology. These courses of study provide students with an understanding of social science perspectives, intellectual

and analytical skills necessary to understand and address problems of human society, and professional training necessary for success in applied settings.

Criminology Minor

Criminology, B.A.

none

Sociology Minor

Sociology, B.A.

Sociology B.A. with Social Studies Teacher Licensure

Program Coordinator: Dr. Julia Waity

CRM 105 - Introduction to Criminal Justice

Course Description:

Study of criminal law and the criminal justice system in the U.S. Emphasis on structure and function of police, courts and corrections.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Understanding Human Institutions and Behaviors"] Course Repeatability: Course may not be repeated.

CRM 110 - Crime and Justice Issues

Course Description:

Critical issues and contemporary debates in crime and justice.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Understanding Human Institutions and Behaviors"] Course Repeatability: Course may not be repeated.

CRM 250 - Crime in the Cape Fear

Course Description:

Topics relating to crime and punishment in the American legal system as viewed through the lens of the Cape Fear region. Explore a number of solutions to crime in the Cape Fear Region, many of which are unique to the area. Also serves as an introduction to the community and its fabric in the Cape Fear Region.

Credit Hours: 3 University Studies: ["Explorations Beyond the Classroom"] Crosslisting:

PLS 250

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 3

CRM 255 - Criminology

Course Description:

May not be taken for credit if student has already completed SOC 256 or CRM 256 [Inactive]. The scientific study of the nature, extent, correlates and etiology of crime, with an emphasis on sociological theories of crime. Topics include crimes against persons and property, public order crimes, and both informal and formal reactions to crime.

Credit Hours: 3 Prerequisite Courses:

CRM 105 or SOC 105

University Studies: ["Approaches and Perspectives/Understanding Human Institutions and Behaviors"] Crosslisting:

SOC 255

Course Repeatability: Course may not be repeated.

CRM 300 - Methods of Social Research

Course Description:

Introduction to logic and methods of sociological research. Topics include connections between theory and research, problem formulation and research design, conceptualization and measurement, sampling, modes of observation and analysis, ethical issues, and the political context of research. Open only to the students in the sociology or criminology major or minor.

Credit Hours: 3 Prerequisite or Corequisite Courses:

STT 215 or MAT 101 or higher (excluding MAT 141 and MAT 142)

Prerequisite Courses:

SOC 105 or CRM 105

University Studies: ["Building Competencies/Information Literacy"] Crosslisting:

SOC 300

Course Repeatability: Course may not be repeated.

CRM 301 - Sociological Data Analysis and Interpretation

Course Description:

Instruction in computer-assisted univariate and bivariate analysis and interpretation of social science data. This course satisfies the department computer competency requirement.

Credit Hours: 3 Prerequisite Courses:

CRM 105 or SOC 105 , and CRM 300 or SOC 300 , STT 215 or MAT 101 or higher (excluding MAT 141 , MAT 142)

University Studies: ["Common Requirements/Critical Reasoning"] Crosslisting:

SOC 301

Course Repeatability: Course may not be repeated.

CRM 307 - Police in Society

Course Description:

Analysis of role and behavior of police in the U.S. Special attention to social environment and political climate affecting the police.

Credit Hours: 3 Prerequisite Courses:

CRM 105

Course Repeatability: Course may not be repeated.

CRM 310 - White Collar Crime

Course Description:

Study of crimes of the powerful and the privileged. Topics include: corporate crime; environmental crime; antitrust violations; political bribery; corruption; tax evasion; fraud; embezzlement; conflict of interest.

Credit Hours: 3 Prerequisite Courses:

CRM 105

Course Repeatability: Course may not be repeated.

CRM 315 - Victimology

Course Description:

Role of victims in crime and criminal justice system. Special focus on sexual battery, battered women and child abuse.

Credit Hours: 3 Prerequisite Courses:

CRM 105

Course Repeatability: Course may not be repeated.

CRM 320 - Criminal Courts

Course Description:

Analysis of structure and function of U.S. criminal courts. Examines relationships among the courthouse work-group (police, prosecutor, defense attorney, judge) and the role of witnesses, victims, defendants and jurors.

Credit Hours: 3 Prerequisite Courses:

CRM 105

Course Repeatability: Course may not be repeated.

CRM 330 - Corrections

Course Description:

Study of societal patterns of punishment, alternatives to incarceration, consequences of imprisonment and correctional strategies of rehabilitation and deterrence.

Credit Hours: 3 Prerequisite Courses:

CRM 105

Course Repeatability: Course may not be repeated.

CRM 335 - The Sociology of Deviant Behavior

Course Description:

Analysis of certain behavior in terms of deviations from norms. Application of sociological and psychological concepts and theory to deviant behavior, and critical evaluation of non-sociological research and theories.

Credit Hours: 3 Prerequisite Courses:

SOC 105 .

Crosslisting:

SOC 335 .

Course Repeatability: Course may not be repeated.

CRM 360 - Criminological Theory

Course Description:

The scientific study of criminological theories. Topics include causal logic, theory construction, evaluation of theories, the historical background and intellectual lineage of various criminological theories, and the current empirical evidence for tests of theories.

Credit Hours: 3 Prerequisite Courses:

CRM 105 , and SOC 255 /CRM 255 or SOC 256 /CRM 256 [Inactive].

University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

CRM 370 - Racialization and the Criminal Justice System

Course Description:

Study of the relationships between racialization and criminalization. Exploration of the social, political and legal conceptions of "crime" and "justice" using critical perspectives and theories of crime.

Credit Hours: 3 Prerequisite Courses:

CRM 105 .

Additional Restrictions/Requirements:

Prerequisite course plus 3 additional hours in CRM.

Course Repeatability: Course may not be repeated.

CRM 375 - Drugs and Crime

Course Description:

Examination of the impact of drug use upon families, communities and the criminal justice system. Special attention given to how drug laws have criminalized vast numbers of people within our society.

Credit Hours: 3 Prerequisite Courses:

CRM 105

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated.

CRM 376 - Juvenile Delinquency

Course Description:

The analysis and description of the problem of juvenile delinquency as it exists in a changing contemporary society.

Credit Hours: 3 Prerequisite Courses:

SOC 105

Crosslisting:

SOC 376

Course Repeatability: Course may not be repeated.

CRM 377 - Restorative Justice

Course Description:

Study of restorative justice as a global and local reform strategy to provide meaningful justice options to people whose lives have been impacted by crime. Explores the theory, practice, and empirical findings associated with restorative justice. Applied learning is central to this class in that circle process is used throughout the semester as a platform for instruction.

Credit Hours: 3 Prerequisite Courses:

CRM 105 and CRM 255 / SOC 255 or CRM 256 /SOC 256, or permission of instructor.

Course Repeatability: Course may not be repeated.

CRM 380 - Criminal Law

Course Description:

Basic concepts of statutory and common law. Topics include: definition of crime; elements of major crimes; criminal responsibility; defenses to criminal charges; inchoate and group criminality; and limitations of the criminal law. Special focus on North Carolina law.

Credit Hours: 3 Prerequisite Courses:

CRM 105

Additional Restrictions/Requirements:

Prerequisite course plus 3 additional hours in CRM.

Course Repeatability: Course may not be repeated.

CRM 381 - Criminal Procedure

Course Description:

Basic concepts of procedural law. Topics include the nationalization of the Bill of Rights, searchers, seizures, probable cause, warrants, arrest, self-incrimination, right to counsel, and double jeopardy.

Credit Hours: 3 Prerequisite Courses:

CRM 105

Additional Restrictions/Requirements:

Prerequisite course and 3 additional hours in CRM.

Course Repeatability: Course may not be repeated.

CRM 390 - Media, Crime, and Justice

Course Description:

Examination of the relationship between mass media, crime, and criminal justice with special emphasis on how media images affect crime and justice attitudes, ideology, and policy. Includes examination of entertainment and news media in both electronic and print forms.

Credit Hours: 3 Prerequisite Courses:

CRM 105

Course Repeatability: Course may not be repeated.

CRM 391 - Public and Applied Sociology and Criminology Seminar

Course Description:

Application of sociological tools to real-life issues in a variety of social settings. Methods may include surveys, interviews, focus groups, secondary data analysis, and evaluation applications. Development of proposals for research projects conducted in a second, sequenced course in the following semester.

Credit Hours: 3 Prerequisite or Corequisite Courses:

SOC 301 or CRM 301 .

Prerequisite Courses:

SOC 300 or CRM 300 , and CRM 360 .

University Studies: ["Building Competencies/Information Literacy", "Explorations Beyond the Classroom"] Crosslisting:

SOC 391
Course Repeatability: Course may not be repeated.

CRM 394 - Departmental Study Abroad

Course Description: This course designation is for students studying abroad and taking a course offered by their study abroad institution that does not transfer in as a Criminology course. This allows students to apply this course to their major. Credit Hours: 3 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12 Repeat Limit: 3

CRM 395 - Topical Seminar

Course Description:
Discussion of selected topics in criminology and criminal justice.
Credit Hours: 3 Prerequisite Courses: CRM 105 Additional Restrictions/Requirements:
Sophomore, junior, or senior standing.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Repeat Limit: 1

CRM 410 - World Criminal Justice Systems

Course Description:
Comparative study of criminal justice systems throughout the world. Attention to historical, structural, political, legal and philosophical similarities and differences.
Credit Hours: 3 Prerequisite Courses:
CRM 105
Additional Restrictions/Requirements:
Prerequisite course plus 3 additional hours in CRM.
Course Repeatability: Course may not be repeated.

CRM 420 - Collective Violence

Course Description:
Analysis of group violence and its control. Topics include the theory and strategy of mass violence, terrorism, genocide, riots and revolutions, and historical and contemporary forms of warfare and the examination of case studies to identify the influence of society, culture, and politics on such events, as well as the impact these events have on society.
Credit Hours: 3 Prerequisite Courses:
SOC 105 or CRM 105

Additional Restrictions/Requirements:

3 hours in CRM.

Course Repeatability: Course may not be repeated.

CRM 449 - Sociology of Law

Course Description:

Analysis of the role of law in society. Special emphasis given to the relationship between law and social organization and the relation of sociocultural changes to substantive and procedural aspects of law. Law viewed as a collectivistic-individualistic process and as a reflection of sociocultural values.

Credit Hours: 3 Prerequisite Courses:

SOC 105

Additional Restrictions/Requirements:

Junior or Senior Standing

Crosslisting:

SOC 449

Course Repeatability: Course may not be repeated.

CRM 460 - Crime and Public Policy

Course Description:

Study of crime policies in the justice system with emphasis on theoretical and empirical merits of various crime reduction strategies. Qualitative and quantitative methods used to evaluate crime control policies.

Credit Hours: 3 Prerequisite Courses:

CRM 105

Additional Restrictions/Requirements:

Prerequisite course and 3 additional hours in CRM.

Course Repeatability: Course may not be repeated.

CRM 490 - Criminal Justice Practicum

Course Description:

Field placement in various criminal justice agencies. Integrates practical experience with classroom knowledge. Practicum students required to participate in one-hour weekly seminar (CRML 490).

Lab:

The lab for this course is CRML 490 .

Credit Hours: 3 Corequisite Courses:

CRML 490

Additional Restrictions/Requirements:

Senior standing in criminology.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:

Additional Course Fee Schedule

CRM 491 - Directed Individual Study

Course Description:

Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.

Credit Hours: 1 To 3 Additional Restrictions/Requirements:

Junior or senior standing, overall GPA of at least 2.00, and consent of instructor, department chair and dean.

University Studies: ["Explorations Beyond the Classroom/Certified Internship Program"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

CRM 495 - Senior Seminar

Course Description:

A topical seminar for students to apply the theories and methods they have learned as a major. Fulfills oral competency requirement. The seminar is the capstone course for majors.

Credit Hours: 3 Prerequisite Courses:

CRM 255 (SOC 255), or CRM 256 [Inactive] (SOC 256), CRM 301 (SOC 301), CRM 360 .

Additional Restrictions/Requirements:

Prerequisite courses and senior standing.

University Studies: ["Building Competencies/Writing Intensive", "Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

CRM 496 - Practicum in Public and Applied Sociology and Criminology

Course Description:

Completion of student research proposed and approved in CRM/SOC 391, as well as completion of a practicum or internship. The second course in a two-semester capstone sequence.

Credit Hours: 6 Prerequisite Courses:

SOC 300 or CRM 300 , and SOC 301 or CRM 301 , and CRM 360 , and SOC 391 or CRM 391 .

Additional Restrictions/Requirements:

Junior or senior class standing.

University Studies: ["Building Competencies/Writing Intensive", "Explorations Beyond the Classroom", "Common Requirements/Critical Reasoning"] Crosslisting:

SOC 496

Course Repeatability: Course may not be repeated.

CRM 499 - Honors Work in Criminal Justice

Course Description:

Independent work for honors students in which students apply criminological theory and methods to a major research project and paper that is then presented orally before an examining committee. Honors work is typically completed in two 3 credit hour semesters. **This course serves as an alternative to the CRM 495 capstone requirement for criminology majors.**Satisfies College of Arts and Sciences oral communication requirement.

Credit Hours: 2 To 3 Prerequisite Courses: (CRM 255 or CRM 256 [Inactive]) and CRM 300 and CRM 301 Additional Restrictions/Requirements:

Junior or senior standing, prerequisite courses, and eligibility for honors program.

University Studies: ["Writing Intensive", "Information Literacy", "Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

CRML 490 - Criminal Justice Laboratory

Course Description:

Classroom discussion of selected topics related to criminal justice practicum.

Lab:

This course is the lab for CRM 490 .

Credit Hours: 1 Corequisite Courses:

CRM 490

Course Repeatability: Course may not be repeated.

SOC 105 - Introduction to Sociology

Course Description:

Introduction to the scientific study of human society and social behavior.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Understanding Human Institutions and Behaviors"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SOC 200 - Sociology of Sport

Course Description:

A sociological examination of the rise of sport in contemporary society. Topics such as the social organization of sports, women and sports, sports and violence, inter-scholastic sports and achievement behavior, discrimination and sports, and the future of sports are covered.

Credit Hours: 3 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SOC 215 - Modern Social Problems

Course Description:

Contemporary social issues and conditions viewed as problematic, such as racism, sexism, crime, poverty, war, alienation, and deviance.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Understanding Human Institutions and Behaviors"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SOC 220 - Sociology of Death and Dying

Course Description:

Examination of the sociological dimensions of death in modern society. The social organizational and cultural dimensions of death will be considered in terms of rites of passage, bureaucratization, social movements, cultural differences, and historical and contemporary contexts.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Understanding Human Institutions and Behaviors"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SOC 225 - Social Inequalities & Diversity

Course Description:

Study of social inequalities, with a particular focus on race, ethnicity, class, gender and sexual orientation.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in Our Diverse Nation"]
Course Repeatability: Course may not be repeated.

SOC 240 - Individuals and Societies in a Global World

Course Description:

Introduction to globalization as an ongoing socio-economic process and as an analytical concept. Examines various aspects of globalization of economies and societies.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in a Global Society"]
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SOC 250 - Issues in Social Justice

Course Description:

Overview of the sociological study of social justice and policies that proclaim to promote social justice in the United States. Examines various forms of institutionalized inequality on the basis of social class, race/ethnicity, gender and sexuality.

Credit Hours: 3 Prerequisite Courses:

SOC 105 .

University Studies: ["Approaches and Perspectives/Living in a Diverse Nation"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SOC 255 - Criminology

Course Description:

May not be taken for credit if student has already completed SOC 256 or CRM 256 [Inactive]. The scientific study of the nature, extent, correlates and etiology of crime, with an emphasis on sociological theories of crime. Topics include crimes against persons and property, public order crimes, and both informal and formal reactions to crime.

Credit Hours: 3 Prerequisite Courses: SOC 105 or CRM 105 University Studies: ["Approaches and Perspectives/Understanding Human Institutions and Behaviors"] Crosslisting:

CRM 255

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SOC 256 - Criminology: Writing Intensive

Course Description:

May not be taken for credit if student has already completed SOC 255 or CRM 255. The scientific study of the nature, extent, correlates, and etiology of crime, with an emphasis on sociological theories of crime. Topics include crimes against persons and property, public order crimes, and both informal and formal reactions to crime. This course will require students to submit formal written work as well as informal writing assignments.

Credit Hours: 3 Prerequisite Courses: CRM 105 or SOC 105 University Studies: ["Approaches and Perspectives/Understanding Human Institutions and Behaviors", "Building Competencies/Writing Intensive"] Crosslisting:

CRM 256 [Inactive]

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SOC 300 - Methods of Social Research

Course Description:

Introduction to logic and methods of sociological research. Topics include connections between theory and research, problem formulation and research design, conceptualization and measurement, sampling modes of observation and analysis, ethical issues, and the political context of research.

Credit Hours: 3 Prerequisite or Corequisite Courses:

STT 215 or MAT 101 or higher (excluding MAT 141 or MAT 142).

Prerequisite Courses:

SOC 105 or CRM 105

Additional Restrictions/Requirements:

Prerequisite courses or higher (excluding MAT 141 and MAT 142), or a score of 4 or higher on the UNCW math placement test.

University Studies: ["Building Competencies/Information Literacy"] Crosslisting:

CRM 300

Course Repeatability: Course may not be repeated. Major Restriction: Sociology or Criminology Minor Restriction: Sociology or Criminology

SOC 301 - Sociological Data Analysis and Interpretation

Course Description:
Instruction in computer-assisted univariate and bivariate analysis and interpretation of social science data.
Credit Hours: 3 Prerequisite Courses:
CRM 105 or SOC 105, and CRM 300 or SOC 300, STT 215 or MAT 101 or higher (excluding MAT 141, MAT 142)
University Studies: ["Common Requirements/Critical Reasoning"] Crosslisting:
CRM 301
Course Repeatability: Course may not be repeated.

SOC 303 - Media and Society

Course Description:
The relationship between mass media, culture, and society with special emphasis on the social, political, and economic contexts of the mass media. Media examined include television, the press, films, popular music, and the electronic superhighway.
Credit Hours: 3 Prerequisite Courses: SOC 105 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SOC 304 - Popular Culture

Course Description:
Sociological analysis of popular forms of everyday life in America: fashion, fads, entertainment trends, advertising, television programming, music, myths, stereotypes, and icons of mass-mediated culture.
Credit Hours: 3 Prerequisite Courses: SOC 105 University Studies: ["Approaches and Perspectives/Living in Our Diverse Nation", "Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SOC 305 - Demography

Course Description:
A study of the changes in size, composition, distribution of population and the dynamics underlying them.
Credit Hours: 3 Prerequisite Courses: SOC 105 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SOC 306 - Sociology of Culture

Course Description:

Overview and analysis of the interplay between social and cultural structures. Examination of research in and theories of culture and social structure's dialectical relationship; dominant ideology and hegemony; cultural capital and cultural reproduction; symbol, ritual, and moral order; knowledge production and transformation; dynamics of cultural change.

Credit Hours: 3 Prerequisite Courses: SOC 105 Additional Restrictions/Requirements: Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SOC 315 - Urban Sociology

Course Description:

Analysis of the history and development, social organization, and problems of the city.

Credit Hours: 3 Prerequisite Courses: SOC 105 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SOC 320 - Rural Sociology

Course Description:

An examination of the issues and perspectives in rural sociology. Multiple sociological aspects of rural life will be explored focusing on gender, race, social class and social change.

Credit Hours: 3 Prerequisite Courses: SOC 105 University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SOC 321 - Immigration and U.S. Society

Course Description:

Sociological considerations of immigration with a focus on the U.S. Major topics include why people migrate, the role of immigration and the immigration system in the larger society, how immigrants impact U.S. society, how social locations and institutions shape immigrants' lives.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Understanding Human

Institutions and Behaviors", "Approaches and Perspectives/Living in a Diverse Nation"] Course Repeatability: Course may not be repeated.

SOC 325 - Racial and Ethnic Group Relations

Course Description:

An examination of race and ethnicity in modern societies and social, economic, and political inequalities among racial and ethnic groups. Major topics include political-economic causes and consequences of prejudice, racism and institutional discrimination; social history of intergroup relations in the United States; comparative intergroup relations.

Credit Hours: 3 Prerequisite Courses: SOC 105 University Studies: ["Approaches and Perspectives/Living in Our Diverse Nation"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SOC 335 - The Sociology of Deviant Behavior

Course Description:

Analysis of certain behavior in terms of deviations from norms. Application of sociological and psychological concepts and theory to deviant behavior, and critical evaluation of non-sociological research and theories.

Credit Hours: 3 Prerequisite Courses:

SOC 105

Crosslisting:

CRM 335

Course Repeatability: Course may not be repeated.

SOC 336 - Sociology of Aging

Course Description:

Sociological theories and methods used to explain the aging process. Topics include demography, age stratification, aging and the life course, minority elderly, housing patterns, health, and social policy.

Credit Hours: 3 Prerequisite Courses: SOC 105 or GRN 101 University Studies: ["Approaches and Perspectives/Living in Our Diverse Nation", "Approaches and Perspectives/Understanding Human Institutions and Behaviors"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SOC 337 - Medical Sociology

Course Description:

A sociocultural analysis of the general area of health and illness. Emphasis is given to understanding the distribution of health and illness in the United States and its impact on the patient status. The course includes a discussion of the organization and use of health care services from a sociological perspective.

Credit Hours: 3 Prerequisite Courses: SOC 105 University Studies: ["Approaches and Perspectives/Understanding Human Institutions and Behaviors"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SOC 340 - Organizations in Modern Society

Course Description:

An introduction to the dynamics of social life in large-scale organizations. Topics include organizational social psychology, organizational structure and process, and organization-community relations.

Credit Hours: 3 Prerequisite Courses: SOC 105 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SOC 345 - Sociology of the Family

Course Description:

Origin and development of the family as a social institution from an historical and comparative approach; analysis of forms and functions of the family; socialization, mate selection, procreation.

Credit Hours: 3 Prerequisite Courses: SOC 105 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SOC 346 - Sociology of Religion

Course Description:

An analysis of the structure, function and process of religion, emphasizing the reciprocal relation of religion and cultural and religious differentiation and institutionalization.

Credit Hours: 3 Prerequisite Courses: SOC 105 University Studies: ["Approaches and Perspectives/Understanding Human Institutions and Behaviors", "Approaches and Perspectives/Living in Our Diverse Nation"] Course Repeatability: Course may not be repeated.

Maximum Repeatable Hours: 3

SOC 347 - Sociology of Education

Course Description:

Historical-comparative sociological analysis of formal education systems in modern societies. Examination of sociological theories of education as they apply to political economy, stratification, social selection, cultural reproduction, and social change.

Credit Hours: 3 Prerequisite Courses:

SOC 105 .

University Studies: ["Approaches and Perspectives/Living in a Diverse Nation, Understanding Human Institutions and Behaviors"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SOC 350 - Gender and Society

Course Description:

Focus on gender in social life. Theoretical explanations of gender differentiation, with an emphasis on socialization, stratification, family, work, education, politics, and social change.

Credit Hours: 3 Prerequisite Courses: SOC 105 University Studies: ["Approaches and Perspectives/Living in Our Diverse Nation"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SOC 355 - Social Movements

Course Description:

Analysis of why people protest and form collectives. Examination of the research and theories in social movements with special attention to origins, dynamics, and consequences using a sociological lens.

Credit Hours: 3 Prerequisite Courses:

SOC 105 .

University Studies: ["Approaches and Perspectives/Living in a Diverse Nation"] Course Repeatability: Course may not be repeated.

SOC 360 - Social Theory

Course Description:

An introduction to major theoretical perspectives in sociology including functional

theory; conflict theory; exchange theory; interactionist theory; and structural theory.
Credit Hours: 3 Prerequisite Courses: SOC 105 Additional Restrictions/Requirements:
Prerequisite course and six additional hours in sociology.
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SOC 365 - Social Psychology

Course Description:
A sociological analysis of human social interaction. Topics include symbolic interaction, socialization, interpersonal relations. Focus is on social and cultural influences on individual and group behavior.
Credit Hours: 3 Prerequisite Courses: SOC 105 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SOC 370 - Sociology through Film

Course Description:
Use of film to examine sociological concepts, social forces, and social issues. Viewing feature-length films with a critical eye enables exploration of social phenomena, including race/ethnicity, social class, gender, sexuality, cultural capital, and social identity.
Credit Hours: 3 Prerequisite Courses: SOC 105 Additional Restrictions/Requirements:
Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SOC 376 - Juvenile Delinquency

Course Description:
The analysis and description of the problem of juvenile delinquency as it exists in a changing contemporary society.
Credit Hours: 3 Prerequisite Courses: SOC 105 Crosslisting:
CRM 376
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SOC 377 - Restorative Justice

Course Description:
Study of restorative justice as a global and local reform strategy to provide

meaningful justice options to people whose lives have been impacted by crime. Explores the theory, practice, and empirical findings associated with restorative justice. Applied learning is central to this class in that circle process is used throughout the semester as a platform for instruction.

Prerequisite or Corequisite Courses:

CRM 105 / SOC 105 and CRM 255 / SOC 255 or CRM 256 / SOC 256

Additional Restrictions/Requirements:

Or permission of instructor.

Course Repeatability: Course may not be repeated.

SOC 380 - Social Classes

Course Description:

Examination of social stratification as the system of distribution of privilege, power and prestige in modern and traditional societies. Discussion of major theories and theorists of stratification; the structure and process of systems of social inequality; the causes, correlates and consequences of socially structured inequality.

Credit Hours: 3 Prerequisite Courses: SOC 105 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SOC 385 - Environmental Sociology

Course Description:

Examination of human-environment interactions from a sociological perspective. Focus on culture, patterns of inequalities, consumption, and beliefs about the environment and their impacts on the natural world.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in a Diverse Nation", "Approaches and Perspectives/Understanding Human Institutions and Behaviors"] Course Repeatability: Course may not be repeated.

SOC 391 - Public and Applied Sociology and Criminology Seminar

Course Description:

Application of sociological tools to real-life issues in a variety of social settings. Methods may include surveys, interviews, focus groups, secondary data analysis, and evaluation applications. Development of proposals for research projects conducted in a second, sequenced course in the following semester.

Credit Hours: 3 Prerequisite or Corequisite Courses:

SOC 301 or CRM 301 .

Prerequisite Courses:

SOC 300 or CRM 300 , and SOC 360 .

University Studies: ["Building Competencies/Information Literacy", "Explorations Beyond the Classroom"] Crosslisting:

CRM 391

Course Repeatability: Course may not be repeated.

SOC 399 - Topical Seminar

Course Description:

Discussion of selected topics in sociology. May be repeated under a different subtitle.

Credit Hours: 1 To 3 Prerequisite Courses: SOC 105 Additional Restrictions/Requirements:

Prerequisite course and consent of instructor.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 9

SOC 415 - Globalization and Development

Course Description:

An examination of development and globalization theories and globalization processes in the 21st century through comparative development analysis.

Credit Hours: 3 Prerequisite Courses: SOC 105 Additional Restrictions/Requirements:

Prerequisite course and 3 additional hours in sociology at the 300 level.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SOC 433 - Sociology of Mental Disorder

Course Description:

Examination of the influences of race, social class, gender, and age on the incidence and prevalence of mental disorder. Consideration of the institutions that help those with mental disorders. Review of mental health law, including definitions of dangerousness, insanity as defense, mental health courts, and the right to treatment.

Credit Hours: 3 Prerequisite Courses:

SOC 105 .

University Studies: ["Approaches and Perspectives/Understanding Human Institutions and

Behaviors"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SOC 438 - Social Epidemiology

Course Description:

Methods and substance of social epidemiology; demographics of illness in American society. Case studies linking environmental and behavioral variables to disease incidence examined. Specific attention to the social response to AIDS and other communicable diseases.

Credit Hours: 3 Prerequisite Courses: SOC 105 Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SOC 449 - Sociology of Law

Course Description:

Analysis of the role of law in society. Special emphasis given to the relationship between law and social organization and the relation of sociocultural changes to substantive and procedural aspects of law. Law viewed as a collectivistic-individualistic process and as a reflection of sociocultural values.

Credit Hours: 3 Prerequisite Courses:

SOC 105 .

Additional Restrictions/Requirements:

Junior or senior standing.

Crosslisting:

CRM 449

Course Repeatability: Course may not be repeated.

SOC 486 - Sociology of Work and Occupations

Course Description:

Analysis of the place of work in society. Examines occupational structures as the primary link between persons and the larger society. Topics include the growth and development of occupational structure, occupations and technological change, and organizational complexity.

Credit Hours: 3 Prerequisite Courses: SOC 105 Additional Restrictions/Requirements:

Prerequisite course and three additional hours in sociology or economics.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SOC 491 - Directed Individual Study

Course Description:

Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.

Credit Hours: 1 To 3 Additional Restrictions/Requirements:

Junior or senior standing, overall GPA of at least 2.00, and consent of instructor, department chair and dean.

University Studies: ["Explorations Beyond the Classroom/Certified Internship Program"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

SOC 495 - Sociology Senior Seminar

Course Description:

A topical seminar in which students apply the sociological theory and methods they have learned as a major to a collaborative research project and paper. Required oral presentations fulfill the oral competency requirement. The seminar is the capstone course for sociology majors.

Credit Hours: 3 Prerequisite Courses: SOC 301 and SOC 360 Additional Restrictions/Requirements:

Senior standing.

University Studies: ["Building Competencies/Writing Intensive", "Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SOC 496 - Practicum in Public and Applied Sociology and Criminology

Course Description:

Completion of student research proposed and approved in CRM/SOC 391, as well as completion of a practicum or internship. The second course in a two-semester capstone sequence.

Credit Hours: 6 Prerequisite Courses:

SOC 300 or CRM 300 , and SOC 301 or CRM 301 , and SOC 360 , and SOC 391 or CRM 391 .

Additional Restrictions/Requirements:

Junior or senior class standing.

University Studies: ["Building Competencies/Writing Intensive", "Explorations Beyond the Classroom", "Common Requirements/Critical Reasoning"] Crosslisting:

CRM 496

Course Repeatability: Course may not be repeated.

SOC 498 - Internship in Sociology

Course Description:

The application of sociological theory and concepts under supervision at a site in which the student observes and participates in highly organized social interaction. Placement must be approved by faculty coordinator, department chair, and dean in the semester prior to the internship.

Credit Hours: 1 To 6 Prerequisite Courses: SOC 300 and SOC 301 and SOC 360 Additional Restrictions/Requirements:

Junior or senior standing, prerequisite courses, at least a 2.00 GPA, and consent of instructor. Cannot take internship and practicum.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:

Additional Course Fee Schedule

SOC 499 - Honors Work in Sociology

Course Description:

Independent work for honors students in which students apply sociological theory and methods to a major research project and paper that is then presented orally before an examining committee. Honors work is typically completed in two 3 credit hour semesters. **This course serves as an alternative to the SOC 490 [Inactive] capstone requirement for sociology general track majors. Satisfies College of Arts and Sciences oral communication requirement.**

Credit Hours: 2 To 3 Prerequisite Courses: SOC 301 and SOC 360 Additional Restrictions/Requirements:

Junior or senior standing, prerequisite courses, and eligibility for honors program.

University Studies: ["Writing Intensive", "Information Literacy", "Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

Department of Theatre

http://www.uncw.edu/thr

The Department of Theatre provides high level education and training in theatre arts within the context of a liberal arts environment. We offer three areas of concentration: performance, production design and technology, and theatre studies. Students committed to performance or production design and technology are challenged with pre-professional training and a solid academic core that prepares them for a range of outcomes: from entry into the theatre, television, and film markets to exciting careers in a broad range of industries. Studies in the theatre studies track select courses and complete related projects unique to their academic and professional goals. The theatre studies option provides flexibility in sequencing courses, ideal for the transfer student or double major seeking to complete a degree within four years. For theatre minors and general university students, we offer a range of production opportunities and academic and applied learning workshop courses to enhance their educational experience. Due to limited enrollment and necessary prerequisite skill sets, certain courses in this department (THR 301 , THR 302 , THR 332 , THR 333 , THR 335 , THR 401 , THR 402 , THR 433) require consent of instructor.

Theatre Minor

Theatre, B.A.

Dance Minor

The dance minor at UNCW was created to provide a strong technical dance base along with an opportunity to explore dance in the community, giving students an appreciation of dance as an art form with a strong cultural and social perspective. The Wilmington dance community is vibrant and strong, allowing students to experience dance in many forms in both the studio and in performance, including ballet, modern, musical theatre, opera, hip hop, and global dance forms

including African, Latin, Indian, or other international dance styles.
A total of 19 credit hours are required for the completion of the minor.

THR 110 - Introduction to Theatre Technology

Course Description:
Examination of current materials and techniques employed in technical production with an emphasis on scenery and lighting technology.
Credit Hours: 3 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

THR 112 - Dance Appreciation

Course Description:
Appreciation of dance as an art form. The study of dance as a reflection and expression of various cultures from pre-history to present. Includes exposure to contemporary concert dance through films and televised or live performance. Introductory experience in selected dance techniques.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

THR 121 - Introduction to Theatre

Course Description:
Appreciation of theatre through an understanding of its artistic elements, history, dramatic literature, and audience involvement.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

THR 125 - Introduction to Design

Course Description:
Examines basic techniques, language, methods and practice employed in theatrical design. Three lecture and three lab hours per week concurrent with University Theatre production needs.
Credit Hours: 3 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

THR 130 - Improvisation

Course Description:

Exploration of spontaneous dramatic playing through intensive exercises and theatre games meant to generate greater individual freedom and self-discipline, as well as to employ improvisation techniques in acting to develop characterization, stage movement, and ensemble performance.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

THR 134 - Ballet I

Course Description:

Basic and comprehensive Ballet Technique at a beginning level. Accumulative credit limited to six semester hours.

Credit Hours: 3 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

THR 135 - Modern Dance I

Course Description:

A beginning level modern dance class focusing on dance as an art form. Provides students with the opportunity to explore modern dance technique through floor work, center floor work, combinations moving through space, and strength and flexibility training.

Credit Hours: 3 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

THR 136 - Movement Exploration

Course Description:

Study through creative dance techniques of the body's potential as a tool for creative expression. Exploration of the relationship of dance to other art forms. Solo and group work using basic art concepts and the individual's own experience as materials for movement improvisation and composition. No dance training necessary.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives"] Crosslisting:

PED 136
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

THR 165 - Playscript Analysis for Production

Course Description:
The study of a diverse cross-cultural section of plays, analyzed through elements of the dramatic text including character, structure, style, language, genre, and theme as they are applied in production.
Credit Hours: 3 University Studies: ["Building Competencies/Writing Intensive", "Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

THR 201 - Drafting for the Theatre

Course Description:
Graphic solutions used in set design including drawing of plans, sections, elevations, orthographic projection, and the perspective techniques.
Credit Hours: 3 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

THR 202 - Rendering for Stage Design

Course Description:
Introduces students to the variety of techniques used to render designs for the stage. Students will learn to communicate their ideas visually through exercises in advanced perspective drawing, painting, costume plates, and model making.
Credit Hours: 3 Prerequisite Courses: THR 201 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

THR 205 - Stage Make-Up I

Course Description:
Theory and practice in the application of make-up for theatrical performances. Emphasizes make-up design theory used by the actor in his/her exploration of character. Requires crew participation in UNCW University Theatre productions.
Credit Hours: 3 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

THR 207 - Costume Construction I

Course Description:

Introduction to sewing techniques, methods of construction, and equipment used with various costume components for the stage. Three lecture and three lab hours per week concurrent with University Theatre productions needs.

Credit Hours: 3 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

THR 208 - Costume Crafts I

Course Description:

Introduction to a variety of craft and garment accessory construction techniques. Individual and departmental production projects.

Credit Hours: 3 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

THR 211 - Introduction to CAD

Course Description:

A study of theatre drafting conventions and software-related techniques. Topics include line-use, dimensions, text, notation, and symbols for use in creating floor plans, elevations, shop drawings, pictorials, and lighting plots.

Credit Hours: 3 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

THR 230 - Acting For Non-Majors

Course Description:

An introduction to basic acting techniques for non-majors.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

THR 231 - Craft of Acting I - Self-discovery and Truth - Fundamental Techniques of Acting

Course Description:

Introductory level acting studio focused on the process of approaching a role. Script reading and analysis from the actor's perspective with specific attention given to circumstances and the world of the play. Concludes with the performance of a scene from a play. No prior acting experience required.
Credit Hours: 3 Course Repeatability: Course may not be repeated. Major Restriction: Theatre Majors Only

THR 232 - Improvisation for Theatre Majors

Course Description:
An in-depth exploraton of spontaneous dramatic playing through intensive exercises and theatre games meant to generate greater individual freedom and self-discipline, as well as to employ improvisation techniques in acting to develop characterization, stage movement, and ensemble performance through the use of short form and long form improvisation.
Credit Hours: 3 Prerequisite Courses: THR 231 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

THR 234 - Ballet II

Course Description:
Basic Ballet Technique at an intermediate level. Accumulative credit limited to six semester hours.
Credit Hours: 3 Prerequisite Courses: THR 134 or PED 134 Additional Restrictions/Requirements: Prerequisite courses or consent of instructor.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

THR 235 - Modern Dance II

Course Description:
An intermediate level modern dance class. Provides students with the opportunity to explore the modern dance technique through floor work, center floor work, combinations moving through space, and strength and flexibility training. Combinations will be more complex, requiring more fully articulated techniques, as introduced in THR 135 .
Credit Hours: 3 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

THR 236 - Tap Dance

Course Description:

The foundations of tap, including traditional vocabulary and improvisation, with an emphasis on musical theatre forms.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

THR 237 - Musical Theatre Dance

Course Description:
Development of body awareness in dance practice and performance utilizing traditional and contemporary musical theatre styles.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

THR 242 - Production Studio I

Course Description:
Provides an introduction to the elements of technical theatre as practiced in production. Accomplished through securing and executing a position on the running crew of one of the two main stage productions or through active involvement in the mounting of our Mainstage productions.
Credit Hours: 1 University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 2 Repeat Limit: 1

THR 250 - Applied Performance Laboratory

Course Description:
University Theatre sponsored laboratory for applied performance. Students must undergo a competitive audition held by UNCW director, and successful casting, rehearsal, performance and associated duties of a University Theatre production.
Credit Hours: 2 Additional Restrictions/Requirements:
Consent of instructor.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 4 Repeat Limit: 1

THR 251 - Production Studio II

Course Description:

An advanced study in mounting theatrical productions. Focuses on elements of the technical process and how it is integrated with the other collaborative elements into production. Students enrolled in this course will take a managerial role through the supervision of beginning lab level students.
Credit Hours: 2 Prerequisite Courses: THR 242 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 2

THR 295 - Topics in Theatre

Course Description:
A broad study of a topic within the theatre discipline, such as history of theatrical design, dramatic theory. Commedia dell Arte. Content will be geared to the student with a general understanding of theatre. May be repeated under a different subtitle.
Credit Hours: 3 Prerequisite Courses: THR 165 Additional Restrictions/Requirements:
Prerequisite course or consent of instructor.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

THR 301 - Physical and Vocal Expression for the Performer I

Course Description:
Prerequisite: Theatre major in the 'Performance' concentration or consent of instructor. Exploration of the body and voice as the primary tools of the actor's instrument. Identification of habitual practices such as physical tensions and manifestation of blocks will be addressed. Codified methodologies of vocal training for the actor will be introduced. Intended to initiate a lifelong process of opening the body as an instrument for free expression of the voice and imagination.
Credit Hours: 3 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

THR 302 - Physical and Vocal Expression for the Performer II

Course Description:
Continuation of the process of opening the body as an instrument for free expression of the voice and imagination. Exposure to working with heightened language, verse, Greek plays, and poetry.
Credit Hours: 3 Prerequisite Courses:
THR 301 with a grade of B or better.
Course Repeatability: Course may not be repeated.

THR 305 - Scene Design I

Course Description:

An intermediate study of set design development and presentation building upon coursework begun in THR 125, and focusing specifically upon the art, history, methodology, and practice of theatrical design. 20 lab hours of applied experiential learning required.

Credit Hours: 3 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

THR 306 - Light Design I

Course Description:

Basic techniques of lighting design. Includes fundamentals of lighting production techniques and equipment, and the use of color. Requires lab participation in University Theatre productions.

Credit Hours: 3 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

THR 308 - Costume Design I

Course Description:

Principles of theatrical design applied to stage costume. Period play interpretation, figure drawing, color theory, and rendering techniques pursuant to developing an individual aesthetic and design style.

Credit Hours: 3 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

THR 309 - History of Fashion

Course Description:

Exploration of the changes in silhouette and fabrication of clothing from ancient Greece to today. Special emphasis on the social and cultural consequences of fashion in different societies.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

THR 310 - Sound Design I

Course Description:
A study and application of the elements required for creating an acoustical landscape for theatrical productions. Topics include design, script analysis and research techniques to create sound designs.
Credit Hours: 3 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

THR 312 - Scene Painting

Course Description:
Beginning exercises with materials and tools used to paint stage settings and backdrops. Demonstrations and projects in brush and non-brush techniques; layout; color mixing; and stencils. Practical projects include color blends; textures; brick and stone; interior and exterior woodwork, and marble. Requires involvement with University Theatre productions.
Credit Hours: 3 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

THR 313 - Properties Design

Course Description:
Examine, explore and practice the theatre craft of properties design through analysis to fabrication, identification, acquisition or repurposing of existing props and materials. 20 hours of applied/experiential learning in a lab situation required.
Credit Hours: 3 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

THR 314 - Set Decorating

Course Description:
Students will develop, practice and demonstrate a strong working knowledge of the art and craft of theatrical and film set decoration through a series of practical and theoretical projects throughout the semester. 20 hours of applied/experiential learning in a lab situation required.
Credit Hours: 3 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

THR 316 - Playwriting I

Course Description:

Intensive and imaginative exploration of playwriting through various exercises designed to foster and challenge personal creativity, ensure aesthetic understanding and application, while advancing fundamentals of craft. Concludes with the creation of a ten-minute play, or short form play.
Credit Hours: 3 University Studies: ["Building Competencies/Writing Intensive"] Crosslisting: CRW 316
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

THR 318 - Devising Theatre

Course Description:
Collaborative creation and presentation of an original performance based on a topic of cultural significance and student interest. Rather than write a dramatic script, students build a performance text. Sources of inspiration may include improvisation, music, dance, visual imagery, and electronic media.
Credit Hours: 3 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

THR 321 - A Social History of Western Theatre I

Course Description:
Development of theatre and drama from classical Greece through the Renaissance. Emphasis on theatrical performance including acting, staging, architecture, dramatic literature and audiences.
Credit Hours: 3 Prerequisite Courses: THR 165 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

THR 322 - A Social History of Western Theatre II

Course Description:
Development of theatre and drama from the late Renaissance to World War II. Emphasis on theatrical performance including staging, architecture, dramatic literature and audiences.
Credit Hours: 3 Prerequisite Courses: THR 165 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

THR 325 - Stage Make-up II

Course Description:

Advanced stage make-up focusing on the principles of ventilating, prothestics,wig styling, character analysis and design. Detailed discussion of collaboration between the make-up artist, actor, costume designer, and director will also be included.

Credit Hours: 3 Prerequisite Courses: THR 205 Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

THR 327 - Costume Construction II

Course Description:

Advanced costume construction to further the student's understanding, sewing, and patternmaking skills. Emphasis will be place on draping, couture sewing techniques, and detailed finishing of costumes. A two-hour lab per week is also required for completion of course.

Credit Hours: 3 Prerequisite Courses: THR 207 Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 3

THR 328 - Puppetry – Design and Fabrication

Course Description:

Analysis of puppetry through the study of basic mechanical systems, sculpting, sewing and finishing techniques from conception to presentation. Introduction to puppet design, control and performance through applied projects.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

THR 329 - Materials and Techniques

Course Description:

Advanced study of materials and techniques employed by professional technical designers.

Credit Hours: 3 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

THR 330 - Audio Engineering I

Course Description:

Examination of current techniques employed by system engineers for creating, editing and recording sound effects for theatrical production.
Credit Hours: 3 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

THR 332 - Craft of Acting II - Listening and Responding in the Moment

Course Description:
Study of acting techniques based on methodologies including those of Stanislavsky, Meisner, Donellan, and Hagen. In-depth exploration of contemporary realism and comedy scene study.
Credit Hours: 3 Prerequisite Courses:
THR 230 (grade of B or better) or THR 231 (grade of B or better), or consent of instructor.
Course Repeatability: Course may not be repeated. Major Restriction: Theatre Major

THR 333 - Craft of Acting III - Advanced Scenework

Course Description:
Exploration of the foundations of performing including late 19th century realism, absurdism, existenialism, theatre of cruelty, and expressionism.

Credit Hours: 3 Prerequisite Courses:
THR 301 with a grade of B or better and THR 332 with a grade of C or better.
Course Repeatability: Course may not be repeated. Major Restriction: Theatre Major only

THR 334 - Audition Techniques for Stage and Film

Course Description:
Designed to apply the skill set acquired during acting study to typical industry casting opportunities. Four auditioning contexts: theatrical, commercial, film, and television. Students are presented with actual scripts and scenes used in entertainment industry situations. Auditions are taped for instructor, student, and peer critique. Upon successful completion, students gain understanding of the audition process, including presentation of self in an appropriate, professional manner.

Credit Hours: 3 Prerequisite Courses:

THR 332

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor. Junior or senior theatre majors only.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

THR 335 - Acting for the Camera

Course Description:

Exploration of acting techniques particular to the mediums of film and video.

Credit Hours: 3 Prerequisite Courses:

THR 230 or THR 231 or THR 332 or consent of instructor.

Crosslisting:

FST 335

Course Repeatability: Course may not be repeated. Additional Course Fees: ["None"] Additional Fees Link:

Additional Course Fee Schedule

THR 336 - Shakespeare and Autism

Course Description:

An ensemble based intra-disciplinary and cross-disciplinary theatre performance course. The course provides students enrolled in the course with the training needed to offer interactive Shakespeare-based drama workshops to children from the community who have been diagnosed with autism spectrum disorder (ASD).

Credit Hours: 3 Additional Restrictions/Requirements:

Consent of instructor.

University Studies: ["Approaches and Perspectives/Living in a Diverse Nation"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

THR 341 - Dance for the Camera

Course Description:

Introduction to creating choreography for the screen, using technology to create creative dance works through both lecture and lab-based instruction.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

THR 342 - Dance Improvisation and Composition

Course Description:

Foundations of guided improvisation and the necessary tools for creating dance choreography.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

THR 343 - Dance and Popular Culture

Course Description:

Exploration into the historical and social perspective of dance in popular culture, including screen, social media, club dancing, etc., and its effect on contemporary society.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

THR 344 - Dance and Social Issues

Course Description:

Exploration of dance as it relates to cultural and social issues from an artistic and historical perspective.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

THR 345 - Hip Hop

Course Description:

Fundamentals of the varying styles of Hip Hop with a focus on street dance styles, freestyle, and dancing in the commercial industry.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

THR 346 - Global Dance Forms

Course Description:

Exploration of traditional dance forms from around the world, including African, Latin, Indian, or other international dance styles. Each semester focuses on the choreography and traditions of one global dance form from both technical and historical perspectives in a studio class format.

Credit Hours: 3 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Repeat Limit: 1

THR 347 - Partnering for Dance

Course Description:

Contemporary partnering practice, utilizing weight sharing and resistance, balance, lifting, etc.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

THR 348 - Music for Dance

Course Description:

An exploration of musical styles, global music forms, and rhythm fundamentals for dance artists, including choreographer and teacher.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

THR 349 - Dance in the Community

Course Description:

Opportunity for students to connect with the community, through performance, teaching, or creating choreographic works in a variety of settings. Developing skills to network with other dance organizations or studios.

Credit Hours: 1 Additional Restrictions/Requirements:

Approval of Dance Coordinator required.

Course Repeatability: Course may not be repeated. Additional Course Fees: ["Additional Fee - Liability Insurance"] Minor Restriction: Dance Minor Only

THR 355 - Directing I

Course Description:

Fundamental principles of directing with emphasis on one-act productions.

Credit Hours: 3 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

THR 365 - Studies in Drama

Course Description:

ENG 103 or ENG 201 recommended but not required. A variety of plays representing tragedy, comedy, and modern forms. Works from a variety of periods, authors, and traditions with some attention to dramatic criticism.

Credit Hours: 3 Crosslisting:

ENG 365

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12 Repeat Limit: 1

THR 366 - Black American Theatre

Course Description:

Critical study of Black American theatre traditions and innovations from 1800 to present. May include various writers, dramatists, and performers from across the African Diaspora.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in a Diverse Nation"] Course Repeatability: Course may not be repeated.

THR 367 - Women in Theatre

Course Description:

Critical study of women and labor in the history of theatre and performance. Various texts studied may include primary source archival material, historical periodicals and newspapers, academic journals, and published biographies.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in a Diverse Nation"] Course Repeatability: Course may not be repeated.

THR 368 - Contemporary British and Irish Dramatic Literature

Course Description:

Major playwrights and plays of representative British and Irish Drama after WW II.

Credit Hours: 3 University Studies: ["Building Competencies/Writing Intensive", "Approaches and Perspectives/Living in a Global Society"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

THR 369 - The American Canon: Seminar in Dramatic Literature

Course Description:

This course provides a solid foundation in the major playwrights and playwriting trends of the American canon from the Golden Age (O'Neill, Williams, Miller and Albee) throught the most significant current plays and playwrights.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in a Diverse Nation", "Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

THR 370 - Theories of Theatre and Performance

Course Description:

Study of various theatrical, philosophical and aesthetic bases of performance forms and styles from a variety of periods.

Credit Hours: 3 University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

THR 371 - Applied Dramaturgy

Course Description:

An intensive exploration of dramaturgy through various activities designed to build practical dramaturgy skills such as dramaturgical research, new play development, and audience outreach.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

THR 380 - Stage Management

Course Description:

The techniques used by professionals for the managment of theatrical and performance events. Students will learn organizational and leadership skills necessary for being sucessful stage managers.

Credit Hours: 3 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 3

THR 381 - Theatre Management

Course Description:

An introduction to the theory and art of managment in the American theatre. Basic principles of business practices and relate them to theatre management. Examines the various types of theatre organizations and production methods.

Credit Hours: 3 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

THR 395 - Applied Studies in Theatre

Course Description:

A broad study of topics within the theatre discipline, such as advanced design and technology, history of theatrical design, dramatic criticism, advanced directing,

advanced playwriting, and stage management. May be repeated under a different subtitles.
Credit Hours: 3 Prerequisite Courses: THR 165 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

THR 401 - Advanced Movement

Course Description:
Advanced movement techniques and skills for actors including armed and unarmed combat, basic stuntwork, circus skills and viewpoints. Period style courtesies such as Commedia dell'arte appropriate for the stage or camera.
Credit Hours: 3 Additional Restrictions/Requirements:
Consent of instructor.
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

THR 402 - Advanced Voice

Course Description:
Advanced technical vocal skills for actors including dialects for the stage expressed in the world canon of literature and performance. Advanced application of the International Phonetic Alphabet and vocal production will be explored.
Credit Hours: 3 Prerequisite Courses:
THR 301 and THR 302
Additional Restrictions/Requirements:
Theatre major. Consent of instructor.
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

THR 405 - Scene Design II

Course Description:
Expand upon the study and practice of scene design, challenging the students to explore and create for the demands of larger scale productions, including multi-set dramas, musical theatre and opera.
Credit Hours: 3 Prerequisite Courses: THR 305 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

THR 406 - Lighting Design II

Course Description:

Provides hands-on lighting and design experience in the light lab. Includes a variety of projects that will expand the student's abilitiy to ""look at light"" and to develop an eye as a designer. This course includes lab work on university productions.
Credit Hours: 3 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

THR 408 - Costume Design II

Course Description:
Designed to further the student's understanding of historical period details, figure drawing, and color theory. Emphasis will be placed on rendering techniques, script analysis, and character interpretation. The students will also improve on their sewing and patterning techniques to create actualized costumes.
Credit Hours: 3 Prerequisite Courses: THR 207 and THR 308 Additional Restrictions/Requirements:
Prerequisite courses or consent of instructor.
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

THR 410 - Sound Design II

Course Description:
Advanced study of sound design within a project-based course. Students will submit production concept statments and recordings for the production in a quality format. Special focus will be on original composition for theatrical production. All work will be formally submitted for evaluation.
Credit Hours: 3 Prerequisite Courses: THR 310 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

THR 411 - Three-Dimensional Computer Modeling

Course Description:
A study of software to develop models of scene designs for the stage. Topics include shape and texture generation; light handling; rendering; scanning; and output.
Credit Hours: 3 Prerequisite Courses: THR 211 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

THR 412 - Production Design for Film

Course Description:
Examination of selected commercial films and art directors from various decades and genres that represent milestones in the history of Production Design. Development of practical design projects such as storyboards, color perspective rendering, 3D models and matte painting.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

THR 416 - Playwriting Workshop

Course Description:
This course focuses on the development of the new play from early drafts, through revision, workshops, rehearsal toward a staged reading or concert level production. Select scripts may be considered for the department's student lab series. Playwrights will have opportunities to work with actors in the development of dialogue, monologue, and character. Stress will be placed on the revision process and working with collaborators in the play's development.
Credit Hours: 3 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

THR 430 - Audio Engineering II

Course Description:
Examination of current techniques employed by system engineers regarding reinforcement techniques for live theatrical events. Emphasis will be on: microphone use for vocal and instrumental reinforcement in musical and non-musical situations, and the integration of system components (both digital and analog) into system designs for live production.
Credit Hours: 3 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

THR 432 - Acting Technique: Jacobean Theatre

Course Description:
Extends the training from Acting III into Jacobean playwrights. Creating a process for a deeper understanding of working with classical text is a central focus.

Credit Hours: 3 Prerequisite Courses: THR 333 Additional Restrictions/Requirements:
Prerequisite course and consent of instructor.
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

THR 433 - Craft of Acting IV - Verse and Shakespeare

Course Description:
Focus on the performance of Shakespeare by understanding how Shakespearean writing flows from world-perception to response. Emphasis on poetic meter, language, and heightened language. Exploration of three-dimensional character development within the confines of Shakespearean verse.
Credit Hours: 3 Prerequisite Courses:
THR 332 and THR 333, each with a grade of C or better.
Course Repeatability: Course may not be repeated. Major Restriction: Theatre Major

THR 435 - Acting for the Camera II

Course Description:
Expands upon the foundations learned in Acting for the Camera I with greater emphasis on character development, advanced acting technique for camera, and being able to provide honest performances in an on-demand setting. In-depth work with emotion and physicality will be explored.
Credit Hours: 3 Prerequisite Courses: THR 335 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

THR 455 - Directing II

Course Description:
Advanced techniques in the direction of plays for the stage.
Credit Hours: 3 Prerequisite Courses: THR 355 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

THR 485 - Senior Project

Course Description:
Every major may choose an area in theatre for a senior project. The proposal for planning and executing a public presentation in the chosen area must be submitted to the faculty of the Department of Art and Theatre for approval prior to the semester

during which the project will be attempted.
Credit Hours: 3 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

THR 486 - Senior Seminar: Performance

Course Description:
A comprehensive assessment of the performance student's experience and study as a theatre major in preparation for continued study or employment. Preparation of portfolio and scenes.
Credit Hours: 3 Additional Restrictions/Requirements:
Senior standing in theatre.
University Studies: ["Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

THR 487 - Senior Seminar: Design and Technology

Course Description:
A comprehensive assessment and synthesis of the design/tech student's four-year experience as a theatre major in preparation for employment or continued study. Development of resumand career goals strategy, organization and formatting of portfolio materials, presentation exercises, and a study of interview and workplace issues.
Credit Hours: 3 Additional Restrictions/Requirements:
Senior standing in theatre.
University Studies: ["Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

THR 488 - Senior Seminar: Customized Option

Course Description:
A senior experience for students in the Customized Option of the theatre B.A. program involving review of aptitudes, both theoretical and applied, relative to an individual's potential "next step" options, whether graduate study or professional employment. Course activities may involve completion of a capstone project related to a student's specialization area(s).
Credit Hours: 3 Additional Restrictions/Requirements:
Senior standing in theatre.

University Studies: ["Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

THR 491 - Directed Individual Study

Course Description:
Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.
Credit Hours: 1 To 3 Additional Restrictions/Requirements:
Junior or senior standing, overall GPA of at least 2.00, and consent of instructor, department chair and dean.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

THR 495 - Theatre Seminars

Course Description:
Consideration of special subjects not covered in regular course offerings. More than one topic may be taken for credit.
Credit Hours: 1 To 3 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

THR 498 - Internship in Theatre

Course Description:
Academic training and practical field experience through a program of work and study within an agency and/or setting related to the student's principal area of interest. Faculty supervision and evaluation of all study and on-site activity. (A maximum of six credit hours may be applied toward the degree).
Credit Hours: 3 To 6 Additional Restrictions/Requirements:
Junior or senior standing, minimum 3.00 GPA in the major, and consent of chair.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

THR 499 - Honors Work in Theatre

Course Description:
Independent study for honors students.

Credit Hours: 2 To 3 Additional Restrictions/Requirements:

Senior standing.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

Department of World Languages and Cultures

http:://www.uncw.edu/languages

The Department of World Languages and Cultures offers classes in American Sign Language, Arabic, Chinese, French, German, Italian, Japanese, Latin, Portuguese, Russian and Spanish; as well as in literature, film studies, civilization, linguistics and classics. Majors in French, German Studies, and Spanish prepare students for graduate studies, teaching, and other careers requiring a strong liberal arts background combined with knowledge of foreign languages and cultures. Also available are minors that complement student's majors, deepen their cultural and linguistic appreciation, and enhance employment opportunities: Brazilian/Portuguese, French, German Japanese, Spanish, Russian, and in conjunction with other departments, Asian Studies, Classical Studies, European Studies, and Latin American Studies.These programs are offered in conjunction with the UNC Language Exchange (see

Depending on their interests and abilities, UNCW students may choose from several kinds of special courses and programs to individualize and otherwise enrich their studies.

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Students who have taken French, German, Latin, or Spanish in high school or students who grew up in a French, German, or Spanish-speaking home, must take the placement exam found on the department website before enrolling in classes in that language. Placement in American Sign Language, Arabic, Chinese, Italian, Japanese, Portuguese and Russian is done through consultation with the department.

Students with previous foreign language credit (AP, CLEP, transfer) may choose to take the UNCW placement exam for their respective language if they feel that they can perform at a higher level than the courses that they are transferring.

If students have successfully completed, or are registered in a 200-level course (excluding literature and culture classes taught in English), they may not take for credit, a 100-level course in the same language. If students have successfully completed, or are registered in a 300- or 400-level course, they may not take for credit, a 100-level class or a class numbered 201 or 202 in the same language. Exceptions to this rule may be granted under special circumstances and with permission from the instructor of the course(s) and the department chair.

French Minor

French, B.A.

French, B.A. with Teacher Licensure

German Minor

The College of Humanities, Social Sciences, and the Arts offers a minor in German. Students minoring in German acquire advanced-level language proficiency, become knowledgeable about the cultures of the German-speaking areas, their history and literature, and acquire a range of analytic and interpretive skills. The combination of language proficiency, cross-cultural aptitude, and the ability to think critically ensures that our graduates can navigate the world and are well-prepared for a variety of professions, including business, government, engineering, law, education, and academia. Students should contact the German Studies coordinator in the Department of World Languages and Literatures for additional information.

German Studies, B.A.

Spanish Minor

Spanish, B.A.

Spanish, B.A. with Teacher Licensure

Russian Studies Minor

Spanish, Bachelor's/Master's Combined Program

The bachelor's/master's degree program in Spanish is designed to provide a student means to complete the requirements for both degrees in a period of five years. The key feature of the program is that a student can count up to 12 hours of graduate-level courses in order to fulfill requirements for the B.A. and use those same 12 credits toward the M.A. in Spanish.

This program is designed for students currently in the B.A. in Spanish program at UNCW who have:

1. Completed a minimum of seventy-five (75) and a maximum of ninety-eight (98) credit hours, including credits earned from advanced placement if they start at UNCW or are transfer students. (Note: More hours may be permitted under certain circumstances.) Transfer students must have completed a minimum of two semesters as full-time students at UNCW, a minimum of 24 hours.

2. Completed a minimum of twelve (12) hours of 300- or 400-level Spanish courses.

3. Completed at least one of these courses: SPN 308 , SPN 311 , SPN 312 , SPN 321 , SPN 322 , SPN 323 , SPN 385 .

4. A minimum accumulated grade point average (GPA) of 3.3 and minimum grade point average (GPA) of 3.3 in the Spanish major.

Students who meet the above criteria may request permission from the department chair to apply up to 12 hours of graduate-level credit earned during their senior year towards their future master's degree in Spanish. Departmental permission to apply to the bachelor's/master's degree program does not guarantee admission to the Graduate School. Admission to the Graduate School is contingent upon meeting eligibility requirements at the time of entering the graduate program.

Students accepted into the combined program:

- Must submit the standard application for admission to the Graduate School during the first semester of their senior year including: an application form for Graduate School, application fee, transcripts, letters of recommendation and writing samples. Two voice samples, one in English and one in Spanish, must be submitted separately to the graduate coordinator who will organize the review of the application.

- Must submit a Graduate Degree Plan during the second semester of their senior year, signed by the prospective student, the department chair, and the graduate coordinator.

The Graduate Degree Plan for the master's degree must clearly indicate:

- The specific 500-level SPN courses (maximum of 12 graduate credit hours) that will be double-counted for both bachelor's and master's degrees;

- Additional graduate courses that will be taken during the senior year but not counted toward the bachelor's degree;

- The student's intention to fulfill course requirements for the master's degree no later than a year after receiving the bachelor's degree; and

• The intended graduation date for the master's degree.

Upon the Graduate School's review of the submitted materials, a letter of acceptance (or denial) to the master's program will be sent to the student and copied to the department chair and the graduate coordinator. Acceptance will be provisional and contingent on meeting specified degree requirements; including completion of the bachelor's degree.

A student who is ineligible to participate or continue in, or withdraws from the bachelor's/master's program cannot double count any courses for both bachelor's and master's degrees. For more details see the department chair or the graduate coordinator.

Portuguese/Brazilian Studies Minor

Japanese Minor

ARB 101 - Introductory Arabic I

Course Description:

Emphasis on achievement of an active command of the language. Aural-oral practice; intensive study of the basic patterns of spoken Arabic; reading, writing, and basic conversation. For students with one unit or less of high school Arabic.

Credit Hours: 3 University Studies: ["Foundations/Foreign Language"] Course Repeatability: Course may not be repeated.

ARB 102 - Introductory Arabic II

Course Description:

Emphasis on achievement of an active command of the language. Aural-oral practice; intensive study of the basic patterns of spoken Arabic; reading, writing, and

basic conversation. Only for students who have successfully completed ARB 101 or the equivalent.
Credit Hours: 3 Prerequisite Courses:
ARB 101
University Studies: ["Foundations/Foreign Language"] Course Repeatability: Course may not be repeated.

ARB 201 - Intermediate Arabic I

Course Description:
A review of the grammatical structure of the language. Application of the language in composition, conversation, and readings.
Credit Hours: 3 Prerequisite Courses:
ARB 102
University Studies: ["Foundations/Foreign Language"] Course Repeatability: Course may not be repeated.

ARB 202 - Intermediate Arabic II

Course Description:
A continuing review of the grammatical structure of Arabic at the intermediate level. Application of the language in composition, conversation and readings.
Credit Hours: 3 Prerequisite Courses:
ARB 201
University Studies: ["Foundations/Foreign Language"] Course Repeatability: Course may not be repeated.

ARB 294 - Arabic Study Abroad I

Course Description:
Lower-division level of special topics relating to the Arabic-speaking world taken abroad from UNCW faculty or as a transfer credit.
Credit Hours: 1 To 3 University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

ASL 101 - Introductory American Sign Language I

Course Description:
Emphasis on achievement of an active command of the language and a strong

foundation of ASL vocabulary and language structure. Students will be expected to demonstrate a basic/minimal level of competency in expressive and receptive skills of ASL. The basic cultural characteristics of the Deaf and Hard of Hearing communities will be introduced.
Credit Hours: 3 University Studies: ["Foundations/Foreign Language"] Course Repeatability: Course may not be repeated.

ASL 102 - Introductory American Sign Language II

Course Description:
Emphasis on achievement of an active command of the language and a strong foundation of ASL vocabulary and language structure. Students will be expected to demonstrate a progressively stronger competency in expressive and receptive skills of ASL. The cultural characteristics of the Deaf and Hard of Hearing communities will be discussed.
Credit Hours: 3 Prerequisite Courses:
ASL 101 with a minimum grade of C
University Studies: ["Foundations/Foreign Language"] Course Repeatability: Course may not be repeated.

ASL 201 - Intermediate American Sign Language I

Course Description:
A continuation and building on achievement of an active command of the language and a strong foundation of ASL vocabulary and language structure. Students will be expected to demonstrate a progressively stronger competency in expressive and receptive skills of ASL. The cultural characteristics of the Deaf and Hard of Hearing communities will be discussed.
Credit Hours: 3 Prerequisite Courses:
ASL 102
Course Repeatability: Course may not be repeated.

ASL 202 - Intermediate American Sign Language II

Course Description:
A continuation and building on achievement of an active command of the language and a strong foundation of ASL vocabulary and language structure. Students will be expected to demonstrate a progressively stronger competency in expressive and

receptive skills of ASL. The cultural characteristics of the Deaf and Hard of Hearing communities will be discussed.
Credit Hours: 3 Prerequisite Courses:
ASL 201
Course Repeatability: Course may not be repeated.

CHN 101 - Introductory Chinese I

Course Description:
Emphasis on achievement of an active command of the language. Aural-oral practice; intensive study of the basic pattern of spoken Mandarin; reading, writing, and basic conversation. For students with one unit or less of high school Chinese.
Credit Hours: 3 University Studies: ["Foundations/Foreign Language"] Course Repeatability: Course may not be repeated.

CHN 102 - Introductory Chinese II

Course Description:
Emphasis on achievement of an active command of the language. Aural-oral practice; intensive study of the basic pattern of spoken Mandarin; reading, writing, and basic conversation.
Credit Hours: 3 Prerequisite Courses:
CHN 101
University Studies: ["Foundations/Foreign Language"] Course Repeatability: Course may not be repeated.

CLA 209 - Classical Literature in Translation: Topics

Course Description:
Major authors of ancient Greece and Rome. Emphasis on ancient literature in its social context and on classical themes in later literatures. May be repeated under a different subtitle.
Credit Hours: 3 Prerequisite Courses: ENG 201 University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives", "Building Competencies/Writing Intensive"] Crosslisting:
ENG 209
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

CLA 210 - Mythology

Course Description:

The major mythological systems of Western society Greek, Roman and Norse. Mythology of other parts of the world and related material are also considered.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives", "Approaches and Perspectives/Historical and Philosophical Approaches"]

Crosslisting:

ENG 210

Course Repeatability: Course may not be repeated.

CLA 211 - Classical Mythology

Course Description:

The myths of ancient Greece and Rome through literary, artistic, and documentary sources.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

CLA 330 - Women in Ancient Greece and Rome

Course Description:

Women in ancient Greece and Rome through documentary, artistic and literary sources. Women's economy and community, medical issues, slavery, religion, construction of gender roles, and images of heroines in literature and the arts.

Credit Hours: 3 Additional Restrictions/Requirements:

Sophomore, junior, or senior standing.

University Studies: ["Approaches and Perspectives/Historical and Philosophical Approaches", "Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

CLA 345 - Topics in Mythology

Course Description:

The study of a selected theme in world mythologies. Content varies from semester to semester. May be repeated once under a different subtitle.

Credit Hours: 3 Additional Restrictions/Requirements:

Six hours of literature at the 200 level or above, or consent of instructor.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 3

CLA 491 - Directed Individual Study

Course Description:

Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult Directed Individual Studies section in this catalogue.

Credit Hours: 1 To 3 Additional Restrictions/Requirements:

Junior or senior standing, overall GPA of at least 2.00, and consent of instructor, department chair, and dean.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

FRH 101 - Introductory French I

Course Description:

Emphasis on achievement of an active command of the language. Aural-oral practice; intensive study of the basic patterns of spoken French; reading, writing, and basic conversation. For students with one unit or less of high school French.

Credit Hours: 3 University Studies: ["Foundations/Foreign Language"] Course Repeatability: Course may not be repeated.

FRH 102 - Introductory French II

Course Description:

Continued emphasis on achievement of an active command of the language. Aural-oral practice; intensive study of the basic patterns of spoken French; reading, writing, and basic conversation.

Credit Hours: 3 Prerequisite Courses:

FRH 101

University Studies: ["Foundations/Foreign Language"] Course Repeatability: Course may not be repeated.

FRH 120 - Fundamentals of French

Course Description:

Review of the fundamental structure of the language. Aural-oral practice to attain basic active reading, writing, speaking, and listening skills. For students with at least 2 high school units of French.

Credit Hours: 3 Additional Restrictions/Requirements:

Appropriate departmental placement test score.

University Studies: ["Foundations/Foreign Language"] Course Repeatability: Course may not be repeated.

FRH 201 - Intermediate French I

Course Description:

A review of the grammatical structure of French. Application of the language in composition, conversation, and readings.

Credit Hours: 3 Prerequisite Courses:

FRH 102 or FRH 120

Additional Restrictions/Requirements:

Prerequisite course or placement by exam.

University Studies: ["Foundations/Foreign Language"] Course Repeatability: Course may not be repeated.

FRH 202 - Intermediate French II

Course Description:

A continuing review of the grammatical structure of French at the intermediate level. Application of the language in composition, conversation and readings.

Credit Hours: 3 Prerequisite Courses:

FRH 201

University Studies: ["Foundations/Foreign Language"] Course Repeatability: Course may not be repeated.

FRH 209 - French Literature in Translation: Topics

Course Description:

Representative works from the literature of France and the French-speaking world. Readings and class discussions in English. May be repeated under a different subtitle.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

FRH 294 - French Study Abroad I

Course Description:

Lower division level of special topics relating to the French speaking world taken

abroad from UNCW faculty or as transfer credit. Course may be repeated under different subtitles.
Credit Hours: 1 To 6 University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

FRH 301 - Conversation

Course Description:
Practice in the use of everyday French for enrichment of functional vocabulary and improved fluency. Extensive use of authentic materials; situational communicative exercises.
Credit Hours: 3 Prerequisite Courses:
FRH 202 or placement by exam.
Additional Restrictions/Requirements:
Permission of the instructor.
University Studies: ["Foundations/Foreign Language"] Course Repeatability: Course may not be repeated.

FRH 302 - Grammar and Composition I

Course Description:
Thorough study of French grammatical structures and nuances, with attention to the contrasts between French and English. Intensive practice in writing, editing and revising papers written in genres such as landscape descriptions, literary portraits, narration of events, and critical essays.
Credit Hours: 3 Prerequisite Courses:
FRH 202 or placement by exam.
Additional Restrictions/Requirements:
Permission of the instructor.
University Studies: ["Foundations/Foreign Language"] Course Repeatability: Course may not be repeated.

FRH 303 - Grammar and Composition II

Course Description:
Thorough study of French grammatical structures and nuances, with attention to the contrasts between French and English. Intensive practice in writing, editing, and revising papers written in genres such as analytical essays, reviews of films, books,

music, and other artistic performances, literary analyses, and personal and business correspondence.
Credit Hours: 3 Prerequisite Courses:
FRH 202 or placement by exam.
Additional Restrictions/Requirements:
Permission of instructor.
University Studies: ["Foundations/Foreign Language"] Course Repeatability: Course may not be repeated.

FRH 304 - French for the Professions

Course Description:
Intensive study of specialized vocabulary, real-life situations, and cultural differences that play an important role in commerce with the Francophone world. Extensive use of authentic materials and translation; oral and written reports.
Credit Hours: 3 Prerequisite Courses:
FRH 202 or placement by exam.
Additional Restrictions/Requirements:
Permission of instructor.
University Studies: ["Approaches and Perspectives/Living in a Global Society", "Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

FRH 305 - Topics in French and Francophone Studies

Course Description:
The study of a specific topic, theme, or genre in French and Francophone studies. May be repeated under a different subtitle.
Credit Hours: 3 Prerequisite Courses: FRH 301 or FRH 302 or FRH 303 or placement by exam
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 9 Repeat Limit: 2

FRH 306 - Reading Strategies

Course Description:
Strategies for improving reading skills and the interpretation of a wide range of texts from current advertisements, newspapers, and periodicals to traditional literary genres.
Credit Hours: 3 Prerequisite Courses:
FRH 202 or placement by exam.
Additional Restrictions/Requirements:

Permission of instructor.
Course Repeatability: Course may not be repeated.

FRH 308 - French Linguistics

Course Description:
Introduction to the phonetics, phonology, morphology, and syntax of French; emphasis on the French sound system, pronunciation, and intonation.
Credit Hours: 3 Prerequisite Courses:
FRH 202 or placement by exam.
Additional Restrictions/Requirements:
Permission of instructor.
Course Repeatability: Course may not be repeated.

FRH 311 - French Civilization

Course Description:
Examines the cultural history of France from Lascaux to the present with a special emphasis on France's religious and political transformations. May include readings of political speeches and comic books, as well as viewings of films and audio-visual documents.
Credit Hours: 3 Prerequisite Courses:
FRH 301 or FRH 302 or FRH 303 or placement by exam
Additional Restrictions/Requirements:
Permission of instructor.
University Studies: ["Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

FRH 318 - Contemporary France

Course Description:
Examines France's modern institutions and relationship with the world. May include watching French TV news and discussing pressing and sensitive issues. Designed to develop cultural literacy.
Credit Hours: 3 Prerequisite Courses:
FRH 301 or FRH 302 or FRH 303 or placement by exam.
Additional Restrictions/Requirements:
Permission of instructor.

University Studies: ["Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

FRH 319 - Introduction to the Francophone World

Course Description:

An exploration of the diverse regions of the French-speaking world through the study of current cultural, literary, social, and linguistic issues.

Credit Hours: 3 Prerequisite Courses:

FRH 301 or FRH 302 or FRH 303 or placement by exam.

Additional Restrictions/Requirements:

Permission of instructor.

University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives", "Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

FRH 321 - Survey of French Literature I

Course Description:

Extensive readings covering the main currents of French literature; emphasis in classroom on textual analysis and criticism; oral and written reports.

Credit Hours: 3 Prerequisite Courses:

FRH 301 or FRH 302 or FRH 303 or placement by exam

Additional Restrictions/Requirements:

Permission of instructor.

University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives", "Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

FRH 322 - Survey of French Literature II

Course Description:

Extensive readings covering the main currents of French literature; emphasis in classroom on textual analysis and criticism; oral and written reports.

Credit Hours: 3 Prerequisite Courses:

FRH 301 or FRH 302 or FRH 303 or placement by exam

Additional Restrictions/Requirements:

Permission of instructor.

University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary

Perspectives", "Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

FRH 385 - Introduction to French Cinema

Course Description:

Analysis of selected films from the silent era to the present, including the 'Golden Age' and the Occupation, the New Wave, Francophone cinema, and recent French cinema. Directors studied include the Lumiere brothers, Melies, Renoir, Truffaut, Malle, and current filmmakers.

Credit Hours: 3 Prerequisite Courses:

FRH 301 or FRH 302 or FRH 303 or placement by exam

Additional Restrictions/Requirements:

Permission of the instructor.

Course Repeatability: Course may not be repeated.

FRH 394 - French Study Abroad II

Course Description:

Junior-level designation for non-catalogue courses offered by a department abroad. Course may be repeated under different subtitles.

Credit Hours: 1 To 6 University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

FRH 401 - Advanced Conversation

Course Description:

Advanced practice of oral communication and interaction with a focus on oral competency and functionality in a wide variety of aspects, demands, and situations in French and Francophone contexts.

Credit Hours: 3 Prerequisite Courses:

(FRH 301 and FRH 302) or FRH 303

University Studies: ["Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated.

FRH 402 - Advanced Grammar and Composition

Course Description:

Intensive study and writing practice of more advanced stylistic levels and

grammatical structures of the French language for a variety of purposes and contexts (such as editorials and opinions, descriptions, narrations, hypotheses, etc.).
Credit Hours: 3 Prerequisite Courses:

FRH 302 or FRH 303

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated.

FRH 404 - Advanced French for the Professions

Course Description:

Advanced work in uses of French in various professional settings, including diplomacy, international affairs, global development organizations, medical professions, film and fashion industries, culinary arts, and others. Emphasis on research of professional organization in the Francophone world, individual and/or group presentations, and written reports specific to each profession. Content may vary to address individual needs.

Credit Hours: 3 Prerequisite Courses:

FRH 301 or FRH 302 or FRH 303 or placement by exam

Additional Restrictions/Requirements:

Permission of instructor.

University Studies: ["Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

FRH 411 - Topics in French Studies

Course Description:

Discussion and interpretation of significant topics of French culture through an interdisciplinary approach. Oral and written reports. May be repeated under a different subtitle.

Credit Hours: 3 Prerequisite Courses:

FRH 301 or FRH 302 or FRH 303 or placement by exam

Additional Restrictions/Requirements:

Permission of instructor.

University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 9 Repeat Limit: 2

FRH 412 - The Francophone World

Course Description:

Study of representative literary and non-literary texts, films and sound recordings from French-speaking cultures in North America, the Caribbean, Africa, Asia, and elsewhere. Oral and written reports.

Credit Hours: 3 Prerequisite Courses:

FRH 301 or FRH 302 or FRH 303 or placement by exam

Additional Restrictions/Requirements:

Permission of the instructor.

University Studies: ["Building Competencies/Writing Intensive", "Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated.

FRH 420 - Topics in French Literature

Course Description:

Study of a selected literary theme, movement, period, influence, figure, or genre. Oral and written reports. May be repeated once under a different subtitle.

Credit Hours: 3 Prerequisite Courses:

FRH 301 or FRH 302 or FRH 303 or placement by exam

Additional Restrictions/Requirements:

Permission of the instructor.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Repeat Limit: 1

FRH 421 - French Immigrant Narratives

Course Description:

Study of major immigrant groups in France and the relationship between French immigration and French national and cultural identity. Analysis of depictions of immigrants from all continents in novels, short stories, graphic novels, music, and cinema in their socio-cultural, historical and artistic contexts.

Credit Hours: 3 Prerequisite Courses:

FRH 301 or FRH 302 or FRH 303 or by placement by exam

Additional Restrictions/Requirements:

Permission of the instructor.

University Studies: ["Approaches and Perspectives/Living in a Global Society", "Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

FRH 448 - French Theatre and Performance

Course Description:

Study of the French theatrical heritage from the Middle Ages through the 21st Century. Culminates in a theatrical performance produced by students for the UNCW and Wilmington communities.

Credit Hours: 3 Prerequisite Courses:

FRH 301 or FRH 302 or FRH 303 or placement by exam

Additional Restrictions/Requirements:

Permission of the instructor.

Course Repeatability: Course may not be repeated.

FRH 470 - French Women Writers

Course Description:

Examination of a wide variety of texts written by French and francophone women. Investigates how women have positioned themselves in society through centuries.

Credit Hours: 3 Prerequisite Courses:

FRH 301 or FRH 302 or FRH 303

Additional Restrictions/Requirements:

Placement by exam or permission of the instructor.

Course Repeatability: Course may not be repeated.

FRH 485 - Seminar in French Cinema

Course Description:

Advanced study of a selected topic in French cinema. May be repeated under a different subtitle.

Credit Hours: 3 Prerequisite Courses:

FRH 301 or FRH 302 or FRH 303 or placement by exam

Additional Restrictions/Requirements:

Permission of the instructor.

University Studies: ["Building Competencies/Writing Intensive"] Crosslisting:

FST 480 , WLC 480 , SPN 485

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12 Repeat Limit: 3

FRH 491 - Directed Individual Study

Course Description:

Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.

Credit Hours: 1 To 3 Additional Restrictions/Requirements:

Junior or senior standing, overall GPA of at least 2.00, and consent of instructor, department chair and dean.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

FRH 494 - French Study Abroad III

Course Description:

Upper division level of specialized topics relating to the French-speaking world taken abroad from UNCW faculty or as transfer credit. Course may be repeated under different subtitles.

Credit Hours: 1 To 6 University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

FRH 495 - Seminar in French Literature

Course Description:

Intensive study of a selected topic in literature. Individualized research, which may include informal and formal presentations, reports, a substantial research project. May be repeated under a different subtitle.

Credit Hours: 1 To 3 Prerequisite Courses: FRH 321 or FRH 322 Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

FRH 498 - Internship in French

Course Description:

A program of work and study conducted within an agency and/or setting that provides practical experience with observation and application of foreign language

skills. A maximum of six credit hours may be applied to the degree in French.
Credit Hours: 3 To 6 Additional Restrictions/Requirements:

Junior or senior standing and consent of instructor.
University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

FRH 499 - Honors Work in French

Course Description:

Independent study for honors students.
Credit Hours: 2 To 3 Additional Restrictions/Requirements:

Senior standing and eligibility for honors program.
University Studies: ["Building Competencies/Writing Intensive", "Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

GER 101 - Introductory German I

Course Description:

Not open to native or heritage speakers. Emphasis on achievement of an active command of the language. Aural-oral practice, intensive study of the basic patterns of spoken German; reading, writing and basic conversation. For students with one unit or less of high school German.
Credit Hours: 3 University Studies: ["Foundations/Foreign Language"] Course Repeatability: Course may not be repeated.

GER 102 - Introductory German II

Course Description:

Not open to native or heritage speakers. Emphasis on achievement of an active command of the language. Aural-oral practice, intensive study of the basic patterns of spoken German; reading, writing and basic conversation.
Credit Hours: 3 Prerequisite Courses:

GER 101
University Studies: ["Foundations/Foreign Language"] Course Repeatability: Course may not be repeated.

GER 201 - Intermediate German I

Course Description:

Not open to native or heritage speakers. Emphasis on achievement of an active command of the language. Aural-oral practice, intensive study of complex patterns of spoken German, reading, writing, and basic conversation.

Credit Hours: 3 Prerequisite Courses:

GER 102

University Studies: ["Foundations/Foreign Language"] Course Repeatability: Course may not be repeated.

GER 202 - Intermediate German II

Course Description:

Not open to native speakers. A review of the grammatical structure of the language. Application of the language in composition, conversation, and readings. Intensive work on increasing vocabulary, idiomatic usage, and overall accuracy.

Credit Hours: 3 Prerequisite Courses:

GER 201

University Studies: ["Approaches and Perspectives/Living in a Global Society", "Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

GER 209 - German Literature in Translation: Topics

Course Description:

Study of representative works of literature from the German-speaking world. Readings and class discussions in English. May be repeated under different subtitles. A maximum of 3 hours can be applied toward the major.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

GER 294 - German Study Abroad I

Course Description:

Lower division level of special topics relating to the German-speaking world taken abroad from UNCW faculty or as a transfer credit. Course may be repeated under different subtitles.

Credit Hours: 1 To 6 University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

GER 301 - Advanced German

Course Description:

Not open to native speakers. Continued review of the grammatical structure of the language. Application of the language in composition, convention, and reading. Intensive work on increasing vocabulary, idiomatic usage, and overall accuracy. Development of advanced language proficiency. Culmination of the lower-level language sequence.

Credit Hours: 3 Prerequisite Courses:

GER 202

University Studies: ["Approaches and Perspectives/Living in a Global Society", "Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

GER 302 - Advanced German II

Course Description:

Continued review of the grammatical structure of the language. Application of the language in composition, conversation, and reading. Intensive work on increasing vocabulary, idiomatic usage, and overall accuracy. Development of advanced language proficiency.

Credit Hours: 3 Prerequisite Courses:

GER 301

Additional Restrictions/Requirements:

Instructor permission required.

Course Repeatability: Course may not be repeated.

GER 306 - Advanced Grammar

Course Description:

Grammatical forms and usage.

Credit Hours: 3 Prerequisite Courses:

GER 301

Course Repeatability: Course may not be repeated.

GER 307 - Text and Context

Course Description:

Not open to native speakers. Introduction to humanistic inquiry and critical thinking through close examination of German literary texts in their broader cultural context. Extensive reading, writing, and discussion. Can be repeated under different subtitles.

Credit Hours: 3 Prerequisite Courses:

GER 301

University Studies: ["Building Competencies/Writing Intensive", "Building Competencies/Information Literacy"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

GER 311 - German Civilization

Course Description:

Geographical, historical, political and cultural aspects of Germany from the beginnings to the twentieth century.

Credit Hours: 3 Prerequisite Courses:

GER 301

Course Repeatability: Course may not be repeated.

GER 321 - Introduction to German Literature

Course Description:

Selected readings covering the main currents of German, Austrian, and Swiss literature. Emphasis on textual analysis and criticism in classroom discussions; oral and written reports.

Credit Hours: 3 Prerequisite Courses:

GER 301

University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives"] Course Repeatability: Course may not be repeated.

GER 322 - History of the German Language

Course Description:

Introduction to the history of the German language, from its Indo-European roots through the present. Study of the historical, social, and cultural context that shaped the German language and its dialects, major linguistic changes that separate German from other Germanic and Indo-European languages and that characterize

Modern Standard German as opposed to various German dialects. Taught in German.

Credit Hours: 3 Prerequisite Courses:

GER 307

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated.

GER 331 - Fairy Tales: From Grimms to Disney

Course Description:

German fairy tales of the Romantic era, including both literary fairy tales and folk fairy tales. Comparisons to other fairy tale traditions and adaptations. Attention to the literary, feminist, and historical elements of the fairy tale genre. Taught in English.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

GER 332 - Germans and the New World

Course Description:

Examination of German fantasies of and experiences in the Americas from the 1700s through today. Includes diaries, travel narratives, drama, fiction, poetry, film, political tracts, advertising, and propaganda. Taught in English.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

GER 333 - The Romance of King Arthur in Literature and Film

Course Description:

Exploration of the legend of King Arthur from its medieval roots to modern literature and film. Contribution of the German-speaking tradition to the pan-European myth. Arthurian romance as the vehicle of ideas and ideals about utopia, charismatic leadership, love, and betrayal. Traces the ways a myth is created, employed, and transmitted over centuries by means of textual and historical analysis. Taught in English.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

GER 394 - German Study Abroad II

Course Description:

Junior-level designation for non-catalogue courses offered by a department abroad. Course may be repeated under different subtitles.

Credit Hours: 1 To 6 University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

GER 491 - Directed Individual Study

Course Description:

Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.

Credit Hours: 1 To 3 Additional Restrictions/Requirements:

Junior or senior standing, overall GPA of at least 2.00, and consent of instructor, department chair and dean.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

GER 494 - German Study Abroad III

Course Description:

Upper division level of specialized topics relating to the German-speaking world taken abroad from UNCW faculty or as transfer credit. Course may be repeated under different subtitles.

Credit Hours: 1 To 6 University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

GER 495 - Seminar in German Studies

Course Description:

Intensive study of a selected topic in German Studies. May be repeated under a different subtitle. Possible topics include "Fairy Tales / Marchen", "Legacies of the Enlightenment", and "The German Novella".

Credit Hours: 3 Prerequisite Courses:

GER 307

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

GER 496 - Topics in German Studies

Course Description:

Intensive study of a selected topic in German Studies. Taught by faculty at other UNC-system schools though the NC German Studies Consortium (live video conferencing). May be repeated under a different subtitle. Possible topics include "Goethe's Faust" and "Current Issues in the German Media".

Credit Hours: 3 Prerequisite Courses:

GER 307

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

GER 498 - Internship in German

Course Description:

A program of work and study conducted within an agency and/or setting that provides practical experience with observation and application of foreign language skills.

Credit Hours: 3 Additional Restrictions/Requirements:

Junior or senior standing and consent of instructor.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

GER 499 - Honors Work in German Studies

Course Description:

Independent study for honors students.

Credit Hours: 2 To 3 Additional Restrictions/Requirements:

Junior or senior standing, eligibility for honors program and at least 6 hours of German studies courses at the 300-400 level.

University Studies: ["Competencies/Writing Intensive", "Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

ITN 101 - Introductory Italian I

Course Description:

Emphasis on achievement of an active command of the language. Aural-oral practice; intensive study of the basic patterns of spoken Italian; reading, writing, and basic conversation. For students with one unit or less of high school Italian.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

ITN 102 - Introductory Italian II

Course Description:

Emphasis on achievement of an active command of the language. Aural-oral practice; intensive study of the basic patterns of spoken Italian; reading, writing, and basic conversation.

Credit Hours: 3 Prerequisite Courses:

ITN 101 with a grade of C- or better.

Course Repeatability: Course may not be repeated.

ITN 202 - Intermediate Italian II

Course Description:

A review of the grammatical structure of the language. Application of the language in composition, conversation and readings.

Credit Hours: 3 Prerequisite Courses:

ITN 201 with a grade of C- or better.

Course Repeatability: Course may not be repeated.

JPN 101 - Introductory Japanese I

Course Description:

Emphasis on achievement of an active command of the language. Aural-oral practice; intensive study of the basic pattern of spoken Japanese; reading, writing, and basic conversation. For students with one unit or less of high school Japanese.

Credit Hours: 3 University Studies: ["Foundations/Foreign Language"] Course Repeatability: Course may not be repeated.

JPN 102 - Introductory Japanese II

Course Description:

Acquire basics of Japanese conversation, pronunciation, reading, and written composition with approximately 60 new kanji. Skills include self-introductions, make simple requests to do and not to do things, describe situations and people, and report what others think and say.

Credit Hours: 3 Prerequisite Courses:

JPN 101 with a C or better or sufficient score on placement exam or approved credit

hour equivalents.
University Studies: ["Foundations/Foreign Language"] Course Repeatability: Course may not be repeated.

JPN 201 - Intermediate Japanese I

Course Description:
Able to sustain short conversations as well as create and understand short written compositions on familiar topics such as personal interests, preferences, future plans, and past experiences with about 140 kanji, while continuing to explore elements of Japanese material and nonmaterial culture.
Credit Hours: 3 Prerequisite Courses:
JPN 102 with a C or better or sufficient score on placement exam or approved credit hour equivalents.
Additional Restrictions/Requirements:
Sufficient score on placement exam or approved credit hour equivalents.
University Studies: ["Foundations/Foreign Language"] Course Repeatability: Course may not be repeated.

JPN 202 - Intermediate Japanese II

Course Description:
Study of spoken and written Japanese, including expressing abilities and desires, making and responding to requests, offering suggestions, making apologies, conveying second-hand information, and expressing doubt, all the while broadening knowledge of Japanese culture. Introduces new constructions, including volitional, conditional, and benefactive verbs, as well as about 70 new kanji.
Credit Hours: 3 Prerequisite Courses:
JPN 201 with a C or better or sufficient score on placement exam or approved credit hour equivalents.
University Studies: ["Foundations/Foreign Language"] Course Repeatability: Course may not be repeated.

JPN 294 - Japanese Study Abroad I

Course Description:
Please enter a description.
Credit Hours: 1 To 9 University Studies: ["Explorations Beyond the Classroom"] Course

Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

JPN 301 - Japanese Grammar and Composition I

Course Description:

Study of Japanese to include grammatically complex sentences, basic honorific and humble forms to respond to requests, to convey and understand emotion and impact, and to narrate hypothetical situations in speech and writing with approximately 300 kanji. Oral and written projects focus on intercultural exchange and Japanese material and non-material culture.

Prerequisite Courses:

JPN 202 with a C or better or sufficient score on placement exam or approved credit hour equivalents.

Course Repeatability: Course may not be repeated.

JPN 302 - Japanese Writing and Cultural Studies

Course Description:

Continuing review of the grammatical structure of Japanese at the intermediate high level. Emphasis on development of application in composition, conversation, and readings through an oral and written presentation project and extensive use of authentic materials and translation.

Credit Hours: 3 Prerequisite Courses:

JPN 202

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated.

JPN 307 - Japanese Phonetics, Phonology, & Pronunciation

Course Description:

Introduction to the sound system of Japanese language varieties from the perspective of applied linguists and language learners. Description and comparison of Japanese vowels, consonants, mora timing, pitch-accent, intonation, and other features. Pronunciation training with a focus on intelligibility, and introduction to sociolinguistic factors in speech patterns.

Credit Hours: 3 Prerequisite Courses:

JPN 102 with C or higher or equivalent on Japanese placement test

Additional Restrictions/Requirements:
Instructor approval for only those students taking the course online through the UNC Exchange, since this requires separate steps to ensure proficiency
University Studies: ["Approaches and Perspectives/Understanding Human Institutions and Behaviors"] Course Repeatability: Course may not be repeated.

JPN 311 - Perspectives on Contemporary Japanese Culture

Course Description:
Social, economic, and political issues in contemporary Japanese culture explored through a variety of sources with particular emphasis on comparing and contrasting Japanese and international perspectives on trends and issues of global significance including national identity, the family unit, rights and responsibilities of individuals, and sustainability. Course taught in English.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in a Global Society"] Course Repeatability: Course may not be repeated.

JPN 394 - Departmental Study Abroad II

Course Description:
Junior-level designation for non-catalogue courses offered by a department abroad. Course may be repeated under different subtitles.
Credit Hours: 1 To 6 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

JPN 491 - Directed Individual Study

Course Description:
Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.
Credit Hours: 1 To 3 Additional Restrictions/Requirements:
Junior or senior standing, overall GPA of at least 2.00, and consent of instuctor, department chair, and dean.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

LAT 101 - Introductory Latin I

Course Description:

Emphasis on achievement of an active knowledge of the Latin language and reading ability in classical Latin. Intensive study of Latin grammar, aural/oral practice; reading from Latin authors, especially Ovid; discussions to introduce the students to the literature, culture and society of ancient Rome.
Credit Hours: 3 University Studies: ["Foundations/Foreign Language"] Course Repeatability: Course may not be repeated.

LAT 102 - Introductory Latin II

Course Description:
The second course in a two-course sequence. Please see LAT 101 for description.
Credit Hours: 3 University Studies: ["Foundations/Foreign Language"] Course Repeatability: Course may not be repeated.

LAT 201 - Intermediate Latin I

Course Description:
A review of the grammatical structure of the language. Emphasis on developing reading skills through readings from various Latin authors.
Credit Hours: 3 Prerequisite Courses:
LAT 102
University Studies: ["Foundations/Foreign Language"] Course Repeatability: Course may not be repeated.

LAT 202 - Intermediate Latin II

Course Description:
The second course in a two-course sequence. Please see LAT 201 for description.
Credit Hours: 3 University Studies: ["Foundations/Foreign Language"] Course Repeatability: Course may not be repeated.

LAT 491 - Directed Individual Study

Course Description:
Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.
Credit Hours: 1 To 3 Additional Restrictions/Requirements:
Junior or senior standing, overall GPA of at least 2.00, and consent of instructor,

department chair and dean.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

PRT 101 - Introductory Portuguese I

Course Description:
Emphasis on the achievement of an active command of the language. Aural-oral practice; intensive study of the basic patterns of spoken Portuguese; reading, writing, and basic conversation. For students with one unit or less of high school Portuguese.
Credit Hours: 3 University Studies: ["Foundations/Foreign Language"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

PRT 102 - Introductory Portuguese II

Course Description:
Emphasis on the achievement of an active command of the language. Aural-oral practice; intensive study of the basic patterns of spoken Portuguese; reading, writing, and basic conversation.
Credit Hours: 3 Prerequisite Courses: PRT 101 University Studies: ["Foundations/Foreign Language"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

PRT 201 - Intermediate Portuguese I

Course Description:
A review of the grammatical structure of the language, application of the language in composition, conversation and readings.
Credit Hours: 3 Prerequisite Courses: PRT 102 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

PRT 202 - Intermediate Portuguese II

Course Description:
The second course in a two-course sequence. Please see PRT 201 for description.
Credit Hours: 3 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

PRT 211 - Contemporary Issues in the Portuguese World: Translated Topics

Course Description:

Brazilian, Portuguese, Luso-African and/or Asian popular and folk cultures, media and contemporary issues, visual and performing arts. Study of newspapers, magazines, blogs, films, TV, music clips, gallery exhibitions, art criticism, and more. Readings, class requirements and discussions in English.

Credit Hours: 3 Prerequisite Courses:

Consent of instructor.

University Studies: ["Approaches and Perspectives/Living in a Global Society"] Course Repeatability: Course may be repeated.

PRT 212 - World Portuguese Literatures in Translation: Topics

Course Description:

Representative works from the Brazilian, Portuguese, Luso-African and/or Asian literatures. Readings, class requirements, and discussions in English.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives"] Course Repeatability: Course may be repeated.

PRT 291 - Introductory Research

Course Description:

Study and investigation of Portuguese/Brazilian Studies under faculty supervision.

Credit Hours: 1 To 3 Additional Restrictions/Requirements:

For Portuguese/Brazilian Studies minors only. Overall GPA of at least 2.00, sophomore standing, and consent of instructor and department chair.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 3

PRT 294 - Study Abroad I

Course Description:

Lower-division level of special topics related to issues in the Portuguese-speaking world to be taken abroad from UNCW faculty or as transfer credit. Course may be repeated under different content/titles.

Credit Hours: 1 To 6 University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

PRT 301 - Portuguese Reading and Writing

Course Description:

Reading practice and techniques through exposures to texts from various sources and according to prompts of diverse Portuguese writing genres. Improvement of text understanding, analysis, production, and further development of vocabulary, writing, and oral communication skills.

Credit Hours: 3 Prerequisite Courses:

PRT 202 or placement by exam.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

PRT 302 - Portuguese Conversation

Course Description:

Practice of conversation of everyday Portuguese to improve understanding, vocabulary, fluency, and communication. Introduces students to topics on the Portuguese World's societies and cultures.

Credit Hours: 3 Prerequisite Courses:

PRT 202 or equivalent.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

PRT 394 - Portuguese/Brazilian Studies Study Abroad II

Course Description:

Junior-level designation for non-UNCW courses offered by a department abroad.

Credit Hours: 1 To 6 University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated.

PRT 491 - Directed Individual Portuguese/Brazilian Studies

Course Description:

Study and investigation of Portuguese/Brazilian Studies under faculty supervision.

Credit Hours: 1 To 6 Additional Restrictions/Requirements:

For minors only. Overall GPA of at least 2.00, junior or senior standing, and consent of instructor, department chair and dean.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

RUS 101 - Introductory Russian I

Course Description:

Emphasis on achievement of an active command of the language. Aural-oral practice; intensive study of the basic patterns of spoken Russian; reading, writing, and basic conversation. For students with one unit or less of high school Russian.

Credit Hours: 3 University Studies: ["Foundations/Foreign Language"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

RUS 102 - Introductory Russian II

Course Description:

Emphasis on achievement of an active command of the language. Aural-oral practice; intensive study of the basic patterns of spoken Russian; reading, writing, and basic conversation.

Credit Hours: 3 Prerequisite Courses: RUS 101 University Studies: ["Foundations/Foreign Language"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

RUS 201 - Intermediate Russian I

Course Description:

A review of the grammatical structure of the language. Application of the language in composition, conversation, and readings.

Credit Hours: 3 To 4 Prerequisite Courses: RUS 102 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 4

RUS 202 - Intermediate Russian II

Course Description:

A review of the grammatical structure of the language. Application of the language in composition, conversation, and readings.

Credit Hours: 3 To 4 Prerequisite Courses: RUS 201 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 4

RUS 209 - Russian Literature in Translation: Topics

Course Description:

Study of representative works from the literature of the Russian-speaking world.

Readings and class discussions in English. May be repeated under different subtitles.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

RUS 294 - Study Abroad

Course Description:
Special topics related to issues in the Russian-speaking world to be taken abroad from UNCW faculty or as transfer credit. Course may be repeated under different content/titles.
Credit Hours: 1 To 6 University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

RUS 395 - Topics in Russian Studies

Course Description:
Intensive study of a selected topic in Russian Studies. Courses are taught through the UNC Russian Studies Consortium as a teleconference/DE course. May be repeated under different subtitles.
Credit Hours: 3 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

RUS 491 - Directed Individual Study

Course Description:
Involves the investigation under faculty supervision beyond what is offered in existing Russian courses. For further information, consult Directed Individual Studies section in this catalogue.
Credit Hours: 1 To 3 Additional Restrictions/Requirements:
Junior or senior standing, overall GPA of at least 2.00, and consent of instructor, department chair, and dean.
University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 9

SPN 101 - Introductory Spanish I

Course Description:
Emphasis on achievement of an active command of the language. Aural-oral

practice; intensive study of the basic patterns of spoken Spanish; reading, writing and basic conversation. For students with one unit or less of high school Spanish.
Credit Hours: 3 University Studies: ["Foundations/Foreign Language"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SPN 102 - Introductory Spanish II

Course Description:
Emphasis on achievement of an active command of the language. Aural-oral practice; intensive study of the basic patterns of spoken Spanish; reading, writing and basic conversation.
Credit Hours: 3 Prerequisite Courses: SPN 101 with a minimum grade of C- University Studies: ["Foundations/Foreign Language"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SPN 120 - Fundamentals of Spanish

Course Description:
Review of the fundamental structure of the language. Aural-oral practice to attain basic active reading, writing, speaking, and listening skills. No credit given after the completion of SPN 101 , or SPN 102 . For students with at least 2 units of high school Spanish.
Credit Hours: 3 Additional Restrictions/Requirements:
Appropriate departmental placement test score.
University Studies: ["Foundations/Foreign Language"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SPN 201 - Intermediate Spanish I

Course Description:
Emphasis on achievement of an active command of the language. Aural-oral practice; intensive study of the basic patterns of spoken Spanish; reading, writing and conversation.
Credit Hours: 3 Prerequisite Courses:
SPN 102 or SPN 120 with a minimum grade of C-
Additional Restrictions/Requirements:
Prerequisite courses or appropriate placement test score.
University Studies: ["Foundations/Foreign Language"] Course Repeatability: Course may not be

repeated. Maximum Repeatable Hours: 3

SPN 202 - Intermediate Spanish II

Course Description:

Review of the grammatical structure of the language. Application of the language in composition, conversation and readings.

Credit Hours: 3 Prerequisite Courses:

SPN 201 with a minimum grade of C

Additional Restrictions/Requirements:

Prerequisite course or appropriate placement test score. This course cannot be taken if a student is receiving credit for SPN 215.

University Studies: ["Foundations/Foreign Language"] Course Repeatability: Course may not be repeated.

SPN 206 - Spanish in the Media

Course Description:

Emphasis on development of auditory comprehension skills through intense exposure to authentic video and audio materials. Not open to native or heritage speakers of Spanish.

Credit Hours: 3 Prerequisite Courses:

Prerequisite or corequisite: SPN 201 with a minimum grade of C.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SPN 215 - Intermediate Spanish for Bilingual Speakers

Course Description:

An introduction to the grammatical structure of the language designed for students whose home language is Spanish (in lieu of SPN 202). Application of the language in composition, conversation, and reading (fiction and non-fiction) with the goals of applying effective reading techniques and strategies, increasing vocabulary, and improving general and oral communication skills. Analysis of linguistic variation as it pertains to Spanish in its U.S. context and abroad.

Credit Hours: 3 Additional Restrictions/Requirements:

Placement testing. This course cannot be taken if a student is receiving credit for SPN 202.

University Studies: ["Foundations/Foreign Language", "Approaches and Perspectives/Living in Our

Diverse Nation"] Course Repeatability: Course may not be repeated.

SPN 294 - Spanish Study Abroad I

Course Description:
Lower division level of special topics relating to the Spanish-speaking world taken abroad from UNCW faculty or as transfer credit. Course may be repeated under different subtitles.
Credit Hours: 1 To 6 University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

SPN 302 - Reading Strategies for Spanish

Course Description:
Emphasis on reading comprehension and skill development. Application of the Spanish language in composition, conversation, readings, and analysis. Conducted entirely in Spanish, and students are expected to use the language at all times.
Credit Hours: 3 Prerequisite Courses:
SPN 202 with a 'C' or better or SPN 215 with a 'C' or better
Additional Restrictions/Requirements:
Prerequisite course or appropriate placement test score.
Course Repeatability: Course may not be repeated.

SPN 303 - Spanish Conversation

Course Description:
Examination of Spanish-language media to include diligent note-taking of the episodes. Practice in the use of everyday Spanish for enrichment of functional vocabulary and improved fluency. Extensive use of authentic materials; situational communicative exercises.
Credit Hours: 3 Prerequisite Courses:
SPN 202 with a 'C' or better or SPN 215 with a 'C' or better or appropriate placement test score.
Course Repeatability: Course may not be repeated.

SPN 305 - Spanish Composition

Course Description:

Thorough study of Spanish grammatical structures and nuances. Intensive practice in writing, editing and revising papers written in genres such as landscape descriptions, literary portraits, narration of events, and critical essays.
Credit Hours: 3 Prerequisite Courses:
SPN 202 with a 'C' or better or SPN 215 with a 'C' or better or appropriate placement test score.
University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

SPN 306 - Advanced Grammar

Course Description:
Advanced study of grammatical and syntactical structures in Spanish while improving accuracy and fluency in written and verbal expression across various registers. Class is conducted in Spanish.
Credit Hours: 3 Prerequisite Courses:
SPN 202 with a 'C' or better or SPN 215 with a 'C' or better or appropriate placement test score.
Course Repeatability: Course may not be repeated.

SPN 307 - Spanish Phonetics

Course Description:
Introduction to the sound system of Spanish through theoretical and practical analysis. Students explore the articulation and structure of Spanish sounds, comparing them to English sounds and differences across dialects of Spanish. Students also review accent rules and the correspondence between sounds and letters in Spanish.
Credit Hours: 3 Prerequisite Courses:
SPN 202 with a 'C' or better or SPN 215 with a 'C' or better or appropriate placement test score.
Course Repeatability: Course may not be repeated.

SPN 308 - Hispanic Linguistics

Course Description:
Introduction to Hispanic phonology, morphology, syntax, dialectology, bilingualism, and sociolinguistics.

Credit Hours: 3 Prerequisite Courses:

SPN 202 or SPN 215 with a minimum grade of C, or by placement

University Studies: ["Critical Reasoning"] Course Repeatability: Course may not be repeated.

SPN 310 - Business Spanish

Course Description:

Designed for students who need familiarization with the terminology necessary for the fields of economics, business, accounting, natural sciences and others. Business correspondence in Spanish and the currency systems of the Spanish-speaking countries are included.

Credit Hours: 3 Prerequisite Courses: SPN 305 with a minimum grade of C Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SPN 311 - Spanish Civilization

Course Description:

Geographical, historical and cultural aspects of Spain.

Credit Hours: 3 Prerequisite Courses: SPN 305 with a minimum grade of C Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SPN 312 - Spanish-American Civilization

Course Description:

Geographical, historical, and cultural aspects of Spanish America.

Credit Hours: 3 Prerequisite Courses: SPN 305 with a minimum grade of C University Studies: ["Approaches and Perspectives/Living in a Global Society"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SPN 315 - Intermediate Spanish for Bilingual Speakers II

Course Description:

An introduction to the grammatical structure of the language designed for students whose home language is Spanish (in lieu of SPN 302). Application of the language in composition, conversation, and reading. Analysis of linguistic variation as it pertains to Spanish in its U.S. context and abroad.

Credit Hours: 3 Prerequisite Courses:

SPN 215 with a 'C' or better, or appropriate test placement score.

University Studies: ["Foundations/Foreign Language", "Approaches and Perspectives/Living in Our

Diverse Nation"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SPN 321 - Introduction to Spanish Literature

Course Description:

Selected readings covering the main currents of Spanish literature; emphasis on textual analysis and criticism in classroom discussions; oral and written reports.

Credit Hours: 3 Prerequisite Courses: SPN 305 with a minimum grade of C University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SPN 322 - Introduction to Spanish-American Literature

Course Description:

Selected readings covering the main currents of Spanish-American Literature; emphasis on textual analysis and criticism in classroom discussions; oral and written reports.

Credit Hours: 3 Prerequisite Courses: SPN 305 with a minimum grade of C University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SPN 323 - Introduction to US Latino Literature and Culture

Course Description:

Selected readings from the literature of Latino communities in the United States; emphasis on textual analysis and criticism in classroom discussions; oral and written reports.

Credit Hours: 3 Prerequisite Courses: SPN 305 with a minimum grade of C University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives", "Approaches and Perspectives/Living in Our Diverse Nation"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SPN 385 - Introduction to Spanish Cinema

Course Description:

Analysis of representative films by Spanish directors including Luis Buel, Carlos Saura, Pedro Almodar and Bigas Luna, as well as a discussion of recent cinematic works by filmmakers of the younger generation. Films represent a diversity of styles,

periods and genres. Course conducted in English.
Credit Hours: 3 Crosslisting:
FST 388
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SPN 394 - Spanish Study Abroad II

Course Description:
Junior-level designation for non-catalogue courses offered by a department abroad. Course may be repeated under different subtitles.
Credit Hours: 1 To 6 University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

SPN 411 - Topics in Spanish Civilization

Course Description:
Advanced study in geographical, historical, and cultural aspects of Spain. Topics focus on specific time periods, geographic areas, or cultural phenomena. May be repeated under a different subtitle.
Credit Hours: 3 Prerequisite Courses:
SPN 311 with a grade of 'C' or better.
University Studies: ["Building Competencies/Writing Intensive", "Building Competencies/Information Literacy"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Repeat Limit: 1

SPN 412 - Topics in Spanish-American Civilization

Course Description:
Advanced study in geographical, historical, and cultural aspects of Spanish America. Topics focus on specific time periods, geographic areas, or cultural phenomena. May be repeated under a different subtitle.
Credit Hours: 3 Prerequisite Courses:
SPN 312 with a grade of C or better
University Studies: ["Approaches and Perspectives/Living in a Global Society","Building Competencies/Information Literacy","Critical Reasoning"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Repeat Limit: 1

SPN 421 - Topics in Spanish Literature

Course Description:

Study of representative Spanish authors, literary movements, and genres.

Credit Hours: 3 Prerequisite Courses:

SPN 321 with a grade of 'C' or better.

University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives", "Building Competencies/Writing Intensive", "Building Competencies/Information Literacy"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Repeat Limit: 1

SPN 422 - Topics in Spanish-American Literature

Course Description:

Study of representative Spanish-American authors, literary movements, and genres.

Credit Hours: 3 Prerequisite Courses:

SPN 322 with a grade of 'C' or better.

University Studies: ["Critical Reasoning", "Building Competencies/Writing Intensive", "Building Competencies/Information Literacy"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Repeat Limit: 1

SPN 485 - Seminar in Spanish Cinema

Course Description:

Advanced study of a selected topic in Spanish cinema. May be repeated under a different subtitle.

Credit Hours: 3 Additional Restrictions/Requirements:

A 300-level course in Spanish.

Crosslisting:

WLC 480 , FRH 485 , FST 480

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

SPN 490 - Service Learning and Research

Course Description:

Study of the Spanish-speaking population in a specific region. Each student completes 30 volunteer hours with a local agency that works with the Spanish-speaking community. A research project related to the Spanish-speaking population of a specific region or community is also required.

Credit Hours: 3 Prerequisite Courses:

SPN 305 with a 'C' or better.

Additional Restrictions/Requirements:

Junior or senior standing.

University Studies: ["Approaches and Perspectives/Living in Our Diverse Nation", "Building Competencies/Information Literacy", "Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated.

SPN 491 - Directed Individual Study

Course Description:

Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.

Credit Hours: 1 To 3 Additional Restrictions/Requirements:

Junior or senior standing, overall GPA of at least 2.00, and consent of instructor, department chair and dean.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

SPN 494 - Spanish Study Abroad III

Course Description:

Upper division level of specialized topics relating to the Spanish-speaking world taken abroad from UNCW faculty or as transfer credit. Course may be repeated under different subtitles.

Credit Hours: 1 To 6 University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

SPN 495 - Seminar in Hispanic Studies

Course Description:

Cooperative study of a selected topic under the direction of departmental faculty. Research, informal presentations, reports, discussion. May be repeated under a different subtitle.

Credit Hours: 1 To 3 Prerequisite Courses:

SPN 321 with a minimum grade of C or SPN 322 .

University Studies: ["Critical Reasoning", "Building Competencies/Writing Intensive", "Building Competencies/Information Literacy"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

SPN 496 - Seminar in Hispanic Linguistics

Course Description:

Advanced study of Hispanic Linguistics.

Credit Hours: 3 Prerequisite Courses:

SPN 305 , SPN 306 , and SPN 307 , each with a grade of 'C' or better.

University Studies: ["Critical Reasoning", "Building Competencies/Writing Intensive", "Building Competencies/Information Literacy"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Repeat Limit: 1

SPN 498 - Internship in Spanish

Course Description:

Program of work and study conducted within an agency and/or setting that provides practical experience with observation and application of foreign language skills.

Credit Hours: 3 Additional Restrictions/Requirements:

Junior or senior standing, completion of at least 12 hours of course work in SPN at the 300 or 400 level, and consent of instructor.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:

Additional Course Fee Schedule

SPN 499 - Honors Work in Spanish

Course Description:

Independent study for honors students.

Credit Hours: 2 To 3 Additional Restrictions/Requirements:

Senior standing and eligibility for honors program.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

WLC 105 - English as a Second Language

Course Description:

Development of English language proficiency of non-native speakers attending the university. Extensive exposure to reading, writing, speaking and listening activities.

Credit Hours: 3 Additional Restrictions/Requirements:

Consent of instructor (based on language proficiency test score).
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

WLC 205 - Perspectives in World Cinema

Course Description:
Survey of selected international cinemas with emphasis on major narratives, trends, and movements examined in the context of the language, history, politics, and culture of their respective countries. Possible topics to be explored through film include national identity, (post) colonialism, ethnicity, gender, sexuality, class, globalization and transnational exchanges.
Credit Hours: 3 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

WLC 206 - Perspectives in European Cinema

Course Description:
Survey of selected European cinemas with emphasis on major narrative films and the cultural and historical context from which they derive. Explores the ways in which cinema constructs concepts of national identity and examines whether the cinema of a nation carries distinguishing traces of the nation's unique history, culture, and ethnic makeup.
Credit Hours: 3 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

WLC 230 - Women in Film

Course Description:
Survey and analysis of films by women filmmakers throughout the world. Diverse film styles, periods, and genres will be represented. Screening and discussion of cinematic works in their original language with English subtitles when needed.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives"] Crosslisting:
FST 230 , WGS 230
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

WLC 341 - Explorations of Global Cultures I: Global Narratives

Course Description:

Critical analysis and interpretation of texts understood broadly across diverse global contexts. Delves into the complexities of artistic expression, interpretation, and their cultural significance. Focus on close reading, visual analysis, and interpretation while examining the role of art, literature, and creative expression in shaping individual and collective identities. Taught in English.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Repeat Limit: 1

WLC 342 - Explorations of Global Cultures II: Language and Human Interaction

Course Description:

Examination of the complexities of language and related behavior such as learning and social interactions of individuals, groups and/or cultures in global cultural contexts. Students systematically collect and analyze data to understand and resolve issues in global and intercultural communication. Taught in English.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Understanding Human Institutions and Behaviors"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 9 Repeat Limit: 2

WLC 354 - The Middle East Through Music, Film, and Literature

Course Description:

Explore the cultures of the Middle East through music, cinema, and literature.

Credit Hours: 3 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

WLC 480 - Special Topics in World Cinema

Course Description:

Advanced study of a selected topic in world cinema. May be repeated under a different subtitle.

Credit Hours: 3 Prerequisite Courses:

FST 200 and FST 205

Additional Restrictions/Requirements:

Prerequisite courses or consent of instructor.

Crosslisting:
FRH 485 , SPN 485
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

CHSSA Interdisciplinary Programs

IDS 400 - Capstone in Interdisiciplinary Studies

Course Description:
Engages in interdisciplinary research, analysis, and writing. Students propose solutions to practical and topic-specific problems and develop a final paper through faculty and peer feedback. Students complete an e-portfolio that demonstrates and reflects on their academic and personal path through the IDS program.
Credit Hours: 3 Prerequisite Courses:
IDS 300
Additional Restrictions/Requirements:
Prerequisite course and open only to students in the UNCW Interdisciplinary Program.
University Studies: ["Building Competencies/Writing Intensive", "Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated. Major Restriction: Interdisciplinary Studies majors only

Interdisciplinary Studies, B.A.

Interdisciplinary Studies, B.A.

The College of Humanities, Social Sciences, and the Arts offers an interdisciplinary B.A. degree in Interdisciplinary Studies. This degree program is designed to provide a distinctive learning experience for re-enrolling students, advanced transfer students, and currently enrolled UNCW students with at least junior standing who change majors. Students electing this program must have previously completed at least 60 credits (transfer credits may count towards this total) and be in good academic standing.
Students may declare as Pre-IDS if they have 60 credit hours (including transfer

hours). They may declare IDS once they have 80 credit hours, or have successfully completed IDS 200 with a grade of “C” or better.
The goal of the program is for students to acquire a core liberal arts education combined with focused knowledge and skills. The integrative program curriculum will draw on prior course work while allowing students to complete their education by focusing on a particular option such as Enterprise and Economy; Global Challenges and Problems; Justice, Social Insitutions and Human Behavior; Artificial Intelligence and Technology in the Arts and Sciences; Interdisciplinary Arts and Humanities; or Human Wellbeing.

IDS 200 - Interdisciplinary Studies and Modern Problems

Course Description: Introduction to interdisciplinary studies and its six tracks. In order to understand each track, students study selected topics in six separate modules. Topics include but are not limited to: income inequality, access to healthcare, climate change, the ethics of incarceration, artificial intelligence and genomics, and artificial intelligence and the written word.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

IDS 300 - Introduction to Interdisciplinary Studies

Course Description:
Open only to students in the UNCW Seahawk Success Program. This course serves as a gateway for the UNCW Interdisciplinary Degree. Through writing and engagement with a core set of texts, students learn about different approaches to interdisciplinary studies and interdisciplinary research, as well as its applications for personal assessment and career development. Through research, a presentation, and a final project, students will reflect on their academic experiences and articulate a personal pathway through the Interdisciplinary Studies program. By the end of the course they will have established an interdisciplinary studies eportfolio that they will complete in IDS 400 .
Credit Hours: 3 University Studies: ["Building Competencies/Information Literacy", "Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

Africana/American Studies

Africana Studies Minor

The UNCW Africana Studies minor is an interdisciplinary field of study designed to foster and encourage critical and systematic inquiry into the historical, cultural, social, and political factors and forces that shape African, African American, Caribbean, and other peoples of African descent around the world. By centering knowledge of Africana Studies, the curriculum seeks to provide students with a nexus to today's world; bringing knowledge and awareness to the diversity of its African peoples and to cultivate a sense of global community.

AFN 130 - Introduction to Africana Studies

Course Description:

Interdisciplinary exploration of the collective experiences of the African Diaspora, which includes Africans and people of African descent in various continents and countries in addition to the United States.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives", "Approaches and Perspectives/Living in Our Diverse Nation"] Course Repeatability: Course may not be repeated.

AFN 222 - Introduction to Gullah-Geechee Culture

Course Description:

Exploration of several theoretical, historical and contemporary issues and themes of Gullah-Geechee Culture, history, language and politics, as a specific African American ethnic enclave within America.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Historical and Philosophical Approaches"] Course Repeatability: Course may not be repeated.

AFN 235 - Battle for Justice: From the Boat to the Vote

Course Description:

Examination of the right to vote through a focus on the Constitution, legislation, and case law. Including, exploration of methods of voting restriction and dilution such as literacy tests, poll taxes, redistricting, violence, and intimidation. Centering the impacts on race and democracy in the United States.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Understanding Human

Institutions and Behaviors"] Course Repeatability: Course may not be repeated.

AFN 322 - Wilmington 1898

Course Description:
Examination of Wilmington's 1898 massacre and coup d'état through the lens of Africana Studies. Includes studying the impact and strategies for repairing the harms that continue today and how this event shapes Black and African American communities in the region, in the state, and across the country. Student research required.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

AFN 353 - Black Feminisms: Survey of Black Feminist Thought

Course Description:
Exploration of the rich tradition of Black feminisms, womanisms, and queer theories, and the communities and institutions they speak of, for, and to. Includes the investigation of identities and identification, sexualities, motherhood and family, womanisms, representation and citizenship, community building, and anger and activism.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in a Diverse Nation", "Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

AFN 395 - Africana Studies and Community Engagement

Course Description:
Engagement in a service-learning project in Wilmington, NC region, and abroad related to communities of African descent. Emphasis on the African American communities' (and people of African descent) strengths, values, beliefs, attitudes, and ideals by the examination and application of community engagement and development concepts.
Credit Hours: 3 University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Repeat Limit: 1

AFN 495 - Senior Seminar: Topics in Africana Studies

Course Description:

Intensive study of a selected theme in Africana Studies designed to foster and encourage critical and systematic inquiry into the historical, cultural, social, and or political factors that influence African, African American, Caribbean, and other peoples of African descent around the world.
Credit Hours: 3 University Studies: ["Building Competencies/Information Literacy"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 9 Repeat Limit: 2

Asian Studies Minor

Asian Studies Minor

The College of Humanities, Social Sciences, and the Arts offers an interdisciplinary minor in Asian studies. The minor provides students with a multifaceted understanding of Asian societies, histories, languages, political systems, and geographies. For additional information, students should contact the coordinator in the Department of World Languages and Cultures.

Campaign Managment Minor

Campaign Management Minor

Classical Studies Minor

Classical Studies Minor

The College of Humanities, Social Sciences, and the Arts offers an interdisciplinary minor in Classical Studies. The minor provides students with a multifaceted understanding of the civilizations of ancient Greece and Rome, as well as of the Western foundations of modern intellectual traditions. Students complement core requirements with studies in the fine arts, literature, political science, history and civilization, philosophy and religion, and ancient languages. Students should contact

the coordinator in the Department of World Languages and Cultures for additional information.

European Studies Minor

European Studies Minor

The College of Humanities, Social Sciences, and the Arts offers an interdisciplinary minor in European studies which focuses on Europe since 1650. The minor provides students with a broad foundation for understanding modern Europe through the study of geography, history, language, and literature. Students complement core requirements with studies in the fine arts, literature, history and civilization, and political science. Students should contact the program coordinator, Dr. Mark Spaulding, for additional information.

Forensic Science Minor

Forensic Science Minor

The College of Humanities, Social Sciences, and the Arts offers an interdisciplinary minor in forensic science. The minor affords students the opportunity to gain foundation-level exposure to the various sciences from which forensic applications are derived. Students will acquire broad-based knowledge and skills in a combination of areas such as biology, chemistry, anthropology, criminology and sociology. The minor is designed to prepare students for future graduate education and/or on the job training in specialized fields within forensic science; examples include but are not limited to search and recovery of human remains, human identification, crime scene investigation, evidence collection and/or laboratory analyses.

Journalism Minor

Journalism Minor

The College of Humanities, Social Sciences, and the Arts offers an interdisciplinary minor in journalism to provide students with a variety of courses that prepare them for careers in print and broadcast journalism. Students acquire a basic knowledge of the journalism industry in courses offered by the Department of Communication Studies and develop writing and editing skills through courses offered by the Department of English.

Latin American Studies Minor

Latin American Studies Minor

The College of Humanities, Social Sciences, and the Arts offers an interdisciplinary minor in Latin American studies. The minor provides students with a multifaceted understanding of the Latin American society by learning languages, history, anthropology, geography, politics and current events. The minor is designed for students who are considering careers which involve business relations with Latin America, working in Latin America, working with Latin Americans who are living in the United States, or teaching about Latin America. Students should contact the coordinator in the Department of Anthropology for additional information.

Medical Humanities Minor

Medical Humanities Minor

Middle East and Islamic Studies Minor

Middle East and Islamic Studies Minor

The Middle East and Islamic Studies Minor offers courses in the civilizations, histories, languages, religions, geographies, politics, and literatures of the Middle East. Students take an interdisciplinary approach to the cultures of this region, which has had an important impact on the development of our civilization and plays a vital role in today's world community. The minor's course offerings treat the Middle East from ancient times to the modern period and emphasize methods of historical and interdisciplinary analysis. MEIS minors are expected to reach an intermediate level of proficiency in Arabic, which is the most widely spoken language in the region and the liturgical language of Islam. The minor requires a total of 21 credit hours. All students must complete six credit hours consisting of ARB 101 and ARB 102, then select six additional credit hours from the list of additional core courses, with each course in a different discipline. The remainder of the credit hours should be selected from the designated electives. Students must have a least a "C+" (2.33) average in courses counted toward the minor, and at least two courses counted toward the minor must be at or above the 300-level.

Native American Studies Minor

Native American Studies Minor

The College of Humanities, Social Sciences, and the Arts offers an interdisciplinary minor in Native American studies (NAS). This minor provides students with a multicultural understanding of the histories, cultures, religions, arts, and literatures of American Indians. Students should contact the coordinator in the Department of English for additional information.

Women's and Gender Studies Minor

Women's and Gender Studies Minor

The College of Humanities, Social Sciences, and the Arts offers an interdisciplinary minor in Women's and Gender Studies. The minor provides diverse intellectual frameworks for investigating issues related to women, gender, and sexuality, including the history and function of gender roles, the construction of gendered identity in diverse cultural contexts, the experience of masculinity and femininity across the lifespan, patterns and consequences of discrimination, and the development of organized women's social movements. Students augment core requirements with coursework in anthropology, classics, criminology, English, health, history, philosophy and religion, political science, psychology, social work, and sociology. Students should contact the director of Women's Studies and Resource Center for additional information.

Digital Arts Minor

Digital Arts Minor

–College of Humanities, Social Sciences, and the Arts

College of Science and Engineering

Ronald Vetter, *founding dean*
Kate Brody Nooner, *associate dean, faculty, policy, research, and innovation*
Laurie Patterson, *associate dean, academic affairs and curriculum*
Karen Barnhill, *assistant dean. administration and resource management*
https://uncw.edu/academics/colleges/cse/
The College of Science and Engineering offers a variety of programs leading to Bachelor of Arts, Bachelor of Science, and Master of Science degrees, as well as Doctor of Philosophy degrees in applied coastal and ocean sciences; pharmaceutical chemistry; integrative, comparative, and marine biology; and psychology degrees. The College also offers combined bachelor's/master's degree programs in information technology/computer science and information systems,

computer science/computer science and information systems, B.S. in mathematics/M.S. in mathematics, B.S. in coastal engineering/M.S. coastal and ocean policy, and Psychology and Applied Gerontology, Bachelor's/Master's Combined Program. To implement its academic programs, the college provides instruction and research opportunities in the natural and behavioral sciences, information technology, computer science, software engineering, mathematics, pre-engineering, and engineering. The eight academic departments in the college provide courses of study in each of these areas, in addition to interdepartmental programs in information technology, data science, cybersecurity, and digital arts. The Two-Plus-Two Engineering Program, Three-Plus-Two Computer Science and Electrical or Computer Engineering Program, and Three-Plus-Two Physics and Electrical Engineering Program are joint programs that allow students to complete their first one or two years of an engineering curriculum at UNCW and then, if they qualify for admission to NC State University, students would complete their education at NC State's College of Engineering. Post-baccalaureate certificate programs in environmental studies, applied statistics, and geographic information science are also available.

CSE students work with distinguished faculty and scientists, use cutting edge technology, and conduct impactful research. Faculty-directed research projects empower CSE students to apply what they learn inside the classroom and laboratory to real-world situations and to prepare them for a variety of careers or advanced study.

The College of Science and Engineering (CSE) Academic Resource Center (ARC)

https://www.uncw.edu/cse-arc
The College provides advising assistance to all students interested in its many programs.
The College of Science and Engineering (CSE) Academic Resource Center (ARC) is the central advising unit for students pursuing majors within the Departments of Biology and Marine Biology, Chemistry and Biochemistry, Computer Science, Earth and Ocean Sciences, Environmental Sciences, Math and Statistics, Physics and

Physical Oceanography, and Psychology. Professional and faculty academic advisors support students as they navigate their collegiate experience by offering guidance on course selection, highlighting academic and co-curricular offerings, providing academic and career coaching, and sharing referral information. Our aim is to develop an atmosphere that embraces student experiences, promotes sense of belonging, and creates space for innovation by valuing student empowerment, personal advocacy, and educational opportunities. CSE ARC advisors use the Starfish platform to schedule appointments, address concerns for students, and maintain student records. In addition, the CSE ARC advisors collaborate with UNCW offices and maintain strong relationships with CSE departments and faculty to help support student persistence and success. The following are what students in CSE can expect from their academic advisor:

Advisor Responsibilities

- Be accessible virtually, in-person, by telephone or email for advising sessions and follow-up within a reasonable time, recognizing that busy advising periods may cause delays.
- Understand the requirements of the major, University Studies, and graduation.
- Provide academic and co-curricular resources to students that promote accountability and encourage self-efficacy, self-discovery, and self-authorship.
- Review DegreeWorks audit with students, upon request, to discuss graduation requirements, academic standing, progress to degree, etc.
- Stay informed of current and changing academic policies, regulations, and program requirements.
- Encourage student participation in applied learning experiences (internships, undergraduate research, study abroad, and service-learning).
- Provide information and strategies for using university resources and services.

Students pursuing majors in the College of Science and Engineering are assigned

an academic advisor when they declare their major or transfer into UNCW with the specified minimum requirements. Students can find their academic advisor information in their Starfish network and on their DegreeWorks audit. Students should read all communications from staff in the CSE Academic Resource Center and are expected to adhere to the following guidelines:

Student Responsibilities

- Accept responsibility for your decisions and actions.
- Be an active learner by reviewing all shared resources and arriving prepared to advising appointments with questions.
- Comply with academic deadlines, regulations, and policies as stated on the UNCW website and the UNCW Undergraduate Catalogue.
- Explore applied learning experiences such as internships, undergraduate research, study abroad, and service-learning.
- Complement your academic path by pursuing student resources and services.
- Utilize advising tools to track your academic progress and goals.
- Regularly check your UNCW email account for official communication.

Through this shared understanding, academic advising in the CSE Academic Resource Center is an essential component to a successful educational experience.

Interdisciplinary Cross-College Programs

In addition to the programs and departments listed below, the College of Science and Engineering offers joint programs with the College of Humanities, Social Sciences, and the Arts (Digital Arts B.A.), Watson College of Education (Applied Behavior Analysis and Developmental/Intellectual Disabilities Minor), and with Cameron School of Business, (Cybersecurity, B.S. and Information Technology,

B.S.).

Bachelor of Arts

Digital Arts, B.A.

Bachelor of Science

Cybersecurity, B.S.
Information Technology, B.S.

Non-Degree

Certificate in Artificial Intelligence Literacy
Cybersecurity Minor
Digital Arts Minor
Information Technology Minor
Applied Behavior Analysis and Developmental/Intellectual Disabilities Minor

Interdisciplinary Cross-CSE Programs

In addition to the programs and departments listed below, the College of Science and Engineering offers joint programs celebrating the interdisciplinary nature of education.

Non-Degree

Data Science Minor (Departments of Computer Science and Mathematics and Statistics)
Neuroscience Minor (Department of Psychology and Department of Biology and Marine Biology)

Certificate in Artificial Intelligence Literacy

The Certificate in Artificial Intelligence (AI) Literacy is designed to equip participants with essential knowledge and major-related skills to thrive in the rapidly evolving field of AI. This program provides a comprehensive foundation in both theoretical concepts and practical applications of AI technologies. Participants will gain hands-on experience through projects and case studies, ensuring they are well-prepared to contribute effectively to AI-driven innovation in various industries.

Department of Biology and Marine Biology

http://www.uncw.edu/bio

A student may declare a major in biology or marine biology after completing BIO 201 and BIO 202 , or equivalent courses, with a grade of "C" (2.00) or better in both courses, and the completion of a minimum of 24 semester hours of credit.

Transfer students wishing to declare a major in biology or marine biology must meet admission requirements, which are:

1. completion of 24 semester credit hours from an accredited four-year college or university and a 2.00 grade point average in two biology courses with labs, preferably BIO 201 and BIO 202 , or equivalents; or,
2. completion of an associate degree from an accredited two-year college and a 2.00 grade point average in two biology courses with labs.

Students who apply to the Department of Biology and Marine Biology and do not meet the admission requirements will be considered pre-majors. All students who desire a degree in biology or marine biology must meet the admissions requirements and declare a major to be eligible to graduate.

Biology Minor

The College of Science and Engineering offers a minor in biology that provides students with a broad foundation for understanding biological concepts from both basic and applied perspectives. The biology minor allows students from any major to pursue a focused exploration of biology across a range of analytical levels, from the molecule and cell to the organism and ecosystem. Students should contact the undergraduate coordinator in the Department of Biology and Marine Biology for additional information.

Biology, B.A.

The Biology B.A. is a flexible program that can be designed by a student and an advisor to meet personal educational goals and interests that may or may not include graduate study. The program may be used to meet a set of specific requirements; for example, certification for teaching at the secondary school level. Students in this major are qualified for a wide array of positions working in the

biological sciences. Students should contact the undergraduate coordinator in the Department of Biology and Marine Biology for additional information.

Biology, B.S.

The Bachelor of Science degree in Biology is designed to meet the needs of biology majors who may wish to pursue further education in graduate school in biology or professional schools in the health sciences. The sequence of courses conforms to entrance requirements prescribed in publications of most health professional programs.
A major in the Biology B.S. program can be declared after completing 24 credit hours and BIO 201 , BIOL 201,BIO 202 and BIOL 202 or equivalent courses, with a grade of 'C' (2.00) or better in both courses. Students should contact the Program Coordinator for additional information.
Program Coordinator: Dr. Jessie Jarvis

Marine Biology, B.S.

https://uncw.edu/bio/ J. Jarvis (coordinator)

The Marine Biology program is a unique baccalaureate degree in the university system. It includes a strong foundation of biology with an emphasis in marine biology at all levels. Full use is made of the natural laboratory provided by the adjacent Atlantic Ocean through extensive field work in many marine biology and biology courses. The curriculum is flexible enough to meet the individual needs of the student enabling preparation for graduate studies or for teaching, research and consulting careers available to one with the baccalaureate degree.

Marine Biology Minor

The College of Science and Engineering offers a minor in Marine Biology that provides students with a broad foundation for understanding the ecology and adaptations of organisms to life in the sea. The minor is targeted to students interested in courses that highlight environments and issues that are unique to a coastal university. Students complement core requirements with studies that focus

on groups of organisms (e.g., marine mammals), ecosystems (e.g., coral reef environments), or relevant topics (e.g., climate change, ocean acidification). Students should contact the undergraduate coordinator in the Department of Biology and Marine Biology for additional information.

Biology, B.A. with Teacher Licensure

This is a flexible program that can be designed by a student and an advisor to meet personal educational goals and interests that may or may not include graduate study. The program may be used to meet a set of specific requirements; for example, certification for teaching at the secondary school level. Students in this major are qualified for a wide array of positions working in the biological sciences.

BIO 105 - Concepts of Modern Biology

Course Description:

Introduction to the diversity of life and the principles governing living systems, focusing on the role of humans in the natural world. Designed for the non-biology major. Employs multi-media instructional materials. The lab for this course is BIOL 105.

Credit Hours: 3 Prerequisite or Corequisite Courses:

BIOL 105

University Studies: ["Building Competencies/Information Literacy", "Approaches and Perspectives/Scientific Approaches to the Natural World"] Course Repeatability: Course may not be repeated.

BIO 140 - Human Physiology

Course Description:

Introduction to the function of the human body emphasizing basic physiological principles and their relation to current health trends and fads.

Lab:

The lab for this course is BIOL 140 .

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Scientific Approaches to the Natural World"] Course Repeatability: Course may not be repeated.

BIO 150 - Humans and Ecology

Course Description:
Introduction to the principles of ecology including concepts of succession, biotic communities, biodiversity, limits on population growth and conservation of natural resources.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Scientific Approaches to the Natural World"] Course Repeatability: Course may not be repeated.

BIO 160 - Genetics in Human Affairs

Course Description:
Discussion of basic principles of genetics (for non-majors or majors) with the ultimate goal of developing an understanding of the relationship of genetics to the society of today and its possible influence on the future of humans. Survey of current knowledge of the inheritance of human traits is included.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in a Global Society", "Approaches and Perspectives/Scientific Approaches to the Natural World"] Course Repeatability: Course may not be repeated.

BIO 180 - Plants and the Environment

Course Description:
Introduction to the plant kingdom through study of plant diversity, structure, and function as they relate to environmental issues such as global carbon balance, deforestation, agricultural runoff, and the effects of the introduction of genetically engineered plants. Impact of plants on human culture, history, civilization, and economics will be discussed.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

BIO 190 - Microbes and Human Society

Course Description:
Introduction to the world of the microorganism, focusing on the diversity, structure and function of microbial life, the spread and control of disease-producing organisms, and the impact of these life forms on human culture, history, and civilization.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Scientific Approaches to the Natural World"] Course Repeatability: Course may not be repeated.

BIO 201 - Principles of Biology: Cells

Course Description:

Introduction to principles governing living systems, especially the cellular and molecular basis of life and the transmission and utilization of genetic information. The lab for this course is BIOL 201.

Credit Hours: 3 Prerequisite or Corequisite Courses:

BIOL 201

University Studies: ["Approaches and Perspectives/Scientific Approaches to the Natural World"]

Course Repeatability: Course may not be repeated.

BIO 202 - Principles of Biology: Biodiversity

Course Description:

Evolution, classification, and diversity of life, stressing morphology, physiology, principles of adaptation, and relationships between biotic and abiotic components of ecosystems. The lab for this course is BIOL 202.

Credit Hours: 3 Prerequisite or Corequisite Courses:

BIOL 202

University Studies: ["Building Competencies/Information Literacy", "Approaches and Perspectives/Scientific Approaches to the Natural World"] Course Repeatability: Course may not be repeated.

BIO 205 - Biology of the Sea

Course Description:

Introduction to the organisms that live in marine environments and the role of humans in the use of marine resources. Explores the biological, physical, chemical, and geological characteristics of various marine habitats.

University Studies: ["Approaches and Perspectives/Scientific Approaches to the Natural World"]

Course Repeatability: Course may not be repeated.

BIO 206 - Marine Megafauna

Course Description:

Exploration of the biology of large marine animals, including giant squid, sharks, sea turtles, seabirds, and marine mammals. Considers the role that marine megafauna play in ocean ecosystems and the impacts of human activities on these organisms.

Includes exploration of the social, economic, and policy considerations that are critical in the protection of threatened species.
Course Repeatability: Course may not be repeated.

BIO 207 - Biology of Coastal Habitats

Course Description:
Introduction to coastal habitats and the biology of the organisms residing in areas such as marshes, estuaries, hardbottom habitats, temperate seagrasses, kelp beds, and tidal flats. Considers ecological and economic importance of coastal habitats and investigates major stressors and mechanisms of resilience.
Course Repeatability: Course may not be repeated.

BIO 208 - Marine Life in Danger

Course Description:
Introduction to the biology of the Earth's ocean ecosystems and exploration of how human activities are threatening their health and function. Investigation of the causes, effects, and potential solutions to the current issues facing the world's largest habitat.
Course Repeatability: Course may not be repeated.

BIO 240 - Human Anatomy and Physiology I

Course Description:
Lecture must be taken concurrent with BIOL 240 . An introduction to the human organism with particular emphasis on maintenance of an internal steady state. Tissues, musculoskeletal, nervous, and endocrine systems are stressed.
Lab:
The lab for this course is BIOL 240 .
Credit Hours: 3 Corequisite Courses:
BIOL 240 .
Prerequisite Courses:
BIO 201 and CHM 101 and CHML 101 .
University Studies: ["Approaches and Perspectives/Scientific Approaches to the Natural World"]
Course Repeatability: Course may not be repeated.

BIO 241 - Human Anatomy and Physiology II

Course Description:

A comprehensive study of human organ systems as relates to the maintenance of homeostasis. Topics include cardiovascular, respiratory, digestive, urinary, and reproductive systems.
Lab:
The lab for this course is BIOL 241 .
Credit Hours: 3 Corequisite Courses:
BIOL 241
Prerequisite Courses:
BIO 240
Course Repeatability: Course may not be repeated.

BIO 246 - Microbiology of Human Diseases

Course Description:
An introduction to and survey of the biology of pathogenic microorganisms responsible for human infectious diseases including: bacteria, viruses, fungi, single-celled protozoans, and parasitic worms, with an emphasis on transmission, diagnosis, prevention, and clinical management.
Lab:
The lab for this course is BIOL 246 .
Credit Hours: 3 Prerequisite Courses:
BIO 201 and CHM 101 and CHML 101 .
Course Repeatability: Course may not be repeated.

BIO 291 - Introductory Research

Course Description:
Laboratory and computational research under faculty supervision beyond what is offered in existing courses.
Credit Hours: 1 To 3 Additional Restrictions/Requirements:
Freshman or sophomore standing and consent of instructor and department chair.
University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

BIO 308 - Biology of Cancer

Course Description:
A comprehensive and multifaceted approach to studying cancer. Focus on research

methods in three areas of investigation: basic cancer biology, cancer epidemiology, and clinical cancer research.
Credit Hours: 3 Prerequisite Courses:
BIO 201 and BIO 202.
Course Repeatability: Course may not be repeated.

BIO 311 - Terrestrial Botany

Course Description:
Morphological and anatomical survey of the embryophytes (land plants) with an emphasis on life histories, evolutionary origins, and phylogenetic relationships. May include local field trips.
Credit Hours: 4 Prerequisite Courses:
BIO 201 and BIO 202
Course Repeatability: Course may not be repeated.

BIO 313 - Marine Phycology

Course Description:
Introduction to the morphology, life histories, and ecology of benthic marine algae with emphasis on special topics such as morphogenesis, ecotypic variation and speciation, phytogeography, or seasonal periodicity of growth and reproduction. The lab for this course is BIOL 313.
Credit Hours: 3 Corequisite Courses:
BIOL 313
Prerequisite Courses:
BIO 362 or BIO 366
Course Repeatability: Course may not be repeated.

BIO 315 - Comparative Vertebrate Anatomy

Course Description:
Comparative morphology and phylogenetic interrelationships of vertebrate animals; representative organisms dissected in laboratory.
Credit Hours: 0 Or 4 Prerequisite Courses:
BIO 201 and BIO 202
University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

BIO 316 - Human Embryology

Course Description:

Fundamental principles of human embryonic development. The comparative morphology and phylogenetic interrelationships between developmental processes are emphasized. Common birth defects are discussed with the organ systems.

Credit Hours: 3 Prerequisite Courses:

BIO 201 and BIO 202

Course Repeatability: Course may not be repeated.

BIO 317 - Vertebrate Histology

Course Description:

An introduction to the cytology and morphology of vertebrate cells and tissues, including examination of the four major histological tissues: epithelium, connective tissue, muscle, and nerve. Other topics include the techniques and instrumentation of light microscopy and selected methods of sectioning, fixation, and staining of tissues. Student project required.

Credit Hours: 0 Or 4 Prerequisite Courses:

BIO 201 and BIO 202.

Course Repeatability: Course may not be repeated.

BIO 318 - Invertebrate Zoology

Course Description:

Survey of invertebrate animals with emphasis on the structure, function, phylogeny, ecology, and life histories of marine taxa. The lab for this course is BIOL 318.

Credit Hours: 3 Corequisite Courses:

BIOL 318

Prerequisite Courses:

BIO 201 and BIO 202.

Course Repeatability: Course may not be repeated.

BIO 320 - Immunology

Course Description:

Introduction to the molecular, cellular, and anatomical components of the human

immune system and their roles in the normal immune response. Explores the mechanisms and consequences of immunodeficiencies, hypersensitivities. autoimmunity, vaccines, immunotherapies, and transplants.
Credit Hours: 3 Prerequisite Courses:
BIO 201 , BIO 202 .
Course Repeatability: Course may not be repeated.

BIO 322 - Biological Invasions

Course Description:
The scientific study of the invasion process, persistence, and spread of introduced species; ecological and economic impacts and management of introduced species; and how global change influences the impact of introduced species on human resources.
Credit Hours: 3 Prerequisite Courses:
BIO 201 and BIO 202.
Course Repeatability: Course may not be repeated.

BIO 325 - Molecular Biology of the Cell

Course Description:
Chemical and physical properties of cells, with emphasis on molecular biology and experimental biological systems used to elucidate cellular function.
Lab:
The lab for this course is BIOL 325 .
Credit Hours: 3 Prerequisite Courses:
BIO 201 and BIO 202 and CHM 211
Course Repeatability: Course may not be repeated.

BIO 330 - Microbiology

Course Description:
Study of pathogenic and nonpathogenic microorganisms with emphasis on the biology of bacteria and viruses. The lab for this course is BIOL 330 .
Credit Hours: 3 Prerequisite Courses:
BIO 201 and BIO 202 .
Course Repeatability: Course may not be repeated.

BIO 335 - Genetics

Course Description:

Principles of Mendelian inheritance, gene action and molecular genetics, and population genetics.

Lab:

The lab for this course is BIOL 335 .

Credit Hours: 3 Prerequisite Courses:

BIO 201 and BIO 202

Course Repeatability: Course may not be repeated.

BIO 340 - Plant Physiology

Course Description:

Study of plant function at the molecular, cellular, and organismic levels, with emphasis placed on unique aspects of vascular plants. Topics include water relations, solute transport, photosynthesis, nitrogen metabolism, plant hormones, photo control of development, and stress physiology.

Credit Hours: 0 Or 4 Prerequisite Courses:

BIO 201 and BIO 202 , and CHM 102 and CHML 102 .

University Studies: ["Building Competencies/Writing Intensive", "Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

BIO 345 - Animal Physiology

Course Description:

Comparative study of physiological processes in different organisms approached through study of tissues, organs, and systems.

Lab:

The lab for this course is BIOL 345 .

Credit Hours: 3 Prerequisite Courses:

BIO 201 and BIO 202 , and CHM 102 and CHML 102 .

Course Repeatability: Course may not be repeated.

BIO 346 - Animal Nutrition

Course Description:

Exploration of the anatomy and physiology of the digestive system of domestic

ruminant and non-ruminant animals, the classification of nutrients, and the application of animal nutrition and feeding.
Credit Hours: 3 Prerequisite Courses:
BIO 201 , BIO 202 , CHM 101 , CHM 102 .
Course Repeatability: Course may not be repeated.

BIO 354 - Herpetology

Course Description:
Study of reptiles and amphibians with emphasis on their evolution, physiology, ecology, behavior, and conservation. Laboratory focuses on species identification and field techniques for studying herpetofauna. Several field trips to local areas.
Credit Hours: 0 Or 4 Prerequisite Courses:
BIO 201 and BIO 202.
University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 4

BIO 356 - Vertebrate Natural History

Course Description:
An introduction to the vertebrates with emphasis on systematics, adaptations, life history, behavior, and ecology. Laboratory emphasis on the identification and natural history of regional fauna. Limited field study is required.
Credit Hours: 0 Or 4 Prerequisite Courses: BIO 201 and BIO 202 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 4

BIO 358 - Marine Mammals

Course Description:
Study of pinnipeds, cetaceans, and sirenians, emphasizing their evolution and taxonomic relationships, anatomical and physiological adaptations, ecologic and economic importance, and natural history.
Credit Hours: 3 Prerequisite Courses: BIO 201 and BIO 202 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

BIO 360 - Biology of Infectious Diseases

Course Description:
Course provides a conceptual overview of parasites and their modes of

transmission, host-parasite co-evolution, population dynamics of disease, emerging diseases of humans, animals, and plants, disease control, and the effects of parasites on individuals, populations, communities, and ecosystems.
Credit Hours: 3 Prerequisite Courses:
BIO 201 , BIO 202 .
Course Repeatability: Course may not be repeated.

BIO 362 - Marine Ecology

Course Description:
Introduction to basic ecological principles in the marine environment as they pertain to individual organisms, populations, communities, and ecosystems. The lab for this course is BIOL 362.
Credit Hours: 3 Prerequisite Courses:
BIO 201 and BIO 202.
University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

BIO 363 - Coral Reef Ecology

Course Description:
Ecology and physiology of coral reef organisms, emphasizing processes that contribute to the function and complexity of coral reef ecosystems. Reef information and geology, coral biology and physiology, ecological interactions, human effects, global effects, and conversation will be considered. The lab for this course is BIOL 363.
Credit Hours: 3 Prerequisite Courses:
BIO 201 and BIO 202 .
Course Repeatability: Course may not be repeated.

BIO 366 - Ecology

Course Description:
An introduction to basic ecological principles as they pertain to individual organisms, populations, communities and systems.
Lab:
The lab for this course is BIOL 366 .
Credit Hours: 3 Prerequisite Courses:

BIO 201 and BIO 202
Course Repeatability: Course may not be repeated.

BIO 367 - Antarctic Ecology, Geology, History, and Policy

Course Description:
An in-depth examination of the frozen continent including its geologic origins, ice sheet formation, and fossil record. Its unique ecology, endemic wildlife, discovery and human history, anthropogenic impacts, and current international agreements to protect resources will also be examined. Open to juniors and seniors from all major departments. Also offered as BIO 585 with additional requirements.
Credit Hours: 3 Prerequisite Courses:
BIO 201 and BIO 202
Course Repeatability: Course may not be repeated.

BIO 368 - Behavioral Ecology

Course Description:
Evolutionary approach focusing on both proximate and ultimate causes of behavior. Feeding and antipredatory behavior, habitat selection, territoriality, reproductive behavior, mating systems, parental care, animal communication, and the evolution of social behavior. Emphasis on birds, mammals, and fish.
Credit Hours: 3 Prerequisite Courses:
BIO 201 and BIO 202 and BIO 366
Course Repeatability: Course may not be repeated.

BIO 369 - Behavioral Neurobiology

Course Description:
Introduction to the natural behavior of animals and how that relates to the structure and function of neurons and neural tissues. Neural systems and their relationship to the biophysical environment, how they underlie animal perception and behavior, and how they result from evolutionary processes, such as coevolution are explored.
Credit Hours: 3 Prerequisite Courses:
BIO 201 , BIO 202 .
Course Repeatability: Course may not be repeated.

BIO 370 - Evolutionary Medicine

Course Description:

The scientific study of evolutionary principles as they apply to human health and disease. Topics include antibiotic resistance, pathogen virulence, aging, cancer, autoimmune disease, obesity, and mental illness.

Credit Hours: 3 Prerequisite Courses:

BIO 201 and BIO 202 .

Course Repeatability: Course may not be repeated.

BIO 371 - Phytoplankton

Course Description:

Introduction to the physiology and ecology of phytoplankton. Exploration of the diversity and function of microalgae, their role in aquatic ecosystems, and their potential application in biotechnology solutions.

Credit Hours: 3 Prerequisite Courses:

BIO 201 and BIO 202.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 4

BIO 378 - Global Environmental Problems

Course Description:

Review and discussion of causes and effects of major environmental problems, with emphasis on ecosystem-level effects and interactions. Topics include extinction, deforestation, climate change, and pollution impacts.

Credit Hours: 3 Prerequisite Courses:

BIO 201 and BIO 202 and CHM 101 and CHML 101 .

Course Repeatability: Course may not be repeated.

BIO 387 - Biological Impacts of Coastal Management

Course Description:

Overview of the impacts of coastal management efforts on species of concern and broader ecosystem dynamics. Exploration of how coastal activities and coastal management related to fisheries, aquaculture, shoreline processes, and water quality may directly and indirectly impact coastal ecosystem composition and

resiliency, populations of endangered species, and broader connections with the ocean foods webs.

Credit Hours: 3 Prerequisite Courses:

BIO 201 , BIO 202 .

Additional Restrictions/Requirements:

Junior or senior standing or consent of instructors

Course Repeatability: Course may not be repeated.

BIO 410 - Biotechnology

Course Description:

A survey of techniques used in biotechnology and application of these techniques for practical biomedical and environmental use. Topics include cloning, genetic engineering, PCR, RNAi, antibody technologies, vaccines, microarrays, bioremediation, biofuels, drug discovery and synthesis, gene therapy, transgenics, cloning, stem cells, forensics, and biowarfare.

Credit Hours: 3 Prerequisite Courses:

BIO 335 or BIO 325 .

Course Repeatability: Course may not be repeated.

BIO 411 - The Human Microbiome

Course Description:

Foundational knowledge on the structure and function of microbes living in and on the human body, with a particular focus on human health and homeostasis.

Credit Hours: 3 Prerequisite Courses:

BIO 201 and BIO 202.

Course Repeatability: Course may not be repeated.

BIO 412 - Marine Botany

Course Description:

Introduction to coastal marine plant communities, including how the marine environment affects plant community dynamics. Topic areas include: classification and identification, morphology, physiological ecology, importance to humans, and current hot topics. The lab for this course is BIOL 412.

Credit Hours: 3 Corequisite Courses:

BIOL 412

Prerequisite Courses:

BIO 362.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

BIO 428 - Parasitology

Course Description:

An introduction to the single-cell and multi-cellular eukaryotic parasites infecting humans. Special emphasis will be given to parasite structure, genetics, physiology, life cycle, ecology, and host response.

Credit Hours: 3 Prerequisite Courses: BIO 201 and BIO 202 and BIO 335 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

BIO 430 - Evolutionary Biology

Course Description:

Study of biological change over time through pathways of descent and through adaptation, including how biological diversity, from molecular through organismal levels, originates and is maintained. Focus on modern evolutionary analysis and applications in medicine, agriculture, and conservation.

Credit Hours: 3 Prerequisite Courses:

BIO 335

Crosslisting:

ANT 430

Course Repeatability: Course may not be repeated.

BIO 434 - Coastal Marine Ecology

Course Description:

An in-depth study of the major processes controlling populations and structuring coastal marine communities. Emphasis is on the review and discussion of important historical and recent scientific papers.

Credit Hours: 3 Prerequisite Courses:

BIO 366 or BIO 362

Course Repeatability: Course may not be repeated.

BIO 435 - Virology

Course Description:

An introduction to the fundamental principles of virology. Key concepts include virus structure, replication strategies, classification and taxonomy, diagnostics, pathogenesis, epidemiology, immunity, gene therapy, and vaccines and antivirals.
Credit Hours: 3 Prerequisite Courses:
BIO 201 and BIO 202.
Course Repeatability: Course may not be repeated.

BIO 438 - Epidemiology

Course Description:
Introduction to the basic concepts of epidemiology and biostatistics as applied to public health problems. Emphasis is placed on summaries and displays of data, statistical approaches to describe the health of populations, analytic study designs for investigating associations between risk factors and disease outcomes and criteria for causal inference.
Credit Hours: 3 Prerequisite Courses:
BIO 201 and BIO 202 and STT 215
Course Repeatability: Course may not be repeated.

BIO 439 - Stem Cell and Regenerative Biology

Course Description:
Principles of cellular and molecular mechanisms of regeneration in a diversity of animals. Topics include the contribution of stem cells to the developmental and regenerative processes of various organisms and how these themes intersect with human health.
Credit Hours: 3 Prerequisite Courses:
BIO 325 or BIO 335 .
Course Repeatability: Course may not be repeated.

BIO 440 - Developmental Biology

Course Description:
Concepts of mechanism and control during animal embryology and organ morphogenesis. Topics include chemical signals and signal transduction, different gene expression, and the techniques used to study them. Current primary research literature is stressed.
Lab:

The lab for this course is BIOL 440 .
Credit Hours: 3 Prerequisite Courses:
BIO 335
Course Repeatability: Course may not be repeated.

BIO 442 - Sensory Biology

Course Description:
Sensory Biology considers the senses from a whole organism perspective – from signal detection at the periphery to how the brain processes the information to produce a response. We explore how animals (and even plants) detect, process, and respond to sensory stimuli, such as light, odor, sound, touch, and temperature.
Credit Hours: 3 Prerequisite Courses:
BIO 240 or BIO 345 or PSY 256 .
Course Repeatability: Course may not be repeated.

BIO 443 - Neurobiology

Course Description:
General concepts of cellular neuronal signaling and circuit connectivity with an emphasis on how simple neuronal circuits produce behavior and behavioral variability.
Credit Hours: 3 Prerequisite Courses:
BIO 240 or BIO 345 or PSY 256
Course Repeatability: Course may not be repeated.

BIO 445 - Environmental Physiology

Course Description:
Study of the physiological and biochemical mechanisms by which organisms adapt to the physical parameters within their environments (e.g., temperature, salinity, pressure, hypoxia, altitude) and acclimate to environmental change.
Credit Hours: 3 Prerequisite Courses:
(BIO 201 and BIO 202 and BIO 345) or BIO 340
Course Repeatability: Course may not be repeated.

BIO 448 - Toxicology

Course Description:
Introduction to basic concepts of toxicology as they relate to both ecological and human health, including distribution, cellular penetration, metabolic conversion, and elimination of toxic agents, as well as the fundamental laws governing the interaction of foreign chemicals with biological systems. Focus is on the application of these concepts to the understanding and prevention of the adverse effects resulting from environmental, occupational, or medical exposure to toxic substances (i.e., pesticides, pharmaceuticals, endocrine disrupting compounds).
Credit Hours: 3 Prerequisite Courses:
BIO 201 and BIO 202 and CHM 211
Course Repeatability: Course may not be repeated.

BIO 452 - Mammalogy

Course Description:
Study of mammals, emphasizing their evolution, taxonomic relationships, structural and physiological adaption, and life histories.
Credit Hours: 4 Prerequisite Courses:
BIO 201 and BIO 202
Course Repeatability: Course may not be repeated.

BIO 455 - Field Methods in Marine Mammalogy

Course Description:
Research experience in field and laboratory techniques pertaining to marine mammal ecology, behavior, and communication.
Credit Hours: 3 Prerequisite Courses:
BIO 201 and BIO 202
Course Repeatability: Course may not be repeated.

BIO 456 - Ornithology

Course Description:
An introduction to avian biology with an emphasis on the evolution, classification, physiology, ecology, natural history, and conservation of birds. The lab for this course is BIOL 456.
Credit Hours: 3 Corequisite Courses:
BIOL 456

Prerequisite Courses:

BIO 201, BIO 202, and BIO 366 or BIO 362

Course Repeatability: Course may not be repeated.

BIO 457 - Ichthyology

Course Description:

Survey of systematics, evolution, ecology, and natural history of living fishes, with emphasis on southeastern United States.

Lab:

The lab for this course is BIOL 457 .

Credit Hours: 3 Prerequisite Courses:

BIO 362.

Course Repeatability: Course may not be repeated.

BIO 458 - Fisheries Biology

Course Description:

An examination of the factors that control the population dynamics of fishes. Introduction to the principles of fisheries science including estimation of population metrics such as age, growth, mortality, and abundance, fish stock assessment, and fishery management strategies.

Lab:

The lab for this course is BIOL 458 .

Credit Hours: 3 Prerequisite Courses:

BIO 366 or BIO 362

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated.

BIO 459 - Endocrinology: Hormone Biology

Course Description:

Study of classic hormonal regulation with up-to-date perspective on all forms of chemical communication in animals. Concepts covered with support from research literature, including effects of mutations and endocrine disruption on health. Applicable to human medicine, veterinary medicine, and basic research. Training to find, read, and use research literature provided.

Credit Hours: 3 Prerequisite Courses:

BIO 201 and BIO 202 and CHM 211

Course Repeatability: Course may not be repeated.

BIO 460 - Limnology

Course Description:

An examination of the physical, chemical, and biological characteristics of freshwater systems, particularly lakes and ponds.

Lab:

The lab for this course is BIOL 460 .

Credit Hours: 3 Prerequisite Courses:

BIO 201 and BIO 202 , and CHM 102 and CHML 102 .

Additional Restrictions/Requirements:

Junior or senior standing.

Course Repeatability: Course may not be repeated.

BIO 461 - Biology of Human Aging

Course Description:

Introduction to the biology of aging mechanisms in humans. Explores the meaning and process of aging from the genetic to the organ system levels. Addresses the basics of senescence and longevity and how they pertain to human physiology and disease.

Prerequisite Courses:

BIO 335

Course Repeatability: Course may not be repeated.

BIO 462 - Deep Sea Biology

Course Description:

Study of deep-sea biosphere, with emphasis on the biology of abyssal zones off the North Carolina coast and hydrothermal vent ecosystems. Topics include unique benthic and pelagic animals in deep-sea environments and their physiological adaptations to hydrostatic pressure and low temperature, nutritional dynamics, reproductive strategies, energy flow, and speciation in abyssal and ultra abyssal zones.

Credit Hours: 3 Prerequisite Courses:

BIO 362
Course Repeatability: Course may not be repeated.

BIO 465 - Biochemistry

Course Description:
Chemical properties and metabolism of amino acids, proteins, carbohydrates, lipids, and nucleic acids; enzymes kinetics; bioenergetics regulatory mechanisms.
Lab:
The lab for this course is BIOL 465 .
Credit Hours: 3 Prerequisite Courses:
BIO 201 and BIO 202 and CHM 211
Additional Restrictions/Requirements:
Junior or senior standing.
Course Repeatability: Course may not be repeated.

BIO 466 - Conservation Biology

Course Description:
A scientific approach to the protection, maintenance, and restoration of biological diversity, including its ecological and evolutionary processes and total environment.
Credit Hours: 3 Prerequisite Courses:
BIO 366 or BIO 362
Additional Restrictions/Requirements:
Junior or senior standing.
Course Repeatability: Course may not be repeated.

BIO 470 - Mariculture

Course Description:
Overview of basic principles of fish and shellfish production. Focus on the basic features of culture systems, biology of major culture species and legal and economic aspects of mariculture. Specific culture techniques for a variety of marine species, with special emphasis on the southeast US coast.
Credit Hours: 3 Prerequisite Courses:
BIO 362.
Course Repeatability: Course may not be repeated.

BIO 475 - Plant Systematics

Course Description:

An introduction to identification, classification, and nomenclature of vascular plants with emphasis on the flora of southeastern North Carolina.

Credit Hours: 4 Prerequisite Courses:

BIO 201 and BIO 202

Course Repeatability: Course may not be repeated.

BIO 480 - Field Studies in Biology

Course Description:

A research/experience-oriented field course offered in selected regional locales. Emphasis is placed on distribution, taxonomy, and ecology of animal and/or plant organisms. May be repeated under different subtitles.

Credit Hours: 1 To 6 Prerequisite Courses:

BIO 201 and BIO 202

Additional Restrictions/Requirements:

Prerequisite courses and consent of instructor. BIO 366 and credit in advanced zoology or botany recommended.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

BIO 482 - Wildlife Ecology

Course Description:

Principles of wildlife ecology and management, including population dynamics, diseases, techniques, behavior, habitat manipulations, policy and administration, and contemporary issues such as antihunting. Assigned field problems.

Credit Hours: 3 Prerequisite Courses:

BIO 366

Additional Restrictions/Requirements:

Junior or senior standing.

Course Repeatability: Course may not be repeated.

BIO 483 - Biology of Crustaceans

Course Description:

A survey of the crustaceans to include: anatomy, taxonomy, physiology, behavior, and diversity. Focus on basic crustacean biology for both economically important species and those animals frequently used in biological research.
Lab:
The lab for this course is BIOL 483 .
Credit Hours: 3 Prerequisite Courses:
BIO 362
Course Repeatability: Course may not be repeated.

BIO 484 - Methods in Biological Research

Course Description:
Introduction to experimental design, data acquisition, statistical analysis, and preparation of manuscripts and presentations. Emphasis on multi-disciplinary approaches to hypothesis testing. Participation in a collaborative research project.
Credit Hours: 1 To 3 Prerequisite Courses:
BIO 201 and BIO 202
Course Repeatability: Course may not be repeated.

BIO 485 - Special Topics in Advanced Biology

Course Description:
Explains selected topics not considered in detail in regular course offerings. More than one topic may be taken for credit.
Credit Hours: 1 To 6 Prerequisite Courses:
BIO 201 and BIO 202
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12 Repeat Limit: 11

BIO 486 - Advanced Topics in Mariculture

Course Description:
Advanced mariculture topics not considered in detail in other courses. More than one topic may be taken for credit.
Credit Hours: 3 Prerequisite Courses: BIO 201 and BIO 202 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 3

BIO 487 - Introduction to Coastal Management

Course Description:

Interdisciplinary study of human impact on coastal environments and organisms. Physical and biotic settings of worldwide coastal regions, principles of coastal management, current topics in coastal management, and analysis of potential solutions to coastal problems.

Credit Hours: 0 Or 4 Additional Restrictions/Requirements:

Junior or senior standing or consent of instructors.

Crosslisting:

OCN 458 , GLY 558

Course Repeatability: Course may not be repeated.

BIO 489 - Benthic Ecology

Course Description:

The scientific study of the organisms and processes that structure coastal benthic communities. Benthic communities encompass the vast seafloor areas of estuaries and oceans and support aquatic communities, fisheries, larger species of interest, and critical ecosystem processes.

Credit Hours: 3 Prerequisite Courses:

BIO 201 , BIO 202 , BIO 366 .

Course Repeatability: Course may not be repeated.

BIO 490 - Practicum In Marine Biology

Course Description:

Exploration of advanced topics in marine biology with an emphasis on hands-on research experiences in the classroom, laboratory, or field. The lab for this course is BIOL 490.

Credit Hours: 1 Corequisite Courses:

BIOL 490

Prerequisite Courses:

BIO 362 or BIO 366

Course Repeatability: Course may not be repeated. Major Restriction: Marine Biology Minor Restriction: Marine Biology

BIO 491 - Directed Individual Study

Course Description:

Involves investigation under faculty supervision beyond what is offered in existing

courses. No more than 6 credits total may be applied to the major. For further information, consult the

Depending on their interests and abilities, UNCW students may choose from several kinds of special courses and programs to individualize and otherwise enrich their studies.

- This course, designated as 491 in each department, involves investigation beyond what is offered in existing courses. To enroll in a Directed Individual Study, students must be a junior or senior. Additionally, students must have an overall grade point average of at least 2.00 and the approval of (1) the faculty member who will direct the study, (2) the departmental chairperson, and (3) the appropriate dean. Departmental criteria will include (1) the availability of the instructor (instructors may only supervise a limited number of independent studies each semester), (2) the appropriateness of and need for the proposed study in the student's program, (3) the availability of library and other research resources, and (4) the feasibility of completion of the proposed study in the allotted time. Students are limited to nine credit hours of Directed Individual Study toward graduation requirements.

- Several departments within the College of Humanities, Social Sciences, and the Arts and the professional schools offer field experience courses as part of their semester or summer programs. Participating students conduct individual or group research under faculty guidance at selected areas within and outside the continental United States. Apart from the greater Wilmington area, field experience courses have been conducted in such places as the Florida Keys, Barbados, the Bahamas, Portugal, and parts of Central and South America.

- Raymond L. Burt, *coordinator*

  The German Studies Consortium links participating UNC institutions to facilitate the sharing of teaching and learning resources to enhance German Studies across The University of North Carolina system. This consortium offers a broad array of German Studies courses in the language, literature, and culture of the German-speaking countries taught by specialists in the field. The primary focus is on the sharing of upper-level German classes offered each semester on the North Carolina Information Superhighway. Participant universities include Appalachian State University, East Carolina University, North Carolina State University, the

University of North Carolina at Asheville, the University of North Carolina at Charlotte, the University of North Carolina at Greensboro, University of North Carolina Wilmington, and Western Carolina University. For course details, visit the UNC Online Exchange.

- Regina Felix, *coordinator*
  The Portuguese Exhange links participating UNC institutions to facilitate the sharing of teaching and learning resources to enhance Portuguese language and Portugurese and Brazilian Studies across the University of North Carolina system. This exchange offers courses in the language, literature, and culture of the Portuguese-speaking countries taught by specialists in the field. Participant universities include Appalachian State University, North Carolina State University, the University of North Carolina Asheville, the University of North Carolina at Chapel Hill, the Unversity of North Carolina at Charlotte, the University of North Carolina Wilmington, and Winston Salem State University. For course details, visit the UNC Online Exchange.

- Dave Graber, *coordinator*
  The Russian Studies Consortium links participating UNC institutions to facilitate the sharing of teaching and learning resources to enhance Russian Studies across The University of North Carolina system. This consortium offers a broad array of Russian Studies courses in the language, literature, history, film, society, and culture in the Russian-speaking countries, which can be taught in the target language and/or in translation by specialists with credentials in Russian Studies. The primary goal focuses on the sharing of elementary, intermediate, and upper level Russian Studies classes offered each semester as well as summer session courses on the North Carolina Information Superhighway and/or fully online. Participant universities include Appalachian State University, East Carolina University, North Carolina State University, The University of North Carolina at Charlotte, The University of North Carolina at Greensboro, and The University of North Carolina Wilmington. Courses are offered through the UNC Online Exchange.

- Raymond L. Burt, UNCW *coordinator*

The UNC Language Assembly is a cooperative of the language departments of all 17 campuses of the UNC System, and serves the UNC System and the State of North Carolina by supporting the foreign language programs at the constituent institutions and by seeking to offer a wide diversity of foreign language choices to the students at all the UNC campuses. Students are not required to pay tuition at the other campus, since UNCW tuition applies to these courses as well. Courses are taught online or through videoconference technology. Students can directly enroll in language classes offered by campuses through the UNC Online Exchange.

- https://uncw.edu/myuncw/academics/graduate-school/forms

Graduate Courses Taken for Undergraduate Credit

Graduate courses at UNCW or other accredited institutions may be used to fulfill undergraduate requirements if approved by the course instructor, student's department chair, undergraduate dean, and the dean of the Graduate School. All other transfer credit policies apply. Permission forms may be obtained on the Graduate School forms page under the "Undergraduate Registration for Graduate Courses" section at https://uncw.edu/myuncw/academics/graduate-school/forms.

Graduate Course Taken as an Undergraduate to Later Apply to a Graduate Degree

Undergraduate students who wish to take graduate courses and later receive graduate credit for them must fill out a Docusign to obtain permission in advance from the course instructor, student's department chair and undergraduate dean, and the Graduate School for approval. Graduate courses taken under this provision may not be used to fulfill undergraduate degree requirements. Permission forms may be obtained on the Graduate School form page under the "Undergraduate

Registration for Graduate Courses"
section https://uncw.edu/myuncw/academics/graduate-school/forms.

Credit for Approved Combined Degree Programs

Graduate courses used to fulfill an undergraduate degree requirement at UNCW may be applied to a graduate degree only when taken as part of an approved combined degree program. Courses applied toward an awarded degree may not be applied to a second degree except as described by specific degree programs.

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https://www.uncw.edu/global/
The Office of Global Partnerships and International Education is comprised of three units: Education Abroad, English Language Center, and the Office of International Students & Scholars.

Education Abroad

UNCW offers more than 800 education abroad opportunities in more than 50 countries. Options available include coursework taken abroad, international internships for academic credit, credit-bearing service-learning experiences, academic research, and virtual global learning opportunities. UNCW provides education abroad opportunities to suit nearly every major and credit earned through international programs may be applied towards a UNCW degree. Financial aid may be used in conjunction with education abroad programs and scholarships are available. Students may select from short-term and summer programs, as well as semester, year-long and two-year dual degree options.
All applications for any credit-bearing program abroad must be made through the Office of Global Partnerships and International Education.
UNCW students who study abroad retain their active UNCW student status and will

not have to re-enroll upon return.

Eligibility requirements include:

- 18 years of age at the time of participation
- Good disciplinary standing
- 2.5+ cumulative grade point average
- Sophomore+ status (select programs are open to first-year students)
- Any program-specific requirements
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Several programs in the College of Humanities, Social Sciences, and the Arts, College of Science and Engineering, College of Education, College of Health and Human Services, and the Cameron School of Business offer students the opportunity to earn academic credit within a work environment external to the program. The purpose of the internship experience is to enhance, supplement, and integrate the learning that occurs in formal classroom settings. Permission of the dean and program offering the internship is required to enroll, and the program places limits on the number of credit hours earned applicable toward graduation. Internships designated by a 498 number will be graded on a Pass (P), Fail (F) basis. These credit hours earned will count towards the number of hours required to graduate, but the grade of Pass (P) will be excluded from the computation of the GPA. For further information on internships, refer to the courses numbered 498 in the course listings and then contact the departments offering them.

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The North Carolina Child Welfare Education Collaborative is a university-agency partnership that ensures a quality work force in child welfare settings. The educational goal of this program is to directly address the workforce need for social workers in child welfare settings. Administered by the Jordan Institute for Families, the collaborative includes North Carolina social work education programs, the NC Division of Social Services, the NC Association of County Directors of Social Services and the NC Chapter of the National Association of Social Workers. Educating, training, and supporting current and future social workers in child welfare meets the goal of strengthening families and protecting children. The collaborative offers focused educational courses, training and field experience in child welfare agencies. Participating universities include Appalachian State University, University of North Carolina at Chapel Hill, East Carolina University, North Carolina State University, Joint Masters of Social Work Program at University

of North Carolina at Greensboro and North Carolina Agricultural and Technical State University, and University of North Carolina Wilmington.

- The Reverse Transfer Program is a collaborative effort between North Carolina's Community Colleges and the University of North Carolina's 16 constituent institutions. Students who transfer to UNC Wilmington from one of the 58 North Carolina community colleges are given the opportunity to combine the credits earned at UNCW with credit already earned at the community college to determine if the associate degree requirements have been met. Students have the opportunity to opt-in to this program at the time of admission as a transfer student. There is no cost to participate. For more information, contact the Office of the Registrar.
  Eligibility: Students must have earned at least 16 college-level credit hours at one community college applicable towards their degree, to be eligible to participate. After earning a total of 60 combined credits, the student's UNCW records will be sent back to their previous community college for evaluation. The community college will contact students via their UNCW email, with further details, if the Associate degree is awarded.

- Several UNCW courses employ service-learning opportunities. Service learning is an innovative method of teaching and learning that combines thoughtfully organized service to the community with other means of instruction. Community service-projects are integrated into and enhance the academic curriculum of students, fitting naturally into the philosophy and pedagogy of a variety of disciplines and fostering civic responsibility. Both students and the community benefit from service learning. Service-learning courses have several strengths, not the least of which is that they are adaptable to the needs of the community while providing structured time for the students to reflect on the service experience.

section in this catalogue.
Credit Hours: 1 To 3 Additional Restrictions/Requirements:
Junior or senior standing, overall GPA of at least 2.00, and consent of instructor, department chair and dean.
University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

BIO 493 - Practicum in Biology Teaching

Course Description:

Organization, preparation, and assistance in classroom and/or laboratory exercises and demonstrations under faculty supervision. A maximum of 3 credits may be applied to the major.

Credit Hours: 1 To 4 Additional Restrictions/Requirements:

Junior or senior standing, consent of instructor, and a 3.00 cumulative GPA.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

BIO 495 - Seminar

Course Description:

Individual reports and group discussions of the results of student field, laboratory and/or library research on selected topics in biology.

Lab:

The lab for this course is BIOL 495 .

Credit Hours: 1 Additional Restrictions/Requirements:

Senior Standing.

University Studies: ["Explorations Beyond the Classroom", "Building Competencies/Information Literacy"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 2 Repeat Limit: 1

BIO 498 - Internship in Biological Sciences

Course Description:

Practical field experience and training through a program of work and study within a business or agency. Students are supervised and evaluated jointly by a biology faculty member and an on-site supervisor. (Only three semester hours may count toward biology degree requirement.)

Credit Hours: 1 To 12 Additional Restrictions/Requirements:

Junior or senior standing and major, minimum overall average of 2.00 and consent of instructor.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

BIO 499 - Honors Work in Biology

Course Description:

Independent study for honor students.

Credit Hours: 2 To 3 Additional Restrictions/Requirements:

Junior or senior standing.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

BIOL 105 - Concepts of Modern Biology Laboratory

Course Description:

Introduction to basic cell biology and biodiversity sampling techniques for the non-biology major. Experience in laboratory approaches to introduce basic investigative skills and methods of biological inquiry. This course is the lab for BIO 105.

Credit Hours: 1 Prerequisite or Corequisite Courses:

BIO 105

University Studies: ["Approaches and Perspectives/Scientific Approaches to the Natural World"] Course Repeatability: Course may not be repeated.

BIOL 140 - Human Physiology Laboratory

Course Description:

Introduction to the scientific method of inquiry using human physiology as a focus.

Lab:

This course is the lab for BIO 140 .

Credit Hours: 1 Corequisite Courses:

BIO 140

University Studies: ["Approaches and Perspectives/Scientific Approaches to the Natural World"] Course Repeatability: Course may not be repeated.

BIOL 201 - Principles of Biology: Cells Laboratory

Course Description:

Introduction to basic cell biology sampling techniques and data analysis. Experience in laboratory approaches to introduce basic investigative skills and methods of biological inquiry. This course is the lab for BIO 201.

Credit Hours: 1 Prerequisite or Corequisite Courses:

BIO 201
University Studies: ["Approaches and Perspectives/Scientific Approaches to the Natural World"]
Course Repeatability: Course may not be repeated.

BIOL 202 - Principles of Biology: Biodiversity Laboratory

Course Description:
Introduction to basic biodiversity sampling techniques and data analysis. Experience in laboratory approaches to introduce major taxonomic groups and biotic principles. This course is the lab for BIO 202.
Credit Hours: 1 Prerequisite or Corequisite Courses:
BIO 202
University Studies: ["Approaches and Perspectives/Scientific Approaches to the Natural World"]
Course Repeatability: Course may not be repeated.

BIOL 240 - Human Anatomy and Physiology Laboratory I

Course Description:
Basic histology, dissections, and physiology experiments to demonstrate principles explored in BIO 240 .
Lab:
This course is the lab for BIO 240 .
Credit Hours: 1 Prerequisite Courses:
Prerequisite or corequisite: BIO 240 .
University Studies: ["Approaches and Perspectives/Scientific Approaches to the Natural World"]
Course Repeatability: Course may not be repeated.

BIOL 241 - Human Anatomy and Physiology Laboratory II

Course Description:
Basic histology, dissections, and physiology experiments to demonstrate principles explored in BIO 241 .
Lab:
This course is the lab for BIO 241 .
Credit Hours: 1 Prerequisite Courses:
Prerequisite or corequisite: BIO 241 .
Course Repeatability: Course may not be repeated.

BIOL 246 - Microbiology of Human Diseases Laboratory

Course Description:

Must be taken after or concurrent with BIO 246 lecture. An introduction to basic microbiological laboratory techniques necessary to isolate, identify, stain, culture, and control microorganisms of interest. Special emphasis is placed upon clinical applications through research and completion of historical and clinical case studies.

Lab:

This course is the lab for BIO 246 .

Credit Hours: 1 Prerequisite Courses:

Prerequisite or corequisite: BIO 246 .

Course Repeatability: Course may not be repeated.

BIOL 313 - Marine Phycology Laboratory

Course Description:

Introduction to phycological sampling techniques and data analysis. Experience in field sampling and laboratory approaches to illustrate morphology, life histories, and ecology of benthic marine algae with emphasis on special topics such as morphogenesis, ecotypic variation and speciation, phytogeography, or seasonal periodicity of growth and reproduction. This course is the lab for BIO 313.

Corequisite Courses:

BIO 313

Prerequisite Courses:

BIO 362 or BIO 366

Course Repeatability: Course may not be repeated.

BIOL 318 - Invertebrate Zoology Laboratory

Course Description:

Introduction to invertebrate sampling techniques and data analysis. Experience in species identification with emphasis on the structure, function, phylogeny, ecology, and life histories of marine taxa. This course is the lab for BIO 318.

Corequisite Courses:

BIO 318

Prerequisite Courses:

BIO 201 and BIO 202.

Course Repeatability: Course may not be repeated.

BIOL 319 - Antibiotic Discovery

Course Description:

A hands-on introduction to biological laboratory research methods. Students learn lab safety, techniques in microbiology, and develop scientific literacy for the purpose of creating and implementing a research plan to isolate and identify novel antibiotic-producing bacteria from local environmental samples.

Credit Hours: 1 Prerequisite Courses:

BIO 201 and BIO 202

Course Repeatability: Course may not be repeated.

BIOL 325 - Molecular Biology of Cell Laboratory

Course Description:

Experiments demonstrating basic phenomena underlying cellular function.

Lab:

This course is the lab for BIO 325 .

Credit Hours: 1 Prerequisite Courses:

Prerequisite or corequisite: BIO 325 .

University Studies: ["Building Competencies/Writing Intensive", "Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

BIOL 330 - Microbiology Laboratory

Course Description:

Introduction to basic microbiological laboratory techniques. Experience in laboratory approaches to introduce basic laboratory skills in microbial cultures, staining, biochemical assays, and microorganism identification. This course is the lab for BIO 330.

Lab:

This course is the lab for BIO 330 .

Credit Hours: 2 Prerequisite or Corequisite Courses:

BIO 330

University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

BIOL 335 - Genetics Laboratory

Course Description:

This course examines major genetic concepts and relationships between those concepts. Students will design, execute, and interpret experiments relating DNA to phenotype and investigate genetic interactions in metabolic pathways. Students will analyze and present experimental results, incorporating relevant literature and information from large-scale public genome repositories.

Lab:

This course is the lab for BIO 335 .

Credit Hours: 1 Prerequisite Courses:

Prerequisite or corequisite: BIO 335 .

University Studies: ["Building Competencies/Writing Intensive", "Building Competencies/Information Literacy", "Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated.

BIOL 345 - Animal Physiology Laboratory

Course Description:

Introduction to the equipment and techniques for computer-based acquisition of physiological data. Experience in data analysis and presentation, and in computer simulations of physiological experiments is also included.

Lab:

This course is the lab for BIO 345 .

Credit Hours: 1 Prerequisite Courses:

Prerequisite or corequisite: BIO 345 .

University Studies: ["Building Competencies/Writing Intensive", "Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

BIOL 362 - Marine Ecology Laboratory

Course Description:

Introduction to basic ecological principles in the marine environment as they pertain to individual organisms, populations, communities, and ecosystems. Laboratory activities are designed to give students experiential knowledge and acquaint them with the regional marine fauna and flora. This course is the lab for BIO 362 .

Credit Hours: 1 Prerequisite or Corequisite Courses:

BIO 362

Prerequisite Courses:

BIO 201 and BIO 202

University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

BIOL 363 - Coral Reef Ecology Laboratory

Course Description:

Methods for studying coral reef taxa, community structure, coral physiology, and ecological processes will be explored. Independent project required.

Credit Hours: 1 Prerequisite or Corequisite Courses:

BIO 363

Prerequisite Courses:

BIO 201 , BIO 202

Course Repeatability: Course may not be repeated.

BIOL 366 - Ecology Laboratory

Course Description:

Introduction to ecological sampling techniques and data analysis. Experience in field sampling, laboratory and computer modeling of sampling approaches, and scientific writing is also included. This course is the lab for BIO 366.

Lab:

This course is the lab for BIO 366 .

Credit Hours: 1 Prerequisite or Corequisite Courses:

BIO 366

University Studies: ["Building Competencies/Writing Intensive", "Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated.

BIOL 371 - Phytoplankton Laboratory

Course Description:

Introduction to field and laboratory methods used to identify, isolate and study phytoplankton physiology, ecology, and biotechnological applications. Exploration of microalgae curation and culturing using experimental design approaches and state-of-the-art laboratory and field instrumentation to collect and analyze data.

Credit Hours: 1 Prerequisite or Corequisite Courses:

BIO 371

Prerequisite Courses:

BIO 201 and BIO 202

Course Repeatability: Course may not be repeated.

BIOL 412 - Marine Botany Laboratory

Course Description:
Introduction to marine botany sampling techniques and data analysis. Experience in field sampling and laboratory approaches to illustrate how to identify marine plant communities and quantify their responses to environmental factors. This course is the lab for BIO 412.
Credit Hours: 1 Corequisite Courses:
BIO 412
Course Repeatability: Course may not be repeated.

BIOL 440 - Developmental Biology Laboratory

Course Description:
Investigations of invertebrate and vertebrate development using the methods of descriptive embryology, experimental manipulation and molecular genetics.
Lab:
This course is the lab for BIO 440 .
Credit Hours: 1 Prerequisite Courses:
Prerequisite or corequisite: BIO 440 .
Course Repeatability: Course may not be repeated.

BIOL 456 - Ornithology Laboratory

Course Description:
Introduction to avian anatomy and field identification of North Carolina birds with field trips to local areas. The class may include weekend camping trips or visits to field stations in North Carolina. This course is the lab for BIO 456.
Credit Hours: 1 Corequisite Courses:
BIO 456
Prerequisite Courses:
BIO 201, BIO 202, and (BIO 366 or BIO 362)
Course Repeatability: Course may not be repeated.

BIOL 457 - Ichthyology Laboratory

Course Description:
Demonstration of basic anatomy, taxonomy, and natural history of local species in

laboratory and field environments. This course is the lab for BIO 457.
Lab:
This course is the lab for BIO 457 .
Credit Hours: 1 Prerequisite or Corequisite Courses:
BIO 457
Course Repeatability: Course may not be repeated.

BIOL 458 - Fisheries Biology Laboratory

Course Description:
Laboratory exercises designed to compliment material presented in BIO 458 lecture. Exercise includes processing of age and growth information, modeling of growth and mortality, field sampling, abundance estimation, and single-species stock assessments. This course is the lab for BIO 458.
Lab:
This course is the lab for BIO 458 .
Credit Hours: 1 Prerequisite or Corequisite Courses:
BIO 458
Course Repeatability: Course may not be repeated.

BIOL 460 - Limnology Laboratory

Course Description:
Field and laboratory investigations of limnological problems with an emphasis on water quality.
Lab:
This course is the lab for BIO 460 .
Credit Hours: 1 Corequisite Courses:
BIO 460
Prerequisite Courses:
BIO 201 and BIO 202 , and CHM 102 and CHML 102 .
Additional Restrictions/Requirements:
Junior or senior standing.
Course Repeatability: Course may not be repeated.

BIOL 465 - Biochemistry Laboratory

Course Description:

Experiments demonstrating basic phenomena and techniques of biochemistry.
Lab:
This course is the lab for BIO 465 .
Credit Hours: 1 Prerequisite Courses:
Prerequisite or corequisite: BIO 465 .
Course Repeatability: Course may not be repeated.

BIOL 483 - Biology Of Crustaceans Laboratory

Course Description:
Demonstration of basic internal and external anatomy, taxonomy, and natural history. Modern methods for measurement of molt cycle and reproduction. Field trips to local environments.
Lab:
This course is the lab for BIO 483 .
Credit Hours: 1 Corequisite Courses:
BIO 483
Course Repeatability: Course may not be repeated.

BIOL 490 - Practicum In Marine Biology Laboratory

Course Description:
Hands on exploration of advanced topics in marine biology with an emphasis on research experiences in the classroom, laboratory, or field. This course is the lab for BIO 490.
Credit Hours: 2 Corequisite Courses:
BIO 490
Prerequisite Courses:
BIO 362 or BIO 366
Course Repeatability: Course may not be repeated. Major Restriction: Marine Biology Minor Restriction: Marine Biology

BIOL 495 - Applied Learning Seminar

Course Description:
Students conduct hands-on project in field or laboratory setting coupled with individual reports and group discussions of the results of their research. May only be taken once for credit in the major.

Lab:

This course is the lab for BIO 495 .

Credit Hours: 1 Additional Restrictions/Requirements:

Senior standing.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated.

Department of Chemistry and Biochemistry

http://www.uncw.edu/chem

The Department of Chemistry and Biochemistry offers two programs leading to undergraduate degrees. The Bachelor of Science degree, certified by the American Chemical Society, prepares students intending to pursue a graduate degree or a career in chemistry. The Bachelor of Arts degree provides a broad chemistry-based background in preparation for a chemistry-related career or for those planning to teach chemistry. The minor in chemistry is designed for students who are majoring in other disciplines but would like additional coursework in chemistry.

Chemistry Minor

The minor in chemistry is designed for students who are majoring in other disciplines but would like additional coursework in chemistry. It can be used to round out majors in other sciences or to add skills that will be assets in other careers.

Chemistry, B.A.

The Department of Chemistry and Biochemistry offers two programs leading to undergraduate degrees in chemistry. The Bachelor of Science degree, certified by the American Chemical Society, prepares students intending to pursue a graduate degree or a career in chemistry. The Bachelor of Arts degree provides a broad chemistry-based background in preparation for a chemistry-related career or for those planning to teach chemistry. The minor in chemistry is designed for students who are majoring in other disciplines but would like additional coursework in chemistry.

Chemistry, B.A. with Teacher Licensure

Chemistry, B.S.

The Department of Chemistry and Biochemistry offers two programs leading to undergraduate degrees in chemistry. The Bachelor of Science degree, certified by the American Chemical Society, prepares students intending to pursue a graduate degree or a career in chemistry. The Bachelor of Arts degree provides a broad chemistry-based background in preparation for a chemistry-related career or for those planning to teach chemistry. The minor in chemistry is designed for students who are majoring in other disciplines but would like additional coursework in chemistry.

Biochemistry, B.S.

Biochemists study the chemistry of life processes. The science of biochemistry is of interest to students who wish to pursue careers in health-related fields, such as medicine, pharmaceutical sciences, and pharmacology – or basic research related to life processes and the study of disease.

Pre-Medical Sciences Minor

The minor in pre-medical sciences is designed to prepare students for admissions to medical, dental, pharmacy, or veterinary school after graduation by completing the major science and mathematics courses required as prerequisites for most programs. Contact the Department of Chemistry and Biochemistry for more information.

CHM 101 - General Chemistry I

Course Description:

Overview of the fundamental laws, principles and theories of chemistry. A 'C' or better in CHM 101 is required to take certain advanced courses in chemistry.

Credit Hours: 3 Corequisite Courses:

CHML 101 .
University Studies: ["Approaches and Perspectives/Scientific Approaches to the Natural World"]
Course Repeatability: Course may not be repeated.

CHM 102 - General Chemistry II

Course Description:
Study of the fundamental laws, principles and theories of chemistry. Introduction to inorganic chemistry. Interpretation of experimental results. A 'C' or better in CHM 102 is required to take certain advanced courses in chemistry.
Credit Hours: 3 Corequisite Courses:
CHML 102 .
Prerequisite Courses:
CHM 101 and CHML 101 .
Course Repeatability: Course may not be repeated.

CHM 105 - Basic Concepts of Chemistry

Course Description:
Terminal, relatively non-mathematical course for the non-science major. Topics include atomic and molecular structure as a basis for a general understanding of chemical reactions, reaction dynamics, environmental problems, energy resources, food additives, and nuclear power. May not be taken for credit after earning credit for CHM 102 .
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Scientific Approaches to the Natural World"] Course Repeatability: Course may not be repeated.

CHM 211 - Organic Chemistry I

Course Description:
Introduction to the chemistry of carbon compounds, including structure, reactions, mechanisms, and the concepts of organic synthesis. It is strongly recommended that students take the lab (CHML 211) concurrently with the lecture.
Lab:
The lab for this course is CHML 211 .
Credit Hours: 3 Prerequisite Courses:
CHM 102
Course Repeatability: Course may not be repeated.

CHM 212 - Organic Chemistry II

Course Description:

Reactions and reaction mechanisms of organic compounds. A 'C' or better in CHM 212 is required to take certain advanced courses in chemistry.

Lab:

The lab for this course is CHML 212 . It is strongly recommended that students take the lab (CHML 212) concurrently with the lecture.

Credit Hours: 3 Prerequisite Courses:

CHM 211 with a minimum grade of C

Course Repeatability: Course may not be repeated.

CHM 220 - Physical and Quantitative Methods in Chemistry

Course Description:

Physical and quantitative methods in chemistry is an introductory course that surveys important physical and quantitative tools used in chemistry. Quantitative physical and mathematical methods are absolutely necessary to explore important concepts in in chemistry. This course aims to teach chemistry majors how to apply the available physical and quantitative tools to chemistry using examples and problems from various areas in chemistry, such as physical, biological and analytical chemistry. The course starts from a review of basic calculus and then covers more advanced topics.

Credit Hours: 3 Prerequisite Courses:

(MAT 152 or MAT 162) and (PHY 101 or PHY 201) and (CHM 102 and CHML 102).

Course Repeatability: Course may not be repeated.

CHM 235 - Quantitative Analysis

Course Description:

Data analysis and statistical methods; chemical equilibrium and analytical applications; volumetric analysis and spectrophotometry; acid-base chemistry; activities and other topics as time permits. Normally taken concurrently with CHML 235 .

Lab:

The lab for this course is CHML 235 .

Credit Hours: 3 Prerequisite Courses:

CHM 101 and CHML 101 , and CHM 102 and CHML 102 with a minimum grade of C.

Course Repeatability: Course may not be repeated.

CHM 291 - Introductory Research

Course Description:

Laboratory and computational research under faculty supervision beyond what is offered in existing courses.

Credit Hours: 1 To 3 Additional Restrictions/Requirements:

Freshman, sophomore, junior, or senior standing and consent of instructor and department chair.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

CHM 292 - Special Topics: Good Manufacturing Practice

Course Description:

Good Manufacturing Practices (GMP) of medicinal products for human and veterinary use. Provides the history of drug regulation and GMP criteria and how the regulations are implemented in the current pharmaceutical industry.

Credit Hours: 1 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 9

CHM 312 - Advanced Techniques Organic Chemistry

Course Description:

Theory and practice of chromatographic methods of separation and spectroscopic methods of identification.

Credit Hours: 2 Prerequisite Courses:

CHM 212 with a minimum grade of C.

Course Repeatability: Course may not be repeated.

CHM 320 - Physical Chemistry I: Quantum Chemistry and Spectroscopy

Course Description:

Overview of topics in physical chemistry stressing fundamental concepts in quantum chemistry, statistical mechanics and spectroscopy.

Lab:

The lab for this course is CHML 320 .
Credit Hours: 3 Prerequisite or Corequisite Courses:
CHM 220 .
Prerequisite Courses:
CHM 102 and CHML 102 and (PHY 101 or PHY 201) and (MAT 151 and MAT 152) or (MAT 161 and MAT 162)
Course Repeatability: Course may not be repeated.

CHM 321 - Physical Chemistry II: Thermodynamics and Kinetics

Course Description:
An overview of topics in physical chemistry stressing fundamental concepts in thermodynamics and kinetics.
Lab:
The lab for this course is CHML 321 .
Credit Hours: 3 Prerequisite Courses:
CHM 320 .
Course Repeatability: Course may not be repeated.

CHM 325 - Biophysical Chemistry

Course Description:
Introduction to the fundamentals of thermodynamics and kinetics in the context of biochemical systems. A brief review of the structures of proteins, nucleic acids and membranes followed by a treatment of the thermodynamics and kinetics of binding reactions and phase transitions involving these macromolecules and assemblies. CHML 325 is the laboratory course for CHM 325.
Credit Hours: 3 Prerequisite Courses:
BIO 201 , CHM 211 , CHM 220 .
Course Repeatability: Course may not be repeated.

CHM 350 - Introduction to Chemical Research

Course Description:
Introduction to chemical investigation, including use of the chemical literature, experimental design, proposal preparation, and communication of findings.
Credit Hours: 1 Prerequisite Courses:

CHM 211 or CHM 235

University Studies: ["Building Competencies/Writing Intensive", "Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated. Major Restriction: Biochemistry B.S., Chemistry B.S., or Chemistry B.A.

CHM 365 - Biochemistry I

Course Description:

The structures of macromolecules, amino acids and vitamins, and the chemical principles governing their actions. Solution properties of macromolecules, enzyme kinetics and mechanisms, and metabolic regulation, emphasizing organic/physical chemistry. Basics of nucleic acids and biological transfer information.

Credit Hours: 3 Prerequisite Courses:

BIO 201 and CHM 212 .

University Studies: ["Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated.

CHM 377 - Environmental Chemistry

Course Description:

Introduction to the chemistry of air, soil, and natural waters. Processes of environmental degradation, cleanup, and pollution prevention. Selected current topics.

Lab:

The lab for this course is CHML 377 .

Credit Hours: 3 Prerequisite Courses:

CHM 102 and CHML 102 .

Course Repeatability: Course may not be repeated.

CHM 380 - Forensic Chemistry

Course Description:

Theory and applications of trace organics and metals analyses, fiber and polymer analyses, toxicology, serology, drug and DNA chemistry, fingerprinting techniques, and chain of custody procedures. The optional 3-hour laboratory (CHML 380) may be registered for separately.

Credit Hours: 3 Prerequisite Courses:

CHM 211 and CHML 211

Course Repeatability: Course may not be repeated.

CHM 415 - Physical Organic Chemistry

Course Description:

Theoretical and physical organic chemistry, including chemical bonding, stereochemistry and conformational analysis with applications to selected reaction mechanisms.

Credit Hours: 3 Prerequisite Courses:

CHM 212 .

Course Repeatability: Course may not be repeated.

CHM 417 - Medicinal Chemistry

Course Description:

Study of the principles involved in, and the multidisciplinary nature of, modern drug design. Focus on chemical and biological principles that are fundamental to medicinal chemistry and on understanding how and why certain chemicals interact at biological targets.

Credit Hours: 3 Prerequisite or Corequisite Courses:

CHM 365 or BIO 465

Prerequisite Courses:

CHM 212

Crosslisting:

CHM 517

Course Repeatability: Course may not be repeated.

CHM 425 - Computational Chemistry

Course Description:

Theory and hands-on training of basic computational chemistry; including molecular mechanics, semi-empirical and ab initio molecular orbit theory, density functional theory, and molecular dynamics.

Credit Hours: 3 Prerequisite Courses:

CHM 320 .

Course Repeatability: Course may not be repeated.

CHM 435 - Instrumental Analysis

Course Description:

Study of modern analytical instrumentation and techniques. Emphasis on spectroscopic, separation, electrochemical, and materials analysis techniques.

Credit Hours: 3 Corequisite Courses:

CHML 435 .

Prerequisite Courses:

CHM 235 and CHML 235 and CHM 312 with grades of "C-" or better, and PHY 102 or PHY 202 .

Course Repeatability: Course may not be repeated.

CHM 445 - Inorganic Chemistry

Course Description:

Study of periodic relationships; crystal lattice theory; transition metals and ions; crystal field theory; organometallic structures and reactions; and reaction mechanisms.

Lab:

The lab for this course is CHML 445 .

Credit Hours: 3 Prerequisite Courses:

CHM 320 with a minimum grade of C and CHM 350 with a minimum grade of C

Course Repeatability: Course may not be repeated.

CHM 461 - Biochemistry of Immunity

Course Description:

Introduction to the reactions underlying the immune response, emphasizing biochemical principles. The principles underlying the innate and adaptive immune systems, and the structure and function of the molecules involved. Exploration of the functional immune system as a coordinated collective of individual components.

Credit Hours: 3 Prerequisite Courses:

CHM 365 .

Course Repeatability: Course may not be repeated.

CHM 462 - Biochemistry of Cell Signaling

Course Description:
Introduction to the general principles of cell signaling. The molecules responsible for signaling processes will be discussed, including synthetic or natural product molecules which affect cell signaling. Specific examples may be discussed including neurotransmission, metabolic regulation, and targeting of cell signaling proteins for therapeutic benefit.
Credit Hours: 3 Prerequisite Courses:
CHM 365 .
Course Repeatability: Course may not be repeated.

CHM 463 - Peptide Synthesis

Course Description:
Exploration of peptide synthesis techniques, covering both solution-phase and solid-phase (on-resin) methods. Includes discussions on amino acid coupling strategies, protecting group approaches, activation processes, peptide synthesizers, and ligation techniques. Prepares students for practical applications in biochemical research, drug design, and protein chemistry by examining current methodologies and challenges in peptide assembly.
Credit Hours: 3 Prerequisite Courses:
CHM 365
Course Repeatability: Course may not be repeated.

CHM 466 - Biochemistry II

Course Description:
Examination of bioenergetics, structure and function of biomembranes, biosynthesis, degradation of fatty acids, amino acids, and nucleotides, integration of metabolism, signal transduction, and the action of hormones. Consideration of the structure and enzymology of DNA and RNA, genetic information, protein biosynthesis, and gene regulation.
Credit Hours: 3 Prerequisite Courses:
CHM 365 or BIO 465 .
Course Repeatability: Course may not be repeated.

CHM 467 - Bioinorganic Chemistry

Course Description:
Exploration of the roles that metal ions play in biochemical systems, bridging the gap between inorganic chemistry and biochemistry and providing a comprehensive understanding of how metals contribute to the structure and function of

biomolecules. Examines the principles of coordination chemistry, the function of metalloenzymes, and the application of various spectroscopic techniques to study metal-containing biomolecules.
Credit Hours: 3 Prerequisite Courses:
CHM 220 and CHM 365
Crosslisting:
CHM 567
Course Repeatability: Course may not be repeated.

CHM 468 - Structure and Function of Nucleic Acids

Course Description:
Study of the structure of DNA and RNA, the denaturation and renaturation of DNA and RNA, DNA techniques including cloning, the central dogma (including DNA replication, transcription and translation), and DNA-Protein interactions.

Credit Hours: 3 Prerequisite Courses:
CHM 365
Course Repeatability: Course may not be repeated.

CHM 469 - Enzymology

Course Description:
Investigation of enzyme mechanisms and their regulation. Exploration of the theoretical and practical aspects of studying enzymes and their biological implications. A particular focus will be placed on binding, steady-state kinetics, transient kinetics, allosteric regulation, and inhibition.
Credit Hours: 3 Prerequisite Courses:
CHM 365 , CHM 220 .
Course Repeatability: Course may not be repeated.

CHM 475 - Chemical Oceanography

Course Description:
Introduction to chemical oceanography, including discussion of sources, distribution, forms of occurrence of chemical species in seawater; chemistry of salty solutions; air-sea interactions; marine carbonate system; organic compounds and trace elements in seawater; estuarine chemistry.

Credit Hours: 3 Prerequisite Courses:

Prerequisite: CHM 102 and CHML 102 . Recommended prerequisite or corequisite: CHM 235 and OCN 150 .

Course Repeatability: Course may not be repeated.

CHM 480 - Chemistry Education Research and Practice

Course Description:

Selected topics from chemistry education research. Focus on current research about learning theories, epistemology, representations of chemical structure, technology use in the chemistry classroom, and laboratories.

Credit Hours: 3 Prerequisite Courses:

CHM 212

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Crosslisting:

CHM 580

Course Repeatability: Course may not be repeated.

CHM 485 - Industrial and Polymer Chemistry

Course Description:

An overview of major industrial processes, the synthesis and significance of major industrial chemicals. Polymer chemistry to include synthesis, properties, and applications is covered. Some specialty topics such as pharmaceutical chemistry and agricultural chemistry are also briefly covered.

Credit Hours: 3 Prerequisite Courses:

CHM 212 with a minimum grade of C

Course Repeatability: Course may not be repeated.

CHM 486 - Fundamentals of Heterocycles with Emphasis on Pharmaceuticals

Course Description:

Well over half of all known organic compounds and most pharmaceuticals are heterocyles (containing an atom other than C in the ring), yet their chemistry is hardly touched on in conventional courses. Topics include the nomenclature, properties, synthesis, and pharmaceutical applications of heterocycles.

Credit Hours: 3 Prerequisite Courses:

CHM 212 with a minimum grade of C

Course Repeatability: Course may not be repeated.

CHM 490 - Special Topics In Chemistry

Course Description:

Selected topics in chemistry that are beyond the scope of regular course offerings.

Credit Hours: 1 To 3 Additional Restrictions/Requirements:

Junior or senior standing and consent of instructor.

Crosslisting:

CHM 592

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Repeat Limit: 1

CHM 491 - Directed Individual Study

Course Description:

Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the

Depending on their interests and abilities, UNCW students may choose from several kinds of special courses and programs to individualize and otherwise enrich their studies.

- This course, designated as 491 in each department, involves investigation beyond what is offered in existing courses. To enroll in a Directed Individual Study, students must be a junior or senior. Additionally, students must have an overall grade point average of at least 2.00 and the approval of (1) the faculty member who will direct the study, (2) the departmental chairperson, and (3) the appropriate dean. Departmental criteria will include (1) the availability of the instructor (instructors may only supervise a limited number of independent studies each semester), (2) the appropriateness of and need for the proposed study in the student's program, (3) the availability of library and other research resources, and (4) the feasibility of completion of the proposed study in the allotted time. Students are limited to nine credit hours of Directed Individual Study toward graduation requirements.

- Several departments within the College of Humanities, Social Sciences, and the Arts and the professional schools offer field experience courses as part of their semester or summer programs. Participating students conduct individual or group

research under faculty guidance at selected areas within and outside the continental United States. Apart from the greater Wilmington area, field experience courses have been conducted in such places as the Florida Keys, Barbados, the Bahamas, Portugal, and parts of Central and South America.

- Raymond L. Burt, *coordinator*
  The German Studies Consortium links participating UNC institutions to facilitate the sharing of teaching and learning resources to enhance German Studies across The University of North Carolina system. This consortium offers a broad array of German Studies courses in the language, literature, and culture of the German-speaking countries taught by specialists in the field. The primary focus is on the sharing of upper-level German classes offered each semester on the North Carolina Information Superhighway. Participant universities include Appalachian State University, East Carolina University, North Carolina State University, the University of North Carolina at Asheville, the University of North Carolina at Charlotte, the University of North Carolina at Greensboro, University of North Carolina Wilmington, and Western Carolina University. For course details, visit the UNC Online Exchange.

- Regina Felix, *coordinator*
  The Portuguese Exhange links participating UNC institutions to facilitate the sharing of teaching and learning resources to enhance Portuguese language and Portugurese and Brazilian Studies across the University of North Carolina system. This exchange offers courses in the language, literature, and culture of the Portuguese-speaking countries taught by specialists in the field. Participant universities include Appalachian State University, North Carolina State University, the University of North Carolina Asheville, the University of North Carolina at Chapel Hill, the Unversity of North Carolina at Charlotte, the University of North Carolina Wilmington, and Winston Salem State University. For course details, visit the UNC Online Exchange.

- Dave Graber, *coordinator*
  The Russian Studies Consortium links participating UNC institutions to facilitate the

sharing of teaching and learning resources to enhance Russian Studies across The University of North Carolina system. This consortium offers a broad array of Russian Studies courses in the language, literature, history, film, society, and culture in the Russian-speaking countries, which can be taught in the target language and/or in translation by specialists with credentials in Russian Studies. The primary goal focuses on the sharing of elementary, intermediate, and upper level Russian Studies classes offered each semester as well as summer session courses on the North Carolina Information Superhighway and/or fully online. Participant universities include Appalachian State University, East Carolina University, North Carolina State University, The University of North Carolina at Charlotte, The University of North Carolina at Greensboro, and The University of North Carolina Wilmington. Courses are offered through the UNC Online Exchange.

- Raymond L. Burt, UNCW *coordinator*
  The UNC Language Assembly is a cooperative of the language departments of all 17 campuses of the UNC System, and serves the UNC System and the State of North Carolina by supporting the foreign language programs at the constituent institutions and by seeking to offer a wide diversity of foreign language choices to the students at all the UNC campuses. Students are not required to pay tuition at the other campus, since UNCW tuition applies to these courses as well. Courses are taught online or through videoconference technology. Students can directly enroll in language classes offered by campuses through the UNC Online Exchange.

- https://uncw.edu/myuncw/academics/graduate-school/forms

Graduate Courses Taken for Undergraduate Credit

Graduate courses at UNCW or other accredited institutions may be used to fulfill undergraduate requirements if approved by the course instructor, student's department chair, undergraduate dean, and the dean of the Graduate School. All other transfer credit policies apply. Permission forms may be obtained on the

Graduate School forms page under the "Undergraduate Registration for Graduate Courses" section at https://uncw.edu/myuncw/academics/graduate-school/forms.

Graduate Course Taken as an Undergraduate to Later Apply to a Graduate Degree

Undergraduate students who wish to take graduate courses and later receive graduate credit for them must fill out a Docusign to obtain permission in advance from the course instructor, student's department chair and undergraduate dean, and the Graduate School for approval. Graduate courses taken under this provision may not be used to fulfill undergraduate degree requirements. Permission forms may be obtained on the Graduate School form page under the "Undergraduate Registration for Graduate Courses"
section https://uncw.edu/myuncw/academics/graduate-school/forms.

Credit for Approved Combined Degree Programs

Graduate courses used to fulfill an undergraduate degree requirement at UNCW may be applied to a graduate degree only when taken as part of an approved combined degree program. Courses applied toward an awarded degree may not be applied to a second degree except as described by specific degree programs.

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https://www.uncw.edu/global/
The Office of Global Partnerships and International Education is comprised of three units: Education Abroad, English Language Center, and the Office of International Students & Scholars.

Education Abroad

UNCW offers more than 800 education abroad opportunities in more than 50 countries. Options available include coursework taken abroad, international internships for academic credit, credit-bearing service-learning experiences, academic research, and virtual global learning opportunities. UNCW provides education abroad opportunities to suit nearly every major and credit earned through international programs may be applied towards a UNCW degree. Financial aid may be used in conjunction with education abroad programs and scholarships are available. Students may select from short-term and summer programs, as well as semester, year-long and two-year dual degree options.

All applications for any credit-bearing program abroad must be made through the Office of Global Partnerships and International Education.

UNCW students who study abroad retain their active UNCW student status and will not have to re-enroll upon return.

Eligibility requirements include:

- 18 years of age at the time of participation
- Good disciplinary standing
- 2.5+ cumulative grade point average
- Sophomore+ status (select programs are open to first-year students)
- Any program-specific requirements
-

Several programs in the College of Humanities, Social Sciences, and the Arts, College of Science and Engineering, College of Education, College of Health and Human Services, and the Cameron School of Business offer students the opportunity to earn academic credit within a work environment external to the program. The purpose of the internship experience is to enhance, supplement, and integrate the learning that occurs in formal classroom settings. Permission of the dean and program offering the internship is required to enroll, and the program places limits on the number of credit hours earned applicable toward graduation. Internships designated by a 498 number will be graded on a Pass (P), Fail (F) basis. These credit hours earned will count towards the number of hours required to graduate, but the grade of Pass (P) will be excluded from the computation of the GPA. For further information on internships, refer to the courses numbered 498 in the course listings and then contact the departments offering them.

- The North Carolina Child Welfare Education Collaborative is a university-agency partnership that ensures a quality work force in child welfare settings. The educational goal of this program is to directly address the workforce need for social workers in child welfare settings. Administered by the Jordan Institute for Families, the collaborative includes North Carolina social work education programs, the NC Division of Social Services, the NC Association of County Directors of Social Services and the NC Chapter of the National Association of Social Workers. Educating, training, and supporting current and future social workers in child welfare meets the goal of strengthening families and protecting children. The collaborative offers focused educational courses, training and field experience in child welfare agencies. Participating universities include Appalachian State University, University of North Carolina at Chapel Hill, East Carolina University, North Carolina State University, Joint Masters of Social Work Program at University of North Carolina at Greensboro and North Carolina Agricultural and Technical State University, and University of North Carolina Wilmington.

- The Reverse Transfer Program is a collaborative effort between North Carolina's Community Colleges and the University of North Carolina's 16 constituent institutions. Students who transfer to UNC Wilmington from one of the 58 North Carolina community colleges are given the opportunity to combine the credits earned at UNCW with credit already earned at the community college to determine if the associate degree requirements have been met. Students have the opportunity to opt-in to this program at the time of admission as a transfer student. There is no cost to participate. For more information, contact the Office of the Registrar.
Eligibility: Students must have earned at least 16 college-level credit hours at one community college applicable towards their degree, to be eligible to participate. After earning a total of 60 combined credits, the student's UNCW records will be sent back to their previous community college for evaluation. The community college will contact students via their UNCW email, with further details, if the Associate degree is awarded.

- Several UNCW courses employ service-learning opportunities. Service learning is an innovative method of teaching and learning that combines thoughtfully organized

service to the community with other means of instruction. Community service-projects are integrated into and enhance the academic curriculum of students, fitting naturally into the philosophy and pedagogy of a variety of disciplines and fostering civic responsibility. Both students and the community benefit from service learning. Service-learning courses have several strengths, not the least of which is that they are adaptable to the needs of the community while providing structured time for the students to reflect on the service experience.

section in this catalogue.
Credit Hours: 1 To 3 Additional Restrictions/Requirements:
Junior or senior standing, overall GPA of at least 2.00, and consent of instructor, department chair and dean.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

CHM 495 - Senior Seminar

Course Description:
Discussion of selected topics.
Credit Hours: 1 Prerequisite Courses:
CHM 350
Additional Restrictions/Requirements:
25 semester hours of chemistry courses including prerequisite course.
University Studies: ["Explorations Beyond the Classroom", "Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

CHM 498 - Internship In Chemistry

Course Description:
Practical field experience and academic training related to the student's principal area of interest through a program of work and study within a business or agency. Student is supervised and evaluated jointly by a chemistry faculty member and an on-site supervisor. (Only three hours may count toward a major in chemistry.)
Credit Hours: 1 To 3 Prerequisite Courses:
CHM 212 and CHML 212 and CHM 235 and CHML 235
Additional Restrictions/Requirements:
Prerequisite course, junior or senior standing, consent of instructor; and GPA of at least 2.80 in chemistry.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12 Additional

Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

CHM 499 - Honors Work in Chemistry

Course Description:
Independent study for honors students.
Credit Hours: 2 To 3 Additional Restrictions/Requirements:
Junior or senior standing.
University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

CHML 101 - General Chemistry Laboratory I

Course Description:
Introduction to general chemistry laboratory techniques. This course is the lab companion course for general chemistry lecture CHM 101.
Credit Hours: 1 Corequisite Courses:
CHM 101 .
University Studies: ["Approaches and Perspectives/Scientific Approaches to the Natural World"]
Course Repeatability: Course may not be repeated.

CHML 102 - General Chemistry Laboratory II

Course Description:
Introduction to techniques and equipment used in the chemical laboratory. Interpretation of experimental results. This course is the lab for CHM 102 .
Credit Hours: 1 Corequisite Courses:
CHM 102 .
Prerequisite Courses:
CHML 101 , CHM 101 .
Course Repeatability: Course may not be repeated.

CHML 211 - Organic Chemistry Laboratory I

Course Description:
Introduction to reactions of organic compounds and basic laboratory techniques.
Lab:
This course is the lab for CHM 211 .

Credit Hours: 1 Prerequisite or Corequisite Courses:

CHM 211 .

Prerequisite Courses:

CHML 102

Course Repeatability: Course may not be repeated.

CHML 212 - Organic Chemistry Laboratory II

Course Description:

Reactions of organic compounds and the use of spectroscopic methods in the laboratory.

Lab:

This course is the lab for CHM 212 .

Credit Hours: 1 Prerequisite Courses:

Prerequisite:CHML 211 . Prerequisite or corequisite: CHM 212 .

Course Repeatability: Course may not be repeated.

CHML 235 - Quantitative Analysis Laboratory

Course Description:

Laboratory techniques in classical and modern chemical analysis, including volumetric analysis, chromatography, and spectrophotometry. Application of statistical methods to laboratory data. Chemical equilibrium.

Lab:

This course is the lab for CHM 235 .

Credit Hours: 1 Prerequisite or Corequisite Courses:

CHM 235 .

Course Repeatability: Course may not be repeated.

CHML 312 - Advanced Techniques of Organic Chemistry Laboratory

Course Description:

Advanced laboratory techniques for the synthesis, purification, and identification of organic compounds using chromatographic and spectroscopic methods including HPLC, GC-MS, UV-Vis, IR, and NMR.

Lab:

This course is the lab for CHM 312 .

Credit Hours: 2 Prerequisite or Corequisite Courses:

CHM 312 .

Prerequisite Courses:

CHML 212 .

Course Repeatability: Course may not be repeated.

CHML 320 - Physical Chemistry Laboratory I

Course Description:

Laboratory course that will reinforce the concepts of quantum chemistry learned in the accompanying lecture course (CHM 320). Writing intensive course with a focus on writing laboratory reports in professional fashion.

Lab:

This course is the lab for CHM 320 .

Credit Hours: 1 Prerequisite or Corequisite Courses:

CHM 320 .

University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

CHML 321 - Physical Chemistry Laboratory II

Course Description:

This course is the lab for CHM 321 .

Credit Hours: 1 Prerequisite Courses:

Prerequisite or corequisite: CHM 321 .

University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

CHML 325 - Biophysical Chemistry Laboratory

Course Description:

Essential experimental approaches used in the study of proteins, lipids, and nucleic acids, and their interactions. The molecular structure, thermodynamics and kinetics of binding reactions, phase transitions, and other processes involving these macromolecules will be studied using calorimetry and modern spectroscopic methods.

Credit Hours: 1 Prerequisite or Corequisite Courses:

CHM 325 .

Prerequisite Courses:

CHM 220 .

Course Repeatability: Course may not be repeated.

CHML 365 - Biochemistry Laboratory

Course Description:

Theory and practice of biochemical techniques. Topics may include protein assays, protein purification, electrophoresis, enzyme kinetics, HPLC or proteins, buffers and pH, DNA isolation, and molecular visualization and modeling.

Credit Hours: 2 Prerequisite or Corequisite Courses:

CHM 365 .

Prerequisite Courses:

CHML 212 .

Course Repeatability: Course may not be repeated.

CHML 377 - Environmental Chemistry Laboratory

Course Description:

Laboratory analysis of environmental samples, including applications of standard EPA methods.

Lab:

This course is the lab for CHM 377 .

Credit Hours: 1 Corequisite Courses:

CHM 377

Course Repeatability: Course may not be repeated.

CHML 380 - Forensic Chemistry Laboratory

Course Description:

Laboratory techniques in forensic chemistry, including analyses of trace organics, metals and analyses, fibers and polymers; toxicology; serology; drug and DNA chemistry; fingerprinting; and chain of custody procedures.

Credit Hours: 1 Prerequisite or Corequisite Courses:

CHM 380 .

Prerequisite Courses:

CHM 211 and CHML 211 .

Course Repeatability: Course may not be repeated.

CHML 435 - Instrumental Analysis Lab

Course Description:

Theory and application of modern analytical instrumentation and techniques. Emphasis on atomic spectroscopy, molecular spectroscopy, chromatography, electrochemistry, mass spectrometry, statistical analysis, report writing, and laboratory safety.

Credit Hours: 2 Corequisite Courses:

CHM 435 .

Prerequisite Courses:

CHML 235

Course Repeatability: Course may not be repeated.

CHML 445 - Inorganic Synthesis Laboratory

Course Description:

Synthesis and techniques in inorganic chemistry. Normally taken concurrently with CHM 445 .

Lab:

This course is the lab for CHM 445 .

Credit Hours: 1 Prerequisite or Corequisite Courses:

CHM 445 .

Course Repeatability: Course may not be repeated.

CHML 468 - Plasmid Design and Production

Course Description:

Study of advanced experimental skills for constructing, producing, and purifying plasmids used in the synthesis of biological macromolecules. Students will learn to design plasmids for the expression of recombinant proteins, in-vitro transcription of mRNAs, and the production of viral vectors. Course topics include DNA cloning techniques and plasmid production methods.

Credit Hours: 1 Prerequisite Courses:

CHM 365 and CHML 365

Course Repeatability: Course may not be repeated.

Department of Computer Science

http://www.uncw.edu/csc

The Department of Computer Science offers two programs of study leading to the Bachelor of Science degree in computer science. Both options prepare students to attend graduate school and to pursue career opportunities in computer science or closely related areas. Both options follow the systems-based approach set forth by the Association for Computing Machinery and the IEEE Computer Society for undergraduate degree programs in computer science.

The Systems Option (Option 1) contains more thorough coverage of concepts in operating systems, scientific computing, and has more elective credit hours in upper-level computer science courses to allow students the flexibility to explore additional advanced topics. The Systems Option (Option 1) is the ABET Accredited degree offered by the Computer Science Department.

Option 2 is designed to give students a sound background in computer science and the opportunity for in-depth study of a computer science application area. The department offers courses in computer networking, computer architecture, web design and development, database management systems, parallel computing, cybersecurity, information technology, computer graphics, artificial intelligence, and software engineering. Thus, the program of study can be tailored to a student's specific area of interest.

Students must have good analytical and problem-solving skills to be successful in computer science. In this regard, students need appropriate preparation in mathematical sciences. In addition, communication and reasoning skills are an important factor in a student's success both in college and in a career in computer science.

The Department of Computer Science is also affiliated with the undergraduate degrees in Cybersecurity, Digital Arts, Information Technology, Intelligent Systems Engineering, and Software Engineering as well as the M.S. in Information Systems and Computer Science and the M.S. in Data Science.

Computer Science Minor

Computer Science, B.S.

The Department of Computer Science offers two programs of study leading to the Bachelor of Science degree in computer science. Both options prepare students to attend graduate school and to pursue career opportunities in computer science or closely related areas. Both options follow the systems-based approach set forth by the Association for Computing Machinery and the IEEE Computer Society for undergraduate degree programs in computer science.

Program Coordinator: Ellie Ebrahimi

Computer Science and Information Systems, Bachelor's/Master's Combined Program

Data Science Minor

The data science minor is an interdisciplinary program that emphasizes computational-based applications of traditional data analysis methods and current trends in data mining and machine learning. The program is a collaborative effort between departments, the larger academic community and the business community that emphasizes computational-based applications.

Intelligent Systems Engineering, B.S.

Dr. Clayton Ferner
The program in Intelligent System Engineering is a 4-year interdisciplinary program involving both the engineering and the computing domain. In addition to the successful completion of university studies requirements for UNCW, the B.S. curriculum requires math and science foundations, engineering core courses and an area of concentration. The concentration areas include: 1. Machine Learning and Artificial Intelligence, 2. Cybersecurity, and 3. Cyber-physical Systems (smart networked systems with embedded sensors and actuators that are designed to interact with the real-world and support real-time, guaranteed performance in safety-critical applications).
The program is supported by computer science and engineering faculty with strengths in machine learning, artificial intelligence, data science, cybersecurity, and

cyber-physical systems, robotics, and Internet of Things.

Program Coordinator: Clayton Ferner

Cybersecurity, B.S.

The B.S. in Cybersecurity was created jointly by faculty from the Congdon School of Supply Chain, Business Analytics and Information Systems within the Cameron School of Business and faculty from the Department of Computer Science within the College of Science and Engineering. As such, it draws upon expertise of both information systems and computer science.
The major is targeted to students interested in courses that highlight computer, network, and information security.
Student's pursuing the cybersecurity program of study will learn computing-based foundations, crosscutting concepts that are broadly applicable across the range of cybersecurity specializations, knowledge containing essential cybersecurity skills, and ethical and professional responsibilities associated with the field.

Program Coordinator: Geoff Stoker

Information Technology and Computer Science and Information Systems, Bachelor's/Master's Combined Program

The combined bachelor's/master's degree program is designed to provide qualified students the means to complete the requirements for both degrees in a period of five years. Upon completion, a student will earn a B.S. in Information Technology and an M.S. in Computer Science and Information Systems. A key feature of the program is that a student can count up to 12 hours of graduate-level courses to fulfill requirements for the B.S. and use those same 12 credits toward the M.S. in Computer Science and Information Systems.
The program is designed for students in the B.S. program in Information Technology who have:

- Completed a minimum of sixty-seven (67) credit hours in their undergraduate programs. (Note: more hours may be permitted if the student is a double major.) Transfer students must have completed a minimum of two semesters as full-time students at UNCW, a minimum of 24 hours.

• Completed BUS 500 and CSC 500
• A minimum accumulated grade point average (GPA) of 3.0 and a minimum grade point average (GPA) of 3.2 on all 100-400 level courses that are core or required within Information Technology at UNCW.

Software Engineering, B.S.

The Bachelor of Science in Software Engineering program prepares students to engineer complex software systems to professional quality standards through the application of appropriate theories and principles. Students learn problem identification, software analysis, software design, implementation, verification, operation, and team coordination using professional tools and practices. Graduates of the program are prepared for careers in the software development industry.
Program Coordinator: Lucas Layman

Game Engineering Minor

The Game Engineering minor prepares students to design and program within game engines through the study of game theory, graphics, physics, and real time programming. Skills developed within this minor can be applied to gaming, visual effects, and simulation industries. This minor builds on computing and math coursework completed through other majors and minors.
An overall quality point average of "C" (2.00) or better is required for all courses counted toward the minor.

Information Technology Minor

Coordinator: Shauna White
The College of Science and Engineering offers an interdisciplinary minor in information technology which provides students with the opportunity to develop an understanding of technology and its impact on society and in the workplace. Because information technology affects virtually all aspects in society: education, business, and industry; the study of information technology is best suited to an interdisciplinary approach. In this interdisciplinary minor, students will encounter various aspects of information technology that directly impact their chosen course of study. Students should contact the coordinator for additional information.

Information Technology, B.S.

The Information Technology (IT) major is an interdisciplinary major shared by two departments: the Department of Computer Science in the College of Science and Engineering and the Congdon School of Supply Chain, Business Analytics, and Information Systems in the Cameron School of Business. Admission to the Cameron School of Business is not required for students in the IT major. The program develops students' skills in the critical and practical understanding of information technology and prepares them for information technology-related work and/or further study at the graduate level. The curriculum provides a foundation for information technology professionals to have a perspective of the rapidly expanding and evolving science of technology and how it can be managed and leveraged to support business activities. The primary educational objective of the program is to produce graduates who can enter into and advance in the professions of information technology, as well as continue their education and obtain advanced degrees in this and related fields.

The B.S. Information Technology degree is offered with the following concentration areas: Business Application Development, Business Data Management, Cloud Computing, Computer Science, Criminology, Cyber Security, General Information Technology, and Networking and Communications.

Program Coordinator: Shauna White

CIT 110 - Fluency in Information Technology

Course Description:

Information representation, the Internet and HTML, algorithmic thinking and programming, language translation, modeling and abstraction, algorithmic complexity and non-computability, machine architecture and parallel computation, networks and communication, database principles, multimedia, social impacts of computing.

Credit Hours: 3 University Studies: ["Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

CIT 204 - Digital Media

Course Description:

Introduction to technologies of the Internet. Web-page design; graphics and animation; client/server concepts; collaborative computing and group work; network publishing; security and encryption; audio, video, and image compression; ethical issues and privacy; e-commerce; client-side Web programming; and dynamic Web-page generation.

Credit Hours: 3 Prerequisite Courses:

CIT 110 or CSC 105 or CSC 112

Additional Restrictions/Requirements:

Prerequisite courses or consent of instructor.

University Studies: ["Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

CIT 213 - Introduction to Databases: Techniques and Technologies

Course Description:

Fundamental concepts of database management systems, including advantages of using database management systems, data modeling, relational database design, query-building, security, privacy and ethical issues, and introductions to Web-based processing, Big Data concepts, and non-relational models.

Credit Hours: 3 Prerequisite Courses:

CIT 110

Course Repeatability: Course may not be repeated.

CIT 225 - Linux Administration

Course Description:

Install, configure, securely administer Linux operating system platforms. Topics include Linux operating systems concepts, system installation and configuration, introduction to networking (protocols, IP addressing, ports, subnetting), security, firewalls, packet filtering, networked file systems, lightweight directory access protocol, virtualization, Linux-Windows integration, and Linux shell programming.

Credit Hours: 3 Prerequisite Courses:

CSC 121 or CSC 131 with a grade of "C-" or better in either course, or instructor

approval.
Course Repeatability: Course may not be repeated.

CIT 275 - Topics in Information Technology

Course Description:
Topics of current interest relating to computer science or computer technology and its uses. May be repeated under different subtitles.
Credit Hours: 3 Additional Restrictions/Requirements:
Consent of instructor.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

CIT 291 - Introductory Research in Information Technology

Course Description:
Research under faculty supervision beyond what is offered in existing courses.
Credit Hours: 3 Additional Restrictions/Requirements:
Freshman or Sophomore standing, and consent of department chair or program coordinator.
University Studies: [""] Course Repeatability: Course may not be repeated. Additional Course Fees: [""] Equivalent Courses: [""]

CIT 301 - Cloud Computing & Virtualization

Course Description:
Survey, configuration, and deployment of cloud computing technologies and services, including but not limited to: virtualization environments, SaaS, PaaS, DaaS, IaaS, mass storage, virtualization compute resources, SQL and non-SQL databases, cloud development tools, deployment models, load balancing, automatic provisioning, Internet of Things, VPNs, firewalls, security, two-factor authentication, legal/privacy issues.
Credit Hours: 3 Prerequisite or Corequisite Courses:
CSC 344 or MIS 320
Prerequisite Courses:
CIT 225 or CYBR 307
Course Repeatability: Course may not be repeated.

CIT 361 - Cloud DevOps

Course Description:

An exploration of DevOps practices in cloud environments. Students learn how to leverage cloud infrastructure, automation tools, and continuous integration/continuous deployment (CI/CD) pipelines to streamline development and delivery. Students are equipped to implement and manage cloud-based DevOps pipelines.

Credit Hours: 3 Prerequisite Courses:

CIT 301 and MIS 316

Course Repeatability: Course may not be repeated.

CIT 380 - Platform Technologies

Course Description:

Study of basic operation of platform technologies, including general purpose computers and peripherals, and communication infrastructure such as transmission systems (copper, wireless, optical fiber), networking and networking devices. Introduces digital data representation, including number systems and character encodings.

Credit Hours: 3 Prerequisite Courses:

CIT 225 and MIS 352 .

Course Repeatability: Course may not be repeated.

CIT 410 - Web Application Development

Course Description:

Structured approach to building and maintaining dynamic and interactive Web sites. Emphasis on application, design and development. Students gain a thorough understanding of server-side scripting, form validation, and Web-site security while advancing their understanding of database design principles and SQL. Students create a database-driven Website.

Credit Hours: 3 Prerequisite Courses:

MIS 310 or CSC 365 .

Course Repeatability: Course may not be repeated.

CIT 425 - Human-Computer Interfaces

Course Description:

Human-computer interaction for information technology professionals. Analysis and design of systems from the point of view of HCI.

Credit Hours: 3 Prerequisite Courses:

MIS 310

University Studies: ["Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated.

CIT 461 - Cloud Web Services

Course Description:

An in-depth exploration of a cloud platform including learning to use the platform to develop scalable, secure, and efficient web applications. Topics include serverless computing, databases, storage solutions, and APIs. Provides students with the tools to design and implement cloud-native web applications.

Credit Hours: 3 Prerequisite Courses:

CIT 361 and CYBR 431

Course Repeatability: Course may not be repeated.

CIT 475 - Topics in Information Technology

Course Description:

Topics of current interest in information technology not covered in existing courses. May be repeated under different subtitles.

Credit Hours: 3 Additional Restrictions/Requirements:

Senior standing and consent of instructor.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

CIT 491 - Directed Individual Study

Course Description:

Investigation under faculty supervision beyond what is offered in existing courses. Written experience report and oral presentation required. For further information, consult the

Depending on their interests and abilities, UNCW students may choose from several kinds of special courses and programs to individualize and otherwise enrich their studies.

- This course, designated as 491 in each department, involves investigation beyond what is offered in existing courses. To enroll in a Directed Individual Study, students must be a junior or senior. Additionally, students must have an overall grade point average of at least 2.00 and the approval of (1) the faculty member who will direct the study, (2) the departmental chairperson, and (3) the appropriate dean. Departmental criteria will include (1) the availability of the instructor (instructors may only supervise a limited number of independent studies each semester), (2) the appropriateness of and need for the proposed study in the student's program, (3) the availability of library and other research resources, and (4) the feasibility of completion of the proposed study in the allotted time. Students are limited to nine credit hours of Directed Individual Study toward graduation requirements.

- Several departments within the College of Humanities, Social Sciences, and the Arts and the professional schools offer field experience courses as part of their semester or summer programs. Participating students conduct individual or group research under faculty guidance at selected areas within and outside the continental United States. Apart from the greater Wilmington area, field experience courses have been conducted in such places as the Florida Keys, Barbados, the Bahamas, Portugal, and parts of Central and South America.

- Raymond L. Burt, *coordinator*
The German Studies Consortium links participating UNC institutions to facilitate the sharing of teaching and learning resources to enhance German Studies across The University of North Carolina system. This consortium offers a broad array of German Studies courses in the language, literature, and culture of the German-speaking countries taught by specialists in the field. The primary focus is on the sharing of upper-level German classes offered each semester on the North Carolina Information Superhighway. Participant universities include Appalachian State University, East Carolina University, North Carolina State University, the University of North Carolina at Asheville, the University of North Carolina at Charlotte, the University of North Carolina at Greensboro, University of North Carolina Wilmington, and Western Carolina University. For course details, visit the UNC Online Exchange.

- Regina Felix, *coordinator*
  The Portuguese Exhange links participating UNC institutions to facilitate the sharing of teaching and learning resources to enhance Portuguese language and Portugurese and Brazilian Studies across the University of North Carolina system. This exchange offers courses in the language, literature, and culture of the Portuguese-speaking countries taught by specialists in the field. Participant universities include Appalachian State University, North Carolina State University, the University of North Carolina Asheville, the University of North Carolina at Chapel Hill, the Unversity of North Carolina at Charlotte, the University of North Carolina Wilmington, and Winston Salem State University. For course details, visit the UNC Online Exchange.

- Dave Graber, *coordinator*
  The Russian Studies Consortium links participating UNC institutions to facilitate the sharing of teaching and learning resources to enhance Russian Studies across The University of North Carolina system. This consortium offers a broad array of Russian Studies courses in the language, literature, history, film, society, and culture in the Russian-speaking countries, which can be taught in the target language and/or in translation by specialists with credentials in Russian Studies. The primary goal focuses on the sharing of elementary, intermediate, and upper level Russian Studies classes offered each semester as well as summer session courses on the North Carolina Information Superhighway and/or fully online. Participant universities include Appalachian State University, East Carolina University, North Carolina State University, The University of North Carolina at Charlotte, The University of North Carolina at Greensboro, and The University of North Carolina Wilmington. Courses are offered through the UNC Online Exchange.

- Raymond L. Burt, UNCW *coordinator*
  The UNC Language Assembly is a cooperative of the language departments of all 17 campuses of the UNC System, and serves the UNC System and the State of North Carolina by supporting the foreign language programs at the constituent institutions and by seeking to offer a wide diversity of foreign language choices to

the students at all the UNC campuses. Students are not required to pay tuition at the other campus, since UNCW tuition applies to these courses as well. Courses are taught online or through videoconference technology. Students can directly enroll in language classes offered by campuses through the UNC Online Exchange.

- https://uncw.edu/myuncw/academics/graduate-school/forms

Graduate Courses Taken for Undergraduate Credit

Graduate courses at UNCW or other accredited institutions may be used to fulfill undergraduate requirements if approved by the course instructor, student's department chair, undergraduate dean, and the dean of the Graduate School. All other transfer credit policies apply. Permission forms may be obtained on the Graduate School forms page under the "Undergraduate Registration for Graduate Courses" section at https://uncw.edu/myuncw/academics/graduate-school/forms.

Graduate Course Taken as an Undergraduate to Later Apply to a Graduate Degree

Undergraduate students who wish to take graduate courses and later receive graduate credit for them must fill out a Docusign to obtain permission in advance from the course instructor, student's department chair and undergraduate dean, and the Graduate School for approval. Graduate courses taken under this provision may not be used to fulfill undergraduate degree requirements. Permission forms may be obtained on the Graduate School form page under the "Undergraduate Registration for Graduate Courses"
section https://uncw.edu/myuncw/academics/graduate-school/forms.

Credit for Approved Combined Degree Programs

Graduate courses used to fulfill an undergraduate degree requirement at UNCW may be applied to a graduate degree only when taken as part of an approved combined degree program. Courses applied toward an awarded degree may not be applied to a second degree except as described by specific degree programs.

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https://www.uncw.edu/global/
The Office of Global Partnerships and International Education is comprised of three units: Education Abroad, English Language Center, and the Office of International Students & Scholars.

Education Abroad

UNCW offers more than 800 education abroad opportunities in more than 50 countries. Options available include coursework taken abroad, international internships for academic credit, credit-bearing service-learning experiences, academic research, and virtual global learning opportunities. UNCW provides education abroad opportunities to suit nearly every major and credit earned through international programs may be applied towards a UNCW degree. Financial aid may be used in conjunction with education abroad programs and scholarships are available. Students may select from short-term and summer programs, as well as semester, year-long and two-year dual degree options.
All applications for any credit-bearing program abroad must be made through the Office of Global Partnerships and International Education.
UNCW students who study abroad retain their active UNCW student status and will not have to re-enroll upon return.
Eligibility requirements include:

- 18 years of age at the time of participation
- Good disciplinary standing

- 2.5+ cumulative grade point average
- Sophomore+ status (select programs are open to first-year students)
- Any program-specific requirements
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Several programs in the College of Humanities, Social Sciences, and the Arts, College of Science and Engineering, College of Education, College of Health and Human Services, and the Cameron School of Business offer students the opportunity to earn academic credit within a work environment external to the program. The purpose of the internship experience is to enhance, supplement, and integrate the learning that occurs in formal classroom settings. Permission of the dean and program offering the internship is required to enroll, and the program places limits on the number of credit hours earned applicable toward graduation. Internships designated by a 498 number will be graded on a Pass (P), Fail (F) basis. These credit hours earned will count towards the number of hours required to graduate, but the grade of Pass (P) will be excluded from the computation of the GPA. For further information on internships, refer to the courses numbered 498 in the course listings and then contact the departments offering them.

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The North Carolina Child Welfare Education Collaborative is a university-agency partnership that ensures a quality work force in child welfare settings. The educational goal of this program is to directly address the workforce need for social workers in child welfare settings. Administered by the Jordan Institute for Families, the collaborative includes North Carolina social work education programs, the NC Division of Social Services, the NC Association of County Directors of Social Services and the NC Chapter of the National Association of Social Workers. Educating, training, and supporting current and future social workers in child welfare meets the goal of strengthening families and protecting children. The collaborative offers focused educational courses, training and field experience in child welfare agencies. Participating universities include Appalachian State University, University of North Carolina at Chapel Hill, East Carolina University, North Carolina State University, Joint Masters of Social Work Program at University of North Carolina at Greensboro and North Carolina Agricultural and Technical State University, and University of North Carolina Wilmington.

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The Reverse Transfer Program is a collaborative effort between North Carolina's Community Colleges and the University of North Carolina's 16 constituent institutions. Students who transfer to UNC Wilmington from one of the 58 North Carolina community colleges are given the opportunity to combine the credits earned at UNCW with credit already earned at the community college to determine if the associate degree requirements have been met. Students have the opportunity to opt-in to this program at the time of admission as a transfer student. There is no cost to participate. For more information, contact the Office of the Registrar.
Eligibility: Students must have earned at least 16 college-level credit hours at one community college applicable towards their degree, to be eligible to participate. After earning a total of 60 combined credits, the student's UNCW records will be sent back to their previous community college for evaluation. The community college will contact students via their UNCW email, with further details, if the Associate degree is awarded.

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Several UNCW courses employ service-learning opportunities. Service learning is an innovative method of teaching and learning that combines thoughtfully organized service to the community with other means of instruction. Community service-projects are integrated into and enhance the academic curriculum of students, fitting naturally into the philosophy and pedagogy of a variety of disciplines and fostering civic responsibility. Both students and the community benefit from service learning. Service-learning courses have several strengths, not the least of which is that they are adaptable to the needs of the community while providing structured time for the students to reflect on the service experience.

section in the catalogue.
Credit Hours: 1 To 3 Additional Restrictions/Requirements:
Junior or senior standing, overall GPA of at least 2.00.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

CIT 495 - Seminar in Information Technology

Course Description:
Research and discussion of selected topics in Information Technology. Oral presentation required.
Credit Hours: 1 Additional Restrictions/Requirements:

Junior or senior standing.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 3

CIT 498 - Internship in Information Technology

Course Description:
Academic training and practical experience through work in a private company or public agency. Faculty supervision and evaluation of all study and on-site activity. Written experience report and oral presentation required.
Credit Hours: 1 To 3 Additional Restrictions/Requirements:
Junior or senior standing.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Additional Fees Link:
Additional Course Fee Schedule

CIT 499 - Honors Work in Information Technology

Course Description:
Individual study for honors students.
Credit Hours: 2 To 3 Additional Restrictions/Requirements:
Eligibility for honors program.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

CSC 105 - Computing Competencies for College and the Workplace

Course Description:
College-level computing education for all majors focusing on software skills employers most frequently seek, technology-related social, legal and ethical issues, and foundational understanding of current digital technologies for efficient organization and effective communication. Students will choose one additional topic of interest such as business or graphic design.
Credit Hours: 3 University Studies: ["Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

CSC 112 - Introduction to Computer Programming

Course Description:
Introduction to programming in a high-level language. Algorithms, computer

systems, data representation, survey of computer applications, elementary programming techniques, debugging and verification of programs. The language to be used will be specified in the schedule of classes. Recommended primarily for non computer science majors.

Credit Hours: 3 Prerequisite Courses:

MAT 112 or MAT 150 or MAT 160 .

University Studies: ["Foundations/Mathematics and Statistics"] Course Repeatability: Course may not be repeated.

CSC 121 - Programming Concepts I

Course Description:

Problem-solving methods and algorithms in a modern high-level programming language. Introduces classes and objects; control structures; arrays; characters and strings. Emphasis on programming style and the design, coding, and testing of complete programs.

Credit Hours: 4 Prerequisite Courses:

MAT 111 .

Additional Restrictions/Requirements:

Recommended primarily for information technology majors. Will not transfer to the computer science major or minor. A grade of "C" (2.00) or better is required to take MIS 316 . Available online only.

University Studies: ["Building Competencies/Quantitative and Logical Reasoning", "Foundations/Mathematics and Statistics"] Course Repeatability: Course may not be repeated.

CSC 131 - Introduction to Computer Science

Course Description:

Problem solving methods and algorithms in a modern high-level programming language. Introduces one or more programming environments. Emphasis on a programming style and the design, coding, and testing of complete programs. Recommended primarily for computer science majors.

Credit Hours: 4 Prerequisite Courses:

MAT 112 or MAT 150 or MAT 160 .

University Studies: ["Common Requirements/Critical Reasoning", "Foundations/Mathematics and Statistics"] Course Repeatability: Course may not be repeated. Additional Fees Link:

You must achieve a 'C' (2.00) or better if you intend to use this course as a prerequisite for another course.

CSC 133 - Discrete Mathematical Structures

Course Description:

Introduction to discrete mathematics applicable to computer science. Propositional and predicate logic, basic proof techniques, set algebra and Boolean algebra, recursion and induction, and introductory graphs and combinatorics.

Credit Hours: 3 Prerequisite Courses:

MAT 112 or MAT 150 or MAT 160 .

University Studies: ["Foundations/Mathematics and Statistics"] Course Repeatability: Course may not be repeated.

CSC 202 - AI Essentials: Understanding Artificial Intelligence

Course Description:

Introduction to Artificial Intelligence (AI) fundamentals for all majors with minimum/no computer programming skills. Exploration of AI concepts and machine learning (ML) techniques to learn when and how to use AI tools to solve problems and to create AI/ML predictive models. Practical applications of AI/ML for various domains will be studied to understand and leverage AI/ML technology.

Credit Hours: 3 Prerequisite Courses:

(Sophomore or higher with a declared major) and (a MAT 100-level course) or instructor approval.

Course Repeatability: Course may not be repeated.

CSC 220 - 3-D Computer Graphics Tools and Literacy

Course Description:

Project-based approach to learning fundamental principles of 3-D computer graphics using high-level software tools. Modeling of objects, geometrical transformations, surface algorithms, lighting and shading, alternative rendering techniques, and providing background skills necessary to create animated movies.

Credit Hours: 3 Prerequisite Courses:

Prerequisite: CSC 112 or CSC 131 . Prerequisite or corequisite: ART 260 or ART 282 .

Crosslisting:

ART 220 , FST 220

Course Repeatability: Course may not be repeated.

CSC 231 - Introduction to Data Structures

Course Description:

Study of basic data structures and their applications. Lists and trees; searching and sorting algorithms; hashing; analysis and design of efficient algorithms. Recommended for CSC majors only. A grade of 'C' (2.00) or better is required for taking courses for which CSC 231 is a prerequisite.

Credit Hours: 4 Corequisite Courses:

CSC 133

Prerequisite Courses:

CSC 131 with a minimum grade of C

Course Repeatability: Course may not be repeated.

CSC 242 - Computer Organization

Course Description:

Topics include data representation, CPU organization, I/O memory and communication, machine-level representation of programs, introduction to a modern instruction set, introduction to assembly language programming.

Credit Hours: 3 Prerequisite Courses:

CSC 131 with a minimum grade of C and CSC 133

Course Repeatability: Course may not be repeated.

CSC 275 - Topics in Computer Science and Technology

Course Description:

Topics of current interest relating to computer science or computer technology and its uses not covered in existing courses. May be repeated under a different subtitle.

Credit Hours: 1 to 4 Additional Restrictions/Requirements:

Consent of instructor.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 4 Repeat Limit: 2

CSC 291 - Introductory Research in Computer Science

Course Description:

Computer Science research under faculty supervision beyond what is offered in existing courses. Written experience report and oral presentation required.

Credit Hours: 1 Additional Restrictions/Requirements:

Freshman or Sophomore standing, overall GPA of at least 2.50 and a GPA in CS courses of at least 2.80, and consent of instructor and program coordinator.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 4 Repeat Limit: 3

CSC 302 - Introduction to Artificial Intelligence

Course Description:

Introduction to foundational topics on Artificial Intelligence and mathematical foundation suitable for the studies of AI. Topics include modern historical perspectives of AI, intelligent agents, search algorithms, machine learning, knowledge representation, ethical and societal implications of AI.

Credit Hours: 3 Prerequisite Courses:

CSC 231 with a minimum grade of "C" and MAT 161, or instructor approval.

Course Repeatability: Course may not be repeated.

CSC 310 - Introduction to Quantum Computing

Course Description:

Introduction to Quantum Computing. Topics include an introduction to quantum mechanics, Quantum Computer technologies, models for describing qubits, gates, and operations, superposition, entanglement, teleportation, quantum supremacy, and quantum algorithms.

Credit Hours: 3 Prerequisite or Corequisite Courses:

CSC 131 and (MAT 161 or higher) or instructor approval

Course Repeatability: Course may not be repeated.

CSC 315 - Mobile Application Development

Course Description:

Concepts and technologies for developing applications on mobile devices, including mobile-platform programming, memory-management, object-oriented paradigms, model-view-controller design, mobile-centric frameworks for networking, multimedia, location-based services, and interface design. Application design, programming, and implementation for a current mobile platform.

Prerequisite Courses:

CSC 331 with a minimum grade of "C".

Course Repeatability: Course may not be repeated.

CSC 320 - Computer Animation

Course Description:

Basic principles of animation using 3-D computer-generated animation and basic processes for animating synthetic objects through structured exercises. Principles of designing and producing 3-D computer-generated animation through the creation of advanced motion studies. Projects focus on developing higher-level skills in model building, animation and color, and lighting.

Credit Hours: 3 Prerequisite Courses:

CSC 220

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Crosslisting:

ART 320 , FST 320

Course Repeatability: Course may not be repeated.

CSC 322 - Data & Machine Learning

Course Description:

Concepts/techniques in machine learning and multidisciplinary applications. Topics include data cleaning/transformation; data visualization; association/correlation rules; data classification and predictive modeling (such as SVMs); performance analysis and scalability; data mining with tabular, multi-dimensional and unstructured data, including text, audio, images; big-data frameworks (such as Spark, Hadoop, HIVE, Pig); and emerging themes and challenges.

Credit Hours: 3 Prerequisite Courses:

(CSC 231 or ISE 221) and MAT 161, or instructor approval.

Course Repeatability: Course may not be repeated.

CSC 324 - Cyber Operations

Course Description:

Cyber Operations will introduce various cyber operations concepts, with specific focus on the computing aspects. Topics covered will include: Basics of cyber operations including an overview of cybercrime; malware analysis; intrusion detection and prevention; web application security; cybersecurity ethics.

Credit Hours: 3 Prerequisite Courses:

CSC 242 .
Course Repeatability: Course may not be repeated.

CSC 331 - Object-Oriented Programming and Design

Course Description:
Object-oriented programming with a focus on software modeling of objects, classes, methods, inheritance, interfaces, polymorphism, and multi-threading. Completion of a team software project is required.
Credit Hours: 3 Prerequisite Courses:
CSC 231 with a minimum grade of C.
Additional Restrictions/Requirements:
A grade of 'C' (2.00) or better is required for taking courses for which CSC 331 is a prerequisite.
Course Repeatability: Course may not be repeated.

CSC 340 - Scientific Computing

Course Description:
Introduction to the design, application, and performance of numerical algorithms fundamental to scientific computation. Topics may include error and error propagation; matrix applications such as finding solutions to linear systems, finding eigenvalues and eigenvectors, or finding linear principal components; optimization; basic Markov modeling; Fourier processing; and curve fitting. Emphasizes relative merits and implementations of algorithms.
Credit Hours: 3 Prerequisite Courses:
CSC 231 with a minimum grade of C and MAT 162
Course Repeatability: Course may not be repeated.

CSC 342 - Operating Systems

Course Description:
Study of the internal operations of operating system. Topics include system services; CPU scheduling; multi-core scheduling; threading; computer security; privileges vs. user modes; memory management; virtual memory; file systems; disk scheduling; concurrent processes; semaphores; critical sections; synchronization.
Credit Hours: 3 Prerequisite or Corequisite Courses:
CSC 331 with a minimum grade of "C", or instructor approval.

Prerequisite Courses:

CSC 242 .

Course Repeatability: Course may not be repeated.

CSC 344 - Computer Networks

Course Description:

Introduction to computer networks, focusing on Internet architecture and protocols. Topics include layered network architectures, addressing, naming, forwarding, routing, communication reliability, client-server model, distributed computing, web and email protocols, and network security. Students acquire practical experience by using a network protocol analyzer and programming reduced versions of real Internet protocols.

Credit Hours: 3 Prerequisite or Corequisite Courses:

CSC 231 or CYBR 251, or instructor approval.

Course Repeatability: Course may not be repeated.

CSC 350 - Secure Programming

Course Description:

Foundation for programming secure software applications. Introduction to the mechanics of code exploitation, including programming principles that guard against software vulnerabilities. Considers overflows, input sanitization, password security, command injection, web application vulnerabilities, development and testing for secure software and sound security fundamentals, and core concepts in web applications and database development.

Credit Hours: 3 Prerequisite Courses:

CSC 331 with a minimum grade of "C" or instructor approval.

Course Repeatability: Course may not be repeated.

CSC 351 - Applied Software Security

Course Description:

Introduction to the development of secure software applications. Consideration of software vulnerability analysis, secure programming best practices, overflows, input sanitization, password security, command injection, database development, and web application development and vulnerabilities. Design, analysis, and implementation of a secure web application.

Credit Hours: 3 Prerequisite Courses:

CSC 231 with a grade of C or better, or CYBR 251 with a grade of C or better, or instructor approval.

Course Repeatability: Course may not be repeated.

CSC 355 - Database Design and Implementation

Course Description:

Introduction to database concepts and database management systems. Topics include data models (hierarchical, network, relational, parallel, distributed and NoSQL), data modeling, data description languages, data manipulation languages, database administration, data warehouses, and front-end development. A group project designing and implementing a relational database is required.

Prerequisite Courses:

CSC 231 (with a minimum grade of C)

Additional Restrictions/Requirements:

Junior or senior standing, or permission of instructor**.**

Course Repeatability: Course may not be repeated.

CSC 360 - Formal Languages and Computability

Course Description:

An introduction to theoretical computer science. Topics include regular expression and finite state concepts; basic automata theory; formal grammars and languages; computability; Turing machines; elementary recursive function theory.

Credit Hours: 3 Prerequisite Courses:

CSC 231 with a minimum grade of C and CSC 242

Course Repeatability: Course may not be repeated.

CSC 364 - Introduction to Cryptography

Course Description:

Formalizing security, hash functions, symmetric and public-key encryptions are some of the main topics of this course. Early ciphers like the Caesar shift and the Vigenère cipher and modern techniques like RSA, Diffie-Hellman protocol and their theoretical foundations, practical applications and the vulnerabilities of each encryption system will be discussed.

Credit Hours: 3 Prerequisite Courses:

CSC 133 and CSC 231 with a grade of C or higher or CYBR 251 with a grade of C or higher.
Course Repeatability: Course may not be repeated.

CSC 365 - Client-Side Web Development

Course Description:
Development of applications for the World Wide Web focusing on client-side languages. Introduction to current principles, standards, and best practices in website design, usability, accessibility, and management through project-based skills. Development in standards-compliant markup, styling, and scripting, including web services programming.
Credit Hours: 3 Prerequisite Courses:
CSC 231 or permission of instructor.
Course Repeatability: Course may not be repeated.

CSC 368 - Visual Design for Multi-Media

Course Description:
Combined studio/lecture course that examines technologies and basic principles of the Internet specific to visual interface design and interactivity. Topics covered include technical, functional, and aesthetic issues related to basic graphic design and page design principles; site planning and implementation; graphic production using software and designing for user experience.
Credit Hours: 3 Prerequisite Courses:
CSC 231 with a minimum grade of "C" and ART/CSC/FST 220
University Studies: ["Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

CSC 370 - Computer Graphics

Course Description:
Introduction to geometric modeling for graphic programming. Topics include transformations for modeling, viewing, and projection; geometric modeling of curves and surfaces; hidden-surface removal; clipping; graphical buffers; material simulation; texture mapping; and lighting.
Credit Hours: 3 Prerequisite Courses:
CSC 231 with a minimum grade of C and MAT 162

Course Repeatability: Course may not be repeated.

CSC 371 - Game Engine Programming

Course Description:

Coverage of practical concepts related to game engine development. Topics include collision detection, rigid body motion, physics simulations, animation systems, audio, rendering, and game loop architecture.

Prerequisite Courses:

CSC 231 (with a minimum grade of C) and MAT 162

Course Repeatability: Course may not be repeated.

CSC 380 - Design and Analysis of Algorithms

Course Description:

Algorithm design paradigms such as divide and conquer, greedy, and dynamic programming; techniques for algorithm analysis, such as asymptotic notations and estimates, as well as time/space trade-offs. Topics may include sorting, searching, scheduling, string matching, graph algorithms, amortized analysis, and computational geometry.

Credit Hours: 3 Prerequisite Courses:

CSC 133 and CSC 231 with a minimum grade of C and MAT 161

Course Repeatability: Course may not be repeated.

CSC 385 - Professional and Ethical Issues in Computing

Course Description:

Professional and ethical issues arising from the impact of computer science and related technologies on society. Topics include ethical issues, obligations of professional practice, privacy and security, intellectual property, work and health issues, and the impact of emerging technologies. Students give both oral and written presentations and discuss case studies.

Credit Hours: 3 Prerequisite Courses:

ENG 101, and (CSC 131 with a minimum grade of "C").

Additional Restrictions/Requirements:

Junior or senior standing in computer science or information technology or Digital Arts or Software Engineering

University Studies: ["Building Competencies/Writing Intensive", "Building

Competencies/Information Literacy"] Course Repeatability: Course may not be repeated. Major Restriction: Computer Science or Information Technology or Digital Arts or Software Engineering Minor Restriction: Computer Science or Information Technology or Digital Arts or Software Engineering

CSC 402 - Advanced Artificial Intelligence

Course Description:

Advanced principles related to the field of Artificial Intelligence. Applications of AI in game trees, decision systems, artificial neural networks, Bayesian networks, intelligent multi-agent systems and fundamentals of reinforcement learning.

Credit Hours: 3 Prerequisite Courses:

CSC 302 , or instructor approval.

Course Repeatability: Course may not be repeated.

CSC 421 - Game Development

Course Description:

Design and implementation of computer games, including design, modeling, and animation of meshes for game characters and environments using 3D software, scene and object representation, graphics pipeline, collision detection, picking, graphics optimization, basic physics and Artificial Intelligence for games, and code modifications and additions for a game engine.

Credit Hours: 3 Prerequisite or Corequisite Courses:

CSC 320 or CSC 370 .

Prerequisite Courses:

CSC 220 and (CSC 331 with a minimum grade of C).

Course Repeatability: Course may not be repeated.

CSC 424 - Security Tools Engineering

Course Description:

Design and implementation of software solutions to achieve security goals using data captured on computer systems and networks. Topics include advanced network forensics, network defense tools and principles, and advanced intrusion detection and prevention implementations.

Credit Hours: 3 Prerequisite Courses:

(CSC 231 with a C or better or CYBR 251 with a C or better) and (CSC 344 or MIS

320)
Crosslisting:
CYBR 424.
Course Repeatability: Course may not be repeated.

CSC 427 - Quantum Cryptography

Course Description:
Explores the use of quantum effects, such as quantum entanglement and uncertainty, to implement cryptographic tasks with levels of security that are impossible to achieve classically. Quantum cryptography is an alternative approach in which cryptographic schemes that are resistant to quantum adversaries are proposed.
Credit Hours: 3 Prerequisite Courses:
CSC 364 .
Course Repeatability: Course may not be repeated.

CSC 430 - Digital Visual Effects

Course Description:
Exploration of digital image and video representation and manipulation for motion-picture visual effects. Topics include image storage and compression, film and video formats, compositing, filtering, scripting for graphics and visual effects, photorealistic lighting and rendering, virtual cinematography, camera tracking, and particle effects.
Credit Hours: 3 Prerequisite Courses:
(CSC 370 or ART 320 or FST 320), or CSC 370 .
Crosslisting:
FST 430
Course Repeatability: Course may not be repeated.

CSC 432 - Deep Machine Learning

Course Description:
Advanced topics in deep machine learning and exploration of innovative paradigms that illuminate the future of machine learning. Capstone format emphasizing experiential approaches to solving real problems with deep machine learning.
Credit Hours: 3 Prerequisite Courses:
CSC 322 or Instructor Approval

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

CSC 433 - Natural Language Processing

Course Description:
Introduction to natural language processing, computational linguistics, and speech recognition. Exploration of both symbolic and stochastic algorithms for processing human languages. Topics include parsing, part of speech tagging, semantic representation, pragmatic analysis, discourse structure, machine translation, n-gram statistical models, Hidden Markov Models, and other stochastic techniques.
Credit Hours: 3 Prerequisite Courses:
Prerequisite: CSC 331 with a minimum grade of C. Prerequisite or Corequisite: CSC 360 , or instructor approval.
Course Repeatability: Course may not be repeated.

CSC 434 - Programming Languages

Course Description:
Comparative study of programming languages from both theoretical and applied viewpoints. Typical issues include syntax and semantics, scope and binding times, storage allocation, parameter-passing techniques, control structures, run-time representation of programs and data. Detailed examples from the imperative, functional, parallel, object-oriented, and logical programming paradigms.
Credit Hours: 3 Prerequisite Courses:
CSC 331 with a minimum grade of C and CSC 360
Course Repeatability: Course may not be repeated.

CSC 437 - Parallel Computing

Course Description:
Implementation of scientific algorithms in parallel. Use of shared-memory, distributed-memory, and multicore technologies. Study of techniques for improved performance and issues related to speedup and slowdown.
Credit Hours: 3 Prerequisite Courses:
CSC 340
Crosslisting:
CSC 537
Course Repeatability: Course may not be repeated.

CSC 442 - Computer System Architecture

Course Description:

Advanced study of the architecture of computer systems. Common processor organizations, hardwired and micro-programmed control, input/output subsystem; bus control; programmed I/O; DMA and interrupts; memory subsystem; interleaved, cache and associative memory; cache design; instruction pipelines, arithmetic pipelines, and their scheduling, RISC and CISC architectures, common multiprocessor architectures.

Credit Hours: 3 Prerequisite Courses:

CSC 342

Course Repeatability: Course may not be repeated.

CSC 446 - Grid Computing

Course Description:

Grid computing software components, standards, web services, security mechanisms, schedulers, resource brokers, workflow editors, grid portals, and grid computing applications.

Credit Hours: 3 Prerequisite Courses:

CSC 380

Crosslisting:

CSC 546

Course Repeatability: Course may not be repeated.

CSC 450 - Software Engineering

Course Description:

Study of the design and production of large and small software systems. Topics include systems engineering, software life-cycle and characterization, use of software tools, and software quality attributes including product security. Substantial software project required.

Credit Hours: 3 Prerequisite Courses:

CSC 331 with a minimum grade of C.

Additional Restrictions/Requirements:

Senior standing.

University Studies: ["Building Competencies/Writing Intensive", "Explorations Beyond the Classroom", "Critical Reasoning"] Course Repeatability: Course may not be repeated. Major Restriction: Computer Science, B.S., Three-Plus-Two Computer Science and Electrical or Computer Engineering Program Minor Restriction: Computer Science

CSC 451 - Software Assurance

Course Description:

Introduction to quality assurance, reliability, security in software engineering. Topics include quality/security requirements and specifications; design and code review; techniques for static and dynamic analysis of software; software metrics; advanced testing techniques; reliability growth modeling. Emphasis on software security engineering provided, including threat modeling, secure design principles, secure development processes. Course provides practical application of strategies and principles learned.

Credit Hours: 3 Prerequisite Courses:

Prerequisite or Corequisite: CSC 450 , or instructor approval.

Course Repeatability: Course may not be repeated.

CSC 452 - Computer Vision

Course Description:

Analysis of how real-world information can be computationally extracted from visual data. Foundation in digital image formation and processing, feature extraction and matching, and classification. Examination of a focused area of computer vision in-depth and analysis of classical and learning-based methods for performing a specific task such as object/scene recognition and retrieval, video tracking, or 3D reconstruction.

Credit Hours: 3 Prerequisite Courses:

CSC 340 or ISE 251, or instructor approval.

Course Repeatability: Course may not be repeated.

CSC 457 - Compiler Construction

Course Description:

Study of programming language translation. Organization of a compiler including symbol tables, lexical scan, syntax scan, object code generation, error diagnostics, object code optimization, and overall design; compilation of simple expressions and

statements; use of compiler writing tools. Substantial software project required.
Credit Hours: 3 Prerequisite Courses:
CSC 434
Additional Restrictions/Requirements:
Senior standing.
Course Repeatability: Course may not be repeated.

CSC 458 - Software Practicum

Course Description:
Capstone experience that applies skills acquired across the CSC major. Students define, implement, and test a software system created for an external customer. Software engineering concepts and techniques applied in a team project with a sizable software deliverable. All aspects of the software lifecycle are implemented.
Credit Hours: 3 Prerequisite Courses:
CSC 450 .
University Studies: ["Common Requirements/Critical Reasoning", "Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated.

CSC 461 - Virtual Reality

Course Description:
Study of the fundamentals of virtual reality (VR) and virtual environment technology (VET). Topics include human perception and cognition; scientific research, training, and industry; building good user experiences; and other topics. Students are required to develop a VR-based application as a final project and paper.
Credit Hours: 3 Prerequisite Courses:
CSC 331 with a grade of "C" or better.
Course Repeatability: Course may not be repeated.

CSC 464 - Advanced Cryptography and Cryptanalysis

Course Description:
Examination of advanced constructs in modern cryptography, including Diffie-Hellman key exchange, Merkle trees, ElGamal encryption, and fully homomorphic encryption. Introduction to cryptanalysis techniques for analyzing and decoding ciphers.
Credit Hours: 3 Prerequisite Courses:

CSC 364
Course Repeatability: Course may not be repeated.

CSC 465 - Server-Side Web Development

Course Description:
Hands-on development of dynamic web applications via server-side languages and corresponding database APIs; implementation of industry best practices regarding data; secure authentication; digital certificates; session-handling; introduction to cryptography and e-commerce. Practical experience with form validation and website security using database principles and query techniques.
Credit Hours: 3 Prerequisite or Corequisite Courses:
CSC 365 or permission of instructor.
Course Repeatability: Course may not be repeated.

CSC 466 - Malware Analysis

Course Description:
Fundamentals of basic malware analysis through static and behavioral analysis of malicious software. Coverage of the compilation process that takes human readable code to compiled machine readable code and to numerous tools used for malware analysis.
Credit Hours: 3 Prerequisite Courses:
((CYBR 251 with a C or higher or CSC 231 with a C or higher) and (CSC 344 or MIS 320)) or ISE 250
Course Repeatability: Course may not be repeated.

CSC 468 - Reverse Engineering

Course Description:
Coverage of the binary analysis skills necessary to discover the true nature of any executable binary. Examination of the high-level language constructs, including branching statements, looping functions and network socket code, critical to performing a thorough and professional reverse engineering analysis of a binary file.
Credit Hours: 3 Prerequisite Courses:
CYBR 251 with a C or better or (CSC 231 with a C or better and CSC 242) or ISE 250
Course Repeatability: Course may not be repeated.

CSC 470 - Hardware Security

Course Description:

Overview of computer hardware security. Topics include side channel attacks, physical unclonable functions, TRNG, supply chain management, hardware Trojans, the power grid, and smart cities.

Credit Hours: 3 Prerequisite Courses:

((CYBR 251 with a C or better or CSC 242) and (CSC 344 or MIS 320)) or ISE 250

Course Repeatability: Course may not be repeated.

CSC 471 - Real Time Programming for Gaming Systems

Course Description:

Application of software engineering methods to develop complex scene and character reactions in real time under frame rate management and time constraints. Considers project management, time and frame rate management, low polygon asset construction, 3D environment building, latency and playback improvement, design, development, testing, production, and game engine maintenance.

Credit Hours: 3 Prerequisite Courses:

CSC 370 or CSC 371

Course Repeatability: Course may not be repeated.

CSC 472 - Generative Deep Learning

Course Description:

Introduction to deep learning tools for generation of images, text data, music, and autonomous vehicle controls. Explores the difference between discriminative models and generative models. Topics include the design and construction of models using autoencoders, variational autoencoders, generative and adversarial networks. Requires a generative capstone project.

Credit Hours: 3 Prerequisite Courses:

(CSC 340 or ISE 251), and CSC 322, or instructor approval.

Course Repeatability: Course may not be repeated.

CSC 475 - Topics in Computer Science

Course Description:

Topics of current interest in computer science not covered in existing courses. May

be repeated under a different subtitle.

Credit Hours: 1 to 4 Additional Restrictions/Requirements:

Senior standing and consent of instructor.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 8 Repeat Limit: 2

CSC 491 - Directed Individual Study

Course Description:

Investigation under faculty supervision beyond what is offered in existing courses. Written experience report and oral presentation required. For further information, consult the

Depending on their interests and abilities, UNCW students may choose from several kinds of special courses and programs to individualize and otherwise enrich their studies.

- This course, designated as 491 in each department, involves investigation beyond what is offered in existing courses. To enroll in a Directed Individual Study, students must be a junior or senior. Additionally, students must have an overall grade point average of at least 2.00 and the approval of (1) the faculty member who will direct the study, (2) the departmental chairperson, and (3) the appropriate dean. Departmental criteria will include (1) the availability of the instructor (instructors may only supervise a limited number of independent studies each semester), (2) the appropriateness of and need for the proposed study in the student's program, (3) the availability of library and other research resources, and (4) the feasibility of completion of the proposed study in the allotted time. Students are limited to nine credit hours of Directed Individual Study toward graduation requirements.

- Several departments within the College of Humanities, Social Sciences, and the Arts and the professional schools offer field experience courses as part of their semester or summer programs. Participating students conduct individual or group research under faculty guidance at selected areas within and outside the continental United States. Apart from the greater Wilmington area, field experience courses have been conducted in such places as the Florida Keys, Barbados, the Bahamas, Portugal, and parts of Central and South America.

- Raymond L. Burt, *coordinator*

The German Studies Consortium links participating UNC institutions to facilitate the sharing of teaching and learning resources to enhance German Studies across The University of North Carolina system. This consortium offers a broad array of German Studies courses in the language, literature, and culture of the German-speaking countries taught by specialists in the field. The primary focus is on the sharing of upper-level German classes offered each semester on the North Carolina Information Superhighway. Participant universities include Appalachian State University, East Carolina University, North Carolina State University, the University of North Carolina at Asheville, the University of North Carolina at Charlotte, the University of North Carolina at Greensboro, University of North Carolina Wilmington, and Western Carolina University. For course details, visit the UNC Online Exchange.

- Regina Felix, *coordinator*
  The Portuguese Exhange links participating UNC institutions to facilitate the sharing of teaching and learning resources to enhance Portuguese language and Portugurese and Brazilian Studies across the University of North Carolina system. This exchange offers courses in the language, literature, and culture of the Portuguese-speaking countries taught by specialists in the field. Participant universities include Appalachian State University, North Carolina State University, the University of North Carolina Asheville, the University of North Carolina at Chapel Hill, the Unversity of North Carolina at Charlotte, the University of North Carolina Wilmington, and Winston Salem State University. For course details, visit the UNC Online Exchange.

- Dave Graber, *coordinator*
  The Russian Studies Consortium links participating UNC institutions to facilitate the sharing of teaching and learning resources to enhance Russian Studies across The University of North Carolina system. This consortium offers a broad array of Russian Studies courses in the language, literature, history, film, society, and culture in the Russian-speaking countries, which can be taught in the target language and/or in translation by specialists with credentials in Russian Studies. The primary goal focuses on the sharing of elementary, intermediate, and upper level Russian Studies classes offered each semester as well as summer session

courses on the North Carolina Information Superhighway and/or fully online. Participant universities include Appalachian State University, East Carolina University, North Carolina State University, The University of North Carolina at Charlotte, The University of North Carolina at Greensboro, and The University of North Carolina Wilmington. Courses are offered through the UNC Online Exchange.

- Raymond L. Burt, UNCW *coordinator*
  The UNC Language Assembly is a cooperative of the language departments of all 17 campuses of the UNC System, and serves the UNC System and the State of North Carolina by supporting the foreign language programs at the constituent institutions and by seeking to offer a wide diversity of foreign language choices to the students at all the UNC campuses. Students are not required to pay tuition at the other campus, since UNCW tuition applies to these courses as well. Courses are taught online or through videoconference technology. Students can directly enroll in language classes offered by campuses through the UNC Online Exchange.

- https://uncw.edu/myuncw/academics/graduate-school/forms

Graduate Courses Taken for Undergraduate Credit

Graduate courses at UNCW or other accredited institutions may be used to fulfill undergraduate requirements if approved by the course instructor, student's department chair, undergraduate dean, and the dean of the Graduate School. All other transfer credit policies apply. Permission forms may be obtained on the Graduate School forms page under the "Undergraduate Registration for Graduate Courses" section at https://uncw.edu/myuncw/academics/graduate-school/forms.

Graduate Course Taken as an Undergraduate to Later Apply to a Graduate Degree

Undergraduate students who wish to take graduate courses and later receive graduate credit for them must fill out a Docusign to obtain permission in advance from the course instructor, student's department chair and undergraduate dean, and the Graduate School for approval. Graduate courses taken under this provision may not be used to fulfill undergraduate degree requirements. Permission forms may be obtained on the Graduate School form page under the "Undergraduate Registration for Graduate Courses"
section https://uncw.edu/myuncw/academics/graduate-school/forms.

Credit for Approved Combined Degree Programs

Graduate courses used to fulfill an undergraduate degree requirement at UNCW may be applied to a graduate degree only when taken as part of an approved combined degree program. Courses applied toward an awarded degree may not be applied to a second degree except as described by specific degree programs.

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https://www.uncw.edu/global/
The Office of Global Partnerships and International Education is comprised of three units: Education Abroad, English Language Center, and the Office of International Students & Scholars.

Education Abroad

UNCW offers more than 800 education abroad opportunities in more than 50 countries. Options available include coursework taken abroad, international internships for academic credit, credit-bearing service-learning experiences, academic research, and virtual global learning opportunities. UNCW provides

education abroad opportunities to suit nearly every major and credit earned through international programs may be applied towards a UNCW degree. Financial aid may be used in conjunction with education abroad programs and scholarships are available. Students may select from short-term and summer programs, as well as semester, year-long and two-year dual degree options.

All applications for any credit-bearing program abroad must be made through the Office of Global Partnerships and International Education.

UNCW students who study abroad retain their active UNCW student status and will not have to re-enroll upon return.

Eligibility requirements include:

- 18 years of age at the time of participation
- Good disciplinary standing
- 2.5+ cumulative grade point average
- Sophomore+ status (select programs are open to first-year students)
- Any program-specific requirements
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Several programs in the College of Humanities, Social Sciences, and the Arts, College of Science and Engineering, College of Education, College of Health and Human Services, and the Cameron School of Business offer students the opportunity to earn academic credit within a work environment external to the program. The purpose of the internship experience is to enhance, supplement, and integrate the learning that occurs in formal classroom settings. Permission of the dean and program offering the internship is required to enroll, and the program places limits on the number of credit hours earned applicable toward graduation. Internships designated by a 498 number will be graded on a Pass (P), Fail (F) basis. These credit hours earned will count towards the number of hours required to graduate, but the grade of Pass (P) will be excluded from the computation of the GPA. For further information on internships, refer to the courses numbered 498 in the course listings and then contact the departments offering them.

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The North Carolina Child Welfare Education Collaborative is a university-agency partnership that ensures a quality work force in child welfare settings. The educational goal of this program is to directly address the workforce need for social workers in child welfare settings. Administered by the Jordan Institute for Families, the collaborative includes North Carolina social work education programs, the NC

Division of Social Services, the NC Association of County Directors of Social Services and the NC Chapter of the National Association of Social Workers. Educating, training, and supporting current and future social workers in child welfare meets the goal of strengthening families and protecting children. The collaborative offers focused educational courses, training and field experience in child welfare agencies. Participating universities include Appalachian State University, University of North Carolina at Chapel Hill, East Carolina University, North Carolina State University, Joint Masters of Social Work Program at University of North Carolina at Greensboro and North Carolina Agricultural and Technical State University, and University of North Carolina Wilmington.

- The Reverse Transfer Program is a collaborative effort between North Carolina's Community Colleges and the University of North Carolina's 16 constituent institutions. Students who transfer to UNC Wilmington from one of the 58 North Carolina community colleges are given the opportunity to combine the credits earned at UNCW with credit already earned at the community college to determine if the associate degree requirements have been met. Students have the opportunity to opt-in to this program at the time of admission as a transfer student. There is no cost to participate. For more information, contact the Office of the Registrar. **Eligibility:** Students must have earned at least 16 college-level credit hours at one community college applicable towards their degree, to be eligible to participate. After earning a total of 60 combined credits, the student's UNCW records will be sent back to their previous community college for evaluation. The community college will contact students via their UNCW email, with further details, if the Associate degree is awarded.

- Several UNCW courses employ service-learning opportunities. Service learning is an innovative method of teaching and learning that combines thoughtfully organized service to the community with other means of instruction. Community service-projects are integrated into and enhance the academic curriculum of students, fitting naturally into the philosophy and pedagogy of a variety of disciplines and fostering civic responsibility. Both students and the community benefit from service learning. Service-learning courses have several strengths, not the least of which is that they are adaptable to the needs of the community while providing structured

time for the students to reflect on the service experience.

section in this catalogue.
Credit Hours: 1 To 3 Additional Restrictions/Requirements:
Junior or senior standing, overall GPA of at least 2.00 and a GPA in CSC courses of at least 2.80, and consent of instructor, department chair, and dean.
University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

CSC 495 - Seminar in Computer Science

Course Description:
Research and discussion of selected topics in computer science. Oral presentation required.
Credit Hours: 1 Additional Restrictions/Requirements:
Junior or senior standing and consent of instructor.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 3

CSC 498 - Internship in Computer Science

Course Description:
Academic training and practical experience through work in a private company or public agency. Faculty supervision and evaluation of all study and on-site activity. Open to students of junior or senior standing who have been approved by the faculty supervisor, department chair, and dean. Written experience report and oral presentation required.
Credit Hours: 1 To 3 Additional Restrictions/Requirements:
Junior or senior standing, overall GPA of at least 2.50 and a GPA in CSC courses of at least 2.80.
University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated. Additional Course Fees: ["Student Blanket Professional Liability Insurance"]
Additional Fees Link:
Additional Course Fee Schedule

CSC 499 - Honors Work in Computer Science

Course Description:
Individual study for honors students.
Credit Hours: 2 To 3 Additional Restrictions/Requirements:

Eligibility for honors program.
University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

CYBR 201 - Fundamentals of Cybersecurity

Course Description:
Introduction to fundamental cybersecurity concepts. Exploration of the basic security design principles needed to create systems worthy of trust. Introduction to IT system components and their roles in system operation. Consideration of the processes and regulations associated with operational analysis and evaluation, including approval authorities and processes.
Credit Hours: 3 University Studies: ["Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

CYBR 202 - Cyber Policy, Legal, Ethics, Compliance

Course Description:
Exploration of the intersection between cybersecurity and policy, law, ethics, privacy, compliance, and law enforcement. Examination of applicable laws and policies related to cyber defense. Topics include privacy and the internet, the effectiveness of cybersecurity applications in preventing crime and abuse, and the application of ethical concepts in cybersecurity.
Credit Hours: 3 Prerequisite or Corequisite Courses:
CYBR 201 .
University Studies: ["Approaches and Perspectives/Understanding Human Institutions and Behaviors"] Course Repeatability: Course may not be repeated.

CYBR 245 - Cryptography and Data Security

Course Description:
Introduction to basic concepts in cryptography, including encryption/decryption, sender authentication, data integrity, non-repudiation, attack classification (ciphertext-only, known plaintext, chosen plaintext, chosen ciphertext), secret key (symmetric) cryptography and public key (asymmetric) cryptography, and information-theoretic security (one-time pad, Shannon Theorem). Introduction to data security topics authenticity, anonymity, and integrity.
Credit Hours: 3 Prerequisite Courses:

CYBR 201 with a C or better and CSC 131 with a C or better.
Additional Restrictions/Requirements:
CYBR 201 with a C or better and CSC 131 with a C or better.
Course Repeatability: Course may not be repeated.

CYBR 251 - Secure Programming Foundations

Course Description:
Exploration of programming and machine constructs behind code vulnerabilities and best practices for developing secure programs. Introduction to low-level code mechanics in C and assembly language frequently leveraged in code exploitation. Study of programming principles that guard against software vulnerabilities, including pointers, hardware control, overflows, input sanitization, data obfuscation, secure design, and static analysis.
Credit Hours: 3 Prerequisite Courses:
CSC 131 .
Course Repeatability: Course may not be repeated.

CYBR 325 - Secure Database Management

Course Description:
Introduction to database security theories and applications. Consideration of threats in database systems and applications of security concepts. Topics include data integrity and authentication, and information storage security.
Credit Hours: 3 Prerequisite Courses:
CIT 110 , MIS 213 , or CYBR 201 .
Course Repeatability: Course may not be repeated.

CYBR 340 - Cybersecurity Program Management

Course Description:
Explores methods used to raise general security awareness. Reviews current industry practices, contingency planning, and systems specific plans (e.g., change management). Examines the roles involved in planning and managing security. Students develop necessary skills to adapt policies to achieve confidentiality, integrity, and availability of organizational assets and data.

Credit Hours: 3 Prerequisite Courses:

CYBR 322

Additional Restrictions/Requirements:

Admission to the Cameron School of Business or declared BS Cybersecurity or declared BS Information Technology or declared BS Computer Science or declared BS Intelligent Systems Engineering or declared Cybersecurity minor

Course Repeatability: Course may not be repeated. Major Restriction: BS Cybersecurity or BS Information Technology or BS Computer Science or BS Intelligent Systems Engineering or BS Business Administration Minor Restriction: Cybersecurity

CYBR 343 - Systems Security

Course Description:

Application of security concepts to ensure the confidentiality, integrity, and availability of the computer operating system. Operating systems/security concepts are applied in the context of operating system hardening.

Credit Hours: 3 Prerequisite Courses:

(MIS 352 and CIT 225) or (CSC 242 and CYBR 201)

Course Repeatability: Course may not be repeated.

CYBR 354 - Computer and Mobile Forensics

Course Description:

Introduction to the concepts in computer and forensics investigations. Recovery and analysis of digital evidence using industry best practices and standard commercial and open source tools. Development of comprehensive investigative forensic reports. Coverage of the legal and ethical considerations of computer crime investigations.

Credit Hours: 3 Prerequisite Courses:

CYBR 343 and CSC 344 or MIS 320

Course Repeatability: Course may not be repeated.

CYBR 358 - Cyber Operations

Course Description:

Introduction to cyber operations concepts, with specific focus on the computing aspects. Topics include: Basics of cyber operations including a cyber operations procedures, applicable laws, and information assurance, and information assurance architectures.

Credit Hours: 3 Prerequisite or Corequisite Courses:

CYBR 343

University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

CYBR 424 - Security Tools Engineering

Course Description:

Design and implementation of software solutions to achieve security goals using data captured on computer systems and networks. Topics include: advanced network forensics, network defense tools and principles, and advanced intrusion detection and prevention implementations.

Credit Hours: 3 Prerequisite Courses:

(CSC 231 with a C or better or CYBR 251 with a C or better) and (CSC 344 or MIS 320)

Crosslisting:

CSC 424 .

Course Repeatability: Course may not be repeated.

CYBR 431 - Cloud Security

Course Description:

Introduction to cloud security architecture and exploration of the guiding security design principles, design patterns, industry standards, and associated technologies. Study of regulatory compliance requirements critical to the design, implementation, delivery, and management of secure cloud-based services.

Credit Hours: 3 Prerequisite Courses:

CIT 301 .

Course Repeatability: Course may not be repeated.

CYBR 432 - SOC Operations

Course Description:

Introduction to security operations centers (SOC). Study of processes used for operations such as incident response, vulnerability assessment, and threat investigation. Introduction to software tools to manage SOC activities such as security information and event management (SIEM) systems, vulnerability scanners, intrusion detection systems (IDS), and intrusion prevention systems (IPS).

Prerequisite Courses:

CYBR 202 , CYBR 365 and CYBR 366

Additional Restrictions/Requirements:

Admission to Cameron School of Business or declared Cybersecurity major or declared Information Technology major or declared Cybersecurity minor

Course Repeatability: Course may not be repeated. Major Restriction: BS Cybersecurity or BS Information Technology Minor Restriction: Cybersecurity

CYBR 435 - Cyber Fraud and Investigation

Course Description:

Investigation of cyber fraud, and the study of plans and processes for a holistic approach to preventing and mitigating fraud throughout the system lifecycle. Specific attention paid to financial fraud and the application of forensics techniques to respond to and investigate financial incidents.

Credit Hours: 3 Prerequisite Courses:

ACG 201 , FIN 335 , CYBR 202 , and (STT 215 or BAN 280).

Course Repeatability: Course may not be repeated.

CYBR 437 - Supply Chain Cybersecurity

Course Description:

Explores security issues associated with building complex systems out of third-party components; the authorities and processes for the approval of their operation; how security principles can be applied to improve security throughout the system or product lifecycle; and the basics of industrial control systems and vulnerabilities they are likely to have.

Credit Hours: 3 Prerequisite Courses:

CYBR 202 and CYBR 322

Additional Restrictions/Requirements:

Admission to the Cameron School of Business or declared BS Cybersecurity or declared BS Information Technology or declared BS Computer Science or declared BS Intelligent Systems Engineering or declared Cybersecurity minor

Course Repeatability: Course may not be repeated. Major Restriction: BS Cybersecurity or BS Information Technology or BS Computer Science or BS Intelligent Systems Engineering or BS Business Administration Minor Restriction: Cybersecurity

CYBR 440 - Cyber Risk

Course Description:

Introduction to risk assessment models, methodologies, and processes. Examination of how cybersecurity risks are part of an organizations' overall risk. Study of the techniques and guidelines used to perform a cybersecurity risk assessment of a system, process, or organization and appropriate mitigations.

Prerequisite Courses:

CYBR 245 and CYBR 322 and (MIS 320 or CSC 344)

Additional Restrictions/Requirements:

Admission to the Cameron School of Business or declared BS Cybersecurity or declared BS Information Technology or declared BS Computer Science or declared BS Intelligent Systems Engineering or declared Cybersecurity minor

Course Repeatability: Course may not be repeated. Major Restriction: BS Cybersecurity or BS Information Technology or BS Computer Science or BS Intelligent Systems Engineering or BS Business Administration Minor Restriction: Cybersecurity

CYBR 442 - Cyber Politics

Course Description:

Introduction to key aspects of cyberspace's emergence as the fifth domain of strategic warfare, the center of human communication, and an integral part of social governance. Study of cyber politics as an area related to political philosophy, international economics, and realpolitik in diplomacy and warfare.

Credit Hours: 3 Prerequisite Courses:

CYBR 202 .

Course Repeatability: Course may not be repeated.

CYBR 444 - Cyber Law and Cases

Course Description:

Introduction to the U.S state laws, federal laws, and regulatory policies, as well as international laws that regulate cyberspace activities. Coverage of cyberspace and the legal/policy background that individuals, businesses, and governments must understand to conduct cyber actions within the limits of legal authority.

Credit Hours: 3 Prerequisite Courses:

CYBR 322

Additional Restrictions/Requirements:

Admission to the Cameron School of Business or declared BS Cybersecurity or declared BS Information Technology or declared BS Computer Science or declared BS Intelligent Systems Engineering or declared Cybersecurity minor

Course Repeatability: Course may not be repeated. Major Restriction: BS Cybersecurity or BS Information Technology or BS Computer Science or BS Intelligent Systems Engineering or BS Business Administration Minor Restriction: Cybersecurity

CYBR 445 - Certified Information Systems Security Professional

Course Description:

Study of Certified Information Systems Security Professional (CISSP) domains.

Credit Hours: 3 Prerequisite Courses:

CYBR 322 and CYBR 324

Course Repeatability: Course may not be repeated. Major Restriction: BS Cybersecurity or BS Information Technology Minor Restriction: Cybersecurity or Cameron School of Business Admission

CYBR 446 - Certified Information Systems Auditor

Course Description:

Study of Certified Information Systems Auditor (CISA) domains.

Credit Hours: 3 Prerequisite or Corequisite Courses:

CYBR 340

Course Repeatability: Course may not be repeated. Major Restriction: BS Cybersecurity or BS Information Technology Minor Restriction: Cybersecurity or Cameron School of Business Admission

CYBR 475 - Topics in Cybersecurity

Course Description:

Topics of current interest in cybersecurity not covered in existing courses. May be repeated under different subtitles.

Credit Hours: 3 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 9 Repeat Limit: 3 Major Restriction: Open to cybersecurity majors only.

CYBR 491 - Directed Individual Study

Course Description:

Investigation under faculty supervision beyond what is offered in existing courses. Written experience report and oral presentation required. For further information, consult the

Depending on their interests and abilities, UNCW students may choose from several kinds of special courses and programs to individualize and otherwise enrich their studies.

- This course, designated as 491 in each department, involves investigation beyond what is offered in existing courses. To enroll in a Directed Individual Study, students must be a junior or senior. Additionally, students must have an overall grade point average of at least 2.00 and the approval of (1) the faculty member who will direct the study, (2) the departmental chairperson, and (3) the appropriate dean. Departmental criteria will include (1) the availability of the instructor (instructors may only supervise a limited number of independent studies each semester), (2) the appropriateness of and need for the proposed study in the student's program, (3) the availability of library and other research resources, and (4) the feasibility of completion of the proposed study in the allotted time. Students are limited to nine credit hours of Directed Individual Study toward graduation requirements.

- Several departments within the College of Humanities, Social Sciences, and the Arts and the professional schools offer field experience courses as part of their semester or summer programs. Participating students conduct individual or group research under faculty guidance at selected areas within and outside the continental United States. Apart from the greater Wilmington area, field experience courses have been conducted in such places as the Florida Keys, Barbados, the Bahamas, Portugal, and parts of Central and South America.

- Raymond L. Burt, *coordinator*

  The German Studies Consortium links participating UNC institutions to facilitate the sharing of teaching and learning resources to enhance German Studies across The University of North Carolina system. This consortium offers a broad array of German Studies courses in the language, literature, and culture of the German-speaking countries taught by specialists in the field. The primary focus is on the sharing of upper-level German classes offered each semester on the North

Carolina Information Superhighway. Participant universities include Appalachian State University, East Carolina University, North Carolina State University, the University of North Carolina at Asheville, the University of North Carolina at Charlotte, the University of North Carolina at Greensboro, University of North Carolina Wilmington, and Western Carolina University. For course details, visit the UNC Online Exchange.

- Regina Felix, *coordinator*
  The Portuguese Exhange links participating UNC institutions to facilitate the sharing of teaching and learning resources to enhance Portuguese language and Portugurese and Brazilian Studies across the University of North Carolina system. This exchange offers courses in the language, literature, and culture of the Portuguese-speaking countries taught by specialists in the field. Participant universities include Appalachian State University, North Carolina State University, the University of North Carolina Asheville, the University of North Carolina at Chapel Hill, the Unversity of North Carolina at Charlotte, the University of North Carolina Wilmington, and Winston Salem State University. For course details, visit the UNC Online Exchange.

- Dave Graber, *coordinator*
  The Russian Studies Consortium links participating UNC institutions to facilitate the sharing of teaching and learning resources to enhance Russian Studies across The University of North Carolina system. This consortium offers a broad array of Russian Studies courses in the language, literature, history, film, society, and culture in the Russian-speaking countries, which can be taught in the target language and/or in translation by specialists with credentials in Russian Studies. The primary goal focuses on the sharing of elementary, intermediate, and upper level Russian Studies classes offered each semester as well as summer session courses on the North Carolina Information Superhighway and/or fully online. Participant universities include Appalachian State University, East Carolina University, North Carolina State University, The University of North Carolina at Charlotte, The University of North Carolina at Greensboro, and The University of North Carolina Wilmington. Courses are offered through the UNC Online Exchange.

- Raymond L. Burt, UNCW *coordinator*
  The UNC Language Assembly is a cooperative of the language departments of all 17 campuses of the UNC System, and serves the UNC System and the State of North Carolina by supporting the foreign language programs at the constituent institutions and by seeking to offer a wide diversity of foreign language choices to the students at all the UNC campuses. Students are not required to pay tuition at the other campus, since UNCW tuition applies to these courses as well. Courses are taught online or through videoconference technology. Students can directly enroll in language classes offered by campuses through the UNC Online Exchange.

- https://uncw.edu/myuncw/academics/graduate-school/forms

Graduate Courses Taken for Undergraduate Credit

Graduate courses at UNCW or other accredited institutions may be used to fulfill undergraduate requirements if approved by the course instructor, student's department chair, undergraduate dean, and the dean of the Graduate School. All other transfer credit policies apply. Permission forms may be obtained on the Graduate School forms page under the "Undergraduate Registration for Graduate Courses" section at https://uncw.edu/myuncw/academics/graduate-school/forms.

Graduate Course Taken as an Undergraduate to Later Apply to a Graduate Degree

Undergraduate students who wish to take graduate courses and later receive graduate credit for them must fill out a Docusign to obtain permission in advance from the course instructor, student's department chair and undergraduate dean, and the Graduate School for approval. Graduate courses taken under this provision

may not be used to fulfill undergraduate degree requirements. Permission forms may be obtained on the Graduate School form page under the "Undergraduate Registration for Graduate Courses"
section https://uncw.edu/myuncw/academics/graduate-school/forms.

Credit for Approved Combined Degree Programs

Graduate courses used to fulfill an undergraduate degree requirement at UNCW may be applied to a graduate degree only when taken as part of an approved combined degree program. Courses applied toward an awarded degree may not be applied to a second degree except as described by specific degree programs.

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https://www.uncw.edu/global/
The Office of Global Partnerships and International Education is comprised of three units: Education Abroad, English Language Center, and the Office of International Students & Scholars.

Education Abroad

UNCW offers more than 800 education abroad opportunities in more than 50 countries. Options available include coursework taken abroad, international internships for academic credit, credit-bearing service-learning experiences, academic research, and virtual global learning opportunities. UNCW provides education abroad opportunities to suit nearly every major and credit earned through international programs may be applied towards a UNCW degree. Financial aid may be used in conjunction with education abroad programs and scholarships are available. Students may select from short-term and summer programs, as well as semester, year-long and two-year dual degree options.
All applications for any credit-bearing program abroad must be made through the

Office of Global Partnerships and International Education.

UNCW students who study abroad retain their active UNCW student status and will not have to re-enroll upon return.

Eligibility requirements include:

- 18 years of age at the time of participation
- Good disciplinary standing
- 2.5+ cumulative grade point average
- Sophomore+ status (select programs are open to first-year students)
- Any program-specific requirements
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Several programs in the College of Humanities, Social Sciences, and the Arts, College of Science and Engineering, College of Education, College of Health and Human Services, and the Cameron School of Business offer students the opportunity to earn academic credit within a work environment external to the program. The purpose of the internship experience is to enhance, supplement, and integrate the learning that occurs in formal classroom settings. Permission of the dean and program offering the internship is required to enroll, and the program places limits on the number of credit hours earned applicable toward graduation. Internships designated by a 498 number will be graded on a Pass (P), Fail (F) basis. These credit hours earned will count towards the number of hours required to graduate, but the grade of Pass (P) will be excluded from the computation of the GPA. For further information on internships, refer to the courses numbered 498 in the course listings and then contact the departments offering them.

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The North Carolina Child Welfare Education Collaborative is a university-agency partnership that ensures a quality work force in child welfare settings. The educational goal of this program is to directly address the workforce need for social workers in child welfare settings. Administered by the Jordan Institute for Families, the collaborative includes North Carolina social work education programs, the NC Division of Social Services, the NC Association of County Directors of Social Services and the NC Chapter of the National Association of Social Workers. Educating, training, and supporting current and future social workers in child welfare meets the goal of strengthening families and protecting children. The collaborative offers focused educational courses, training and field experience in child welfare agencies. Participating universities include Appalachian State

University, University of North Carolina at Chapel Hill, East Carolina University, North Carolina State University, Joint Masters of Social Work Program at University of North Carolina at Greensboro and North Carolina Agricultural and Technical State University, and University of North Carolina Wilmington.

- The Reverse Transfer Program is a collaborative effort between North Carolina's Community Colleges and the University of North Carolina's 16 constituent institutions. Students who transfer to UNC Wilmington from one of the 58 North Carolina community colleges are given the opportunity to combine the credits earned at UNCW with credit already earned at the community college to determine if the associate degree requirements have been met. Students have the opportunity to opt-in to this program at the time of admission as a transfer student. There is no cost to participate. For more information, contact the Office of the Registrar.
Eligibility: Students must have earned at least 16 college-level credit hours at one community college applicable towards their degree, to be eligible to participate. After earning a total of 60 combined credits, the student's UNCW records will be sent back to their previous community college for evaluation. The community college will contact students via their UNCW email, with further details, if the Associate degree is awarded.

- Several UNCW courses employ service-learning opportunities. Service learning is an innovative method of teaching and learning that combines thoughtfully organized service to the community with other means of instruction. Community service-projects are integrated into and enhance the academic curriculum of students, fitting naturally into the philosophy and pedagogy of a variety of disciplines and fostering civic responsibility. Both students and the community benefit from service learning. Service-learning courses have several strengths, not the least of which is that they are adaptable to the needs of the community while providing structured time for the students to reflect on the service experience.

section in this catalogue.

Credit Hours: 1 to 3 Additional Restrictions/Requirements:

Junior or senior standing, overall GPA of at least 2.50, GPA in CYBR courses of at least 2.80, and consent of instructor, program coordinator, and dean.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Repeat Limit: 1

CYBR 495 - Seminar in Cybersecurity

Course Description:

Individual reports and group discussions of field, laboratory and/or library research on selected topics in cybersecurity. May only be taken once for credit in the major.

Credit Hours: 3 University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 9 Repeat Limit: 3 Major Restriction: For cybersecurity majors only.

CYBR 498 - Internship in Cybersecurity

Course Description:

Academic training and practical experience through work in a private company or public agency. Faculty supervision and evaluation of all study and on-site activity. Written experience report and oral presentation required.

Credit Hours: 3 Additional Restrictions/Requirements:

Open to students of junior or senior standing who have been approved by the faculty supervisor, department chair, and dean.

Admission to the Cameron School of Business or declared BS Cybersecurity or declared BS Information Technology or declared BS Computer Science or declared BS Intelligent Systems Engineering or declared Cybersecurity minor

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 9 Repeat Limit: 3 Major Restriction: BS Cybersecurity or BS Information Technology or BS Computer Science or BS Intelligent Systems Engineering or BS Business Administration Minor Restriction: Cybersecurity

CYBR 499 - Honors in Cybersecurity

Course Description:

Individual study for honors students.

Credit Hours: 3 Additional Restrictions/Requirements:

Instructor approval for honors students only.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Repeat Limit: 2

DSC 301 - Introduction to Machine Learning

Course Description:

Introduction to machine learning, including necessary linear algebra topics, such as vectors, matrices, eigenvalues, eigenvectors, symmetric matrices and singular value decompositions. Considers gradient descent methods to optimize predictive and classification models, dimension reduction, clustering, cross validation, grid search, data visualization and dashboards.

Credit Hours: 3 Prerequisite Courses:

MAT 151 or MAT 161 .

Course Repeatability: Course may not be repeated.

DSC 302 - Foundations of Data Science

Course Description:

Foundational topics in the field of Data Science Topics to include data cleaning, Structured Query Language (SQL), data manipulation, visualizations, elementary classification, and machine learning.

Credit Hours: 3 Prerequisite Courses:

MAT 151 or MAT 161 .

Course Repeatability: Course may not be repeated.

ISE 102 - Introduction to Intelligent Systems Engineering

Course Description:

Interdisciplinary introduction to intelligent systems, covering topics such as: how intelligent systems interact with the physical world through inputs and inputs, algorithms to transform inputs to outputs, handling data in intelligent systems, binary numbers, discrete mathematics, basic logic operations, computer architecture, and problem-solving.

Credit Hours: 4 Prerequisite or Corequisite Courses:

CSC 131 with a C or better

University Studies: ["Building Competencies/Information Literacy", "Approaches and Perspectives/Living in a Global Society"] Course Repeatability: Course may not be repeated.

ISE 211 - Programming for Engineers

Course Description: Introduction to fundamentals of programming using C/C++, with a strong emphasis on object-oriented programming (OOP). Structured programming in C before transitioning to C++ to explore OOP alongside basic to intermediate data structure implementations. Skills in both paradigms with a particular focus on using OOP to solve complex problems effectively. Credit Hours: 4 Prerequisite Courses: CSC 131 with a grade of C or better Course Repeatability: Course may not be repeated.

ISE 221 - Intelligent Systems

Course Description:

Introduction to concepts of intelligent systems, focusing on impact on societal structures and human behavior. Exploration of AI within social institutions, examining the ethical implications and potential for societal change, emphasis on the role of intelligent systems in shaping public policies and the cooperative strategies necessary for a sustainable future.

Credit Hours: 3 Prerequisite Courses:

ISE 102 or ISE 211

University Studies: ["Approaches and Perspectives/Understanding Human Institutions and Behaviors"] Course Repeatability: Course may not be repeated.

ISE 240 - Circuits and Electronics

Course Description:

Introduction to theory, analysis, and design of electric circuits. Study of voltage, current, power, energy, resistance, capacitance, and inductance. Use of Kirchhoff's laws, node analysis, mesh analysis, Thevenin's theorem, Norton's theorem, steady state, and transient analysis, etc.

Credit Hours: 4 Prerequisite or Corequisite Courses:

PHY 201 , MAT 162

Prerequisite Courses:

ISE 102

Course Repeatability: Course may not be repeated.

ISE 250 - Embedded Systems

Course Description:

Introduction to computer organizations, data representation, CPU organization, I/O memory and communication, implementation of a microcontroller or microprocessor

embedded systems, assembly language programming, interfacing to peripherals, interrupt handling and debugging techniques.
Credit Hours: 3 Prerequisite or Corequisite Courses:
PHY 300 .
Course Repeatability: Course may not be repeated.

ISE 251 - Intelligent Systems II

Course Description:
Concepts and practice behind deploying AI applications as cloud services that others can access. Importance of engineered robustness and trustworthiness are covered. Computer system design principles applied to practice, resulting in a rounded practicum experience.
Credit Hours: 3 Prerequisite Courses:
ISE 221 with a minimum grade of C-.
Course Repeatability: Course may not be repeated.

ISE 333 - Signals, Systems, and Control

Course Description:
Study of linear dynamic systems, and methods for examining, evaluating, and autonomously controlling them. Examination of several standard methods for linear system analysis and design using time and frequency domain tools (such as transfer functions, pole placement, stability and performance criteria, etc.). Consideration of analytical and numerical methods to explore signals, dynamics systems, and control systems.
Credit Hours: 3 Prerequisite or Corequisite Courses:
STT 315
Prerequisite Courses:
PHY 202 with a grade of 'C' (2.00) or better, MAT 361 with a grade of 'C' (2.00) or better.
Course Repeatability: Course may not be repeated.

ISE 335 - Digital Signal Processing

Course Description:
Fundamentals of digital signal processing (DSP). Topics include: A/D-D/A conversion and quantization, number representations and finite word length effects;

FIR, IIR, and lattice filter structures, block diagram, and equivalent structures; multi-rate DSP and filterbanks; digital filter design methods and verification; and DSP hardware architecture.

Credit Hours: 3 Prerequisite Courses:

ISE 333, STT 315

Course Repeatability: Course may not be repeated.

ISE 340 - Systems Engineering

Course Description:

Introduction to the fundamental principles of systems engineering and their application to developing complex systems. Study of how systems engineering viewpoint can address engineering challenges and the essential role of systems engineering in project management.

Credit Hours: 3 Prerequisite Courses:

ISE 221 with a grade of 'C' (2.00) or better

Course Repeatability: Course may not be repeated.

ISE 350 - Principles of Cyber-Physical Systems

Course Description:

Introduction to the architecture, design, and analysis of cyber-physical systems (CPS), including the principles of design, specification, and modeling. Explanation of core ideas related to CPS design including model-based design, distributed algorithms, system specification and verification, control theory, and real-time systems.

Credit Hours: 3 Prerequisite Courses:

ISE 250 .

Course Repeatability: Course may not be repeated.

ISE 360 - Introduction to Robotics

Course Description:

Focus on image-guided control of robotic manipulators, including mathematical modeling concepts and implementation via open-source software libraries, robotic manipulators, and RGBD cameras. Analysis of complex 3D motions of robotic systems and integration into a closed-loop vision control strategy via different programming tools.

Credit Hours: 3 Prerequisite Courses:

ISE 211, ISE 333.

Course Repeatability: Course may not be repeated.

ISE 410 - Human-Centered Design and Engineering

Course Description:

Introduction to human-centered design (HCD) and engineering principles and practices. Application of these principles to the area of artificial intelligence and intelligent systems, such as autonomous vehicles, etc. Focus on developing collaborative strategies between human users and autonomous systems for safety and effectively utilizing state-of-the-art autonomous features.

Credit Hours: 3 Prerequisite Courses:

ISE 360

Course Repeatability: Course may not be repeated.

ISE 411 - Fundamentals of Internet of Things

Course Description:

Study of the Internet of Things (IoT) and related technologies, including solving practical programs using IoT, embedded, and edge technologies, as well as IoT device programming, sensing, actuating, communications, networking, and cloud technologies.

Credit Hours: 3 Prerequisite Courses:

ISE 350

Course Repeatability: Course may not be repeated.

ISE 444 - Wireless Sensor Networks

Course Description:

Fundamentals of wireless sensor networks, including hardware and radio architecture through protocols and software to applications. Sensor network architectures, hardware platforms, physical layer techniques, medium access control, routing, topology control, quality of service management, localization, time synchronization, security, storage, and other advanced topics.

Credit Hours: 3 Prerequisite Courses:

ISE 350

Course Repeatability: Course may not be repeated.

ISE 461 - Capstone Project I

Course Description:

First semester of a two-semester capstone course in Intelligent Systems Engineering. Topics include: identifying a suitable project, researching and evaluating existing solutions, proposing a new solution, performing concept definition and requirements analysis, preparing design documents (plans and specifications), and presenting a solution to a review board.

Credit Hours: 3 Prerequisite Courses:

ISE 360 and ISE 411

Additional Restrictions/Requirements:

Senior Standing

University Studies: ["Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated. Additional Course Fees: [""] Equivalent Courses: [""]

ISE 462 - Capstone Project II

Course Description:

Second semester of a two-semester capstone course in Intelligent Systems Engineering. Topics include: implementing the project plan, which includes working with stakeholders, executing the hardware design and implementation, developing system software, testing solutions, and deploying the solution. A functional model of the solution, a final report, and a project presentation are required.

Credit Hours: 3 Prerequisite Courses:

ISE 461.

Additional Restrictions/Requirements:

Senior Standing

University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

ISE 475 - Topics in Intelligent Systems Engineering

Course Description:

Topics of current interest in intelligent systems engineering not covered in existing courses. May be repeated under different subtitles.

Credit Hours: 3 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 9 Repeat Limit: 3

ISE 491 - Directed Individual Study

Course Description:

Investigation under faculty supervision beyond what is offered in existing courses. Written experience report and oral presentation required. For further information, consult the Directed Individual Studies section in this catalogue.

Credit Hours: 1 To 3 Additional Restrictions/Requirements:

Junior or senior standing, overall GPA of at least 2.50, GPA in ISE courses of at least 2.80, and consent of instructor, department chair, and dean.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 9 Repeat Limit: 2

ISE 495 - Seminar in Intelligent Systems Engineering

Course Description:

Presentations on current topics in intelligent engineering education and related subjects. Speakers may come from campus, other universities, or business, industry, or government.

Credit Hours: 1 Additional Restrictions/Requirements:

Senior Status.

Course Repeatability: Course may not be repeated.

ISE 498 - Internship in Intelligent Systems Engineering

Course Description:

Academic training and practical experience through work in a private company or public agency. Faculty supervision and evaluation of all study and on-site activity. Open to students of junior or senior standing who have been approved by the faculty supervisor, department chair, and dean. Written experience report and oral presentation required.

Credit Hours: 3 Additional Restrictions/Requirements:

Open to students of junior or senior standing who have been approved by the faculty supervisor, department chair, and dean.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 9 Repeat Limit: 3

ISE 499 - Honors in Intelligent Systems Engineering

Course Description:

Individual study for honors students.

Credit Hours: 3 Additional Restrictions/Requirements:

Instructor approval.

Course Repeatability: Course may not be repeated.

SENG 201 - Software Engineering Fundamentals

Course Description:

Introduction to the basic skills of software engineering. Students learn version control, program verification techniques, flow analyses, formal code documentation, software diagramming, and the software lifecycle. Students learn information literacy practices relevant to software implementation. Coursework focuses on the relation between software tools and operating system concepts in Linux. Group work is required.

Prerequisite Courses:

CSC 131 with a C or better

University Studies: ["Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

SENG 291 - Introductory Research in Software Engineering

Course Description:

Software engineering research under faculty supervision beyond what is offered in existing courses.

Credit Hours: 1 Additional Restrictions/Requirements:

Freshman or sophomore standing, and consent of instructor and program coordinator.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 3 Repeat Limit: 2

SENG 301 - Software Systems Analysis

Course Description:

Introduction to analysis techniques used to specify software systems. Students learn requirements engineering techniques, architecture patterns, and formal specification. Students analyze software security, performance, reliability, and usability tradeoffs.

Prerequisite Courses:

SENG 201 with a C or better and CSC 231 with a C or better

University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

SENG 315 - Mobile Applications Development

Course Description:

Concepts and technologies for developing applications on mobile devices, including mobile-platform programming, memory-management, object-oriented paradigms, model-view-controller design, mobile-centric frameworks for networking, multimedia, location-based services, and interface design. Application design, programming, and implemention for a current mobile platform.

Prerequisite Courses:

CSC 331 with a C or better.

Course Repeatability: Course may not be repeated.

SENG 351 - Applied Software Security

Course Description:

Introduction to the development of secure software applications. Consideration of software vulnerability analysis, secure programming best practices, overflows, input sanitization, password security, command injection, database development, and web application development and vulnerabilities. Design, analysis, and implementation of a secure web application.

Prerequisite Courses:

CSC 231 with a grade of C or better or CYBR 251 with a grade of C or better

Course Repeatability: Course may be repeated.

SENG 365 - Client-Side Web Development

Course Description:

Development of applications for the World Wide Web focusing on client-side languages. Introduction to current principles, standards, and best practices in website design, usability, accessibility, and management through project-based skills. Development in standards-compliant markup, styling, and scripting, including web services programming.

Prerequisite Courses:

CSC 231 or permission of instructor
Course Repeatability: Course may not be repeated.

SENG 401 - Software Construction

Course Description:
Study and practice of contemporary software engineering tools and techniques for the design, implementation and testing of software systems. Consideration of object-oriented design patterns, continuous integration, cloud-based systems, and best practices in system verification and validation. Group software project required.
Prerequisite Courses:
SENG 301 with a grade of C or higher and CSC 331 with a grade of C or higher
Course Repeatability: Course may not be repeated.

SENG 451 - Software Assurance

Course Description:
Introduction to quality assurance, reliability, security in software engineering. Topics include quality/security requirements and specifications; design and code review; techniques for static and dynamic analysis of software; software metrics; advanced testing techniques; reliability growth modeling. Emphasis on software security engineering provided, including threat modeling, secure design principles, secure development processes. Course provides practical application of strategies and principles learned.
Prerequisite or Corequisite Courses:
CSC 450 or SENG 401
Course Repeatability: Course may be repeated.

SENG 458 - Software Practicum I

Course Description:
First semester of a two-semester capstone experience in software development. Definition, implementation, and testing of a software system created for an external customer by student teams. Consideration of software lifecycle methodologies, software project management, stakeholder communication, and team organization. Engineering content emphasizes system architecture, cloud integration, and test automation.
Prerequisite Courses:

SENG 401 with a C or higher
Additional Restrictions/Requirements:
Senior standing required
University Studies: ["Explorations Beyond the Classroom", "Critical Reasoning"] Course Repeatability: Course may not be repeated. Major Restriction: Software Engineering

SENG 459 - Software Practicum II

Course Description:
Second semester of a two-semester capstone experience in software development. Student teams define, implement, and test a software system created for an external customer. Students learn applied techniques for cloud integration, system validation, DevOps, and maintenance.
Prerequisite Courses:
SENG 458
Additional Restrictions/Requirements:
Senior standing required
University Studies: ["Critical Reasoning", "Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated. Major Restriction: Software Engineering

SENG 465 - Server-Side Web Development

Course Description:
Hands-on development of dynamic web applications via server-side languages and corresponding database APIs; implementation of industry best practices regarding data; secure authentication; digital certificates; session-handling; introduction to cryptography and e-commerce. Practical experience with form validation and website security using database principles and query techniques.
Prerequisite or Corequisite Courses:
SENG 365 or CSC 365
Course Repeatability: Course may not be repeated.

SENG 475 - Topics in Software Engineering

Course Description:
Topics of current interest in software engineering not covered in existing courses. May be repeated under a different subtitle.
Additional Restrictions/Requirements:

Junior or senior standing, or consent of instructor.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12 Repeat Limit: 3
Major Restriction: Software Engineering or Computer Science

SENG 491 - Directed Individual Study

Course Description:
Investigation under faculty supervision beyond what is offered in existing courses. Written experience report and oral presentation required.
Credit Hours: 1 to 3 Additional Restrictions/Requirements:
Junior or Senior standing, overall GPA of at least 2.00 and a GPA in SENG courses of at least 2.80, and consent of instructor, program coordinator, and dean.
University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12 Repeat Limit: 11

SENG 495 - Seminar in Software Engineering

Course Description:
Research and discussion of contemporary topics in software engineering. Oral presentation required.
Additional Restrictions/Requirements:
Junior or senior standing required.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 3 Repeat Limit: 2
Major Restriction: Software Engineering

SENG 498 - Internship in Software Engineering

Course Description:
Academic training and practical experience through work in a private company or public agency. Faculty supervision and evaluation of all study and on-site activity. Open to students of junior or senior standing who have been approved by the faculty supervisor, department chair, and dean. Written experience report and oral presentation required.
Additional Restrictions/Requirements:
Junior or senior standing, overall GPA of at least 2.50 and a GPA in SENG courses of at least 2.80, and consent of instructor, program coordinator, and dean.
University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Repeat Limit: 5 Major Restriction: Software Engineering

SENG 499 - Honors Work in Software Engineering

Course Description:

Independent study for honors students.

Additional Restrictions/Requirements:

Eligible for departmental honors or member of Honors College. Junior or senior standing.

University Studies: ["Building Competencies/Writing Intensive", "Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Repeat Limit: 2 Major Restriction: Software Engineering

Department of Earth and Ocean Sciences

http://www.uncw.edu/earsci

The Department of Earth and Ocean Sciences offers majors in geography and geospatial science, geology, geosciences and oceanography which prepare the student for advanced studies or for teaching, research, and technical careers available to one who holds the baccalaureate degree. In addition, the department offers minors in geography, geology, oceanography, and geospatial technology. The department also offers a certificate in geospatial intelligence awarded from the US Geospatial Intelligence Foundation in conjunction with UNCW, and is a member of the Federal Aviation Administration Unmanned Aircraft Systems Collegiate Training Initiative.

Geology Minor

The geology minor focuses on scientific study of Earth. This includes common rocks and minerals, geologic processes that form and alter the Earth, and key events in Earth history.

Geology, B.S. or Geosciences, B.A. with Teacher Licensure

Geology, B.S.

The B.S. degree in geology focuses on scientific study of Earth; common rocks and minerals, processes that form and alter basic Earth materials, and key events in the geologic evolution of the planet. Specifically, the B.S. in geology is designed for students intending to pursue advanced studies in geology or who intend to attain licensure as a professional geologist.

Geosciences, B.A.

This program focuses on the scientific study of Earth; forces acting upon and within it; and the makeup and behavior of the solids, liquids, and gases comprising the planet. The B.A. in Geosciences is designed for students who desire a broad liberal arts education that prepares them for careers such as environmental consulting, energy and resource management, and Geoscience education.
The B.A. in Geosciences is a flexible option that allows students to concentrate their coursework in selected areas of geology, earth surface processes, weather and climate, geospatial science, or oceanography. Because of the flexible degree requirements, many students are able to pursue a second major or minor in addition to the B.A. Geosciences.

Oceanography Minor

The Department of Earth and Ocean Sciences offers a minor Oceanography. Because oceanography is a truly integrative and synthetic field which continues to become more technological and global in its approach, the oceanography minor requires students to develop basic proficiencies in a variety of oceanography related fields, while allowing students to focus on their specific interests through selection of appropriate elective course work.

Oceanography, B.S.

The B.S. Oceanography program is designed specifically for students interested in pursuing professional, research or academic careers and/or advanced degrees in the ocean sciences. Because oceanography is a truly integrative and synthetic field which continues to become more technological and global in its approach, the oceanography degree program requires students to develop basic proficiencies in mathematics, chemistry, physics, and biology, and effective oral and written communication skills. In addition, the program allows students to focus on their specific interests through selection of appropriate elective course work. The program includes an applied learning component which can be fulfilled through appropriate field- or ship-based course work, internships, and/or faculty directed research.

Geography and Geospatial Sciences, B.A.

The B.A. in Geography and Geospatial Sciences is a flexible program that meets a wide variety of personal educational goals and interests. Geographers study all aspects of places (including physical, environmental, and societal patterns), analyzing geospatial data to address changing patterns through time. The B.A. in Geography and Geospatial Science is commonly combined with a second major or minor to define a specific area of focus, and prepares students for careers and graduate study in geospatial, earth and environmental sciences.

Climate Change Sciences Minor

The Department of Earth and Ocean Sciences offers a minor in Climate Change Sciences. Because climate change science is a truly integrative and dynamic field which continues to become more technological and global in its approach, the climate change science minor requires students to develop basic proficiencies in several fields, while allowing students to focus on their specific interests through selection of appropriate elective courses.

GIS, Remote Sensing and UAS Minor

The GIS, Remote Sensing and UAS Minor is designed to provide students with

training in the applied skills and theory of geospatial science including, but not limited to: geographic information systems, remote sensing, autonomous and semi-autonomous vehicles and their associated sensors. The minor is an excellent accompaniment to a wide range of science, humanities, health, and business majors where spatiotemporal variations in one or more variables are of interest.

EVS 195 - Introduction to Environmental Sciences

Course Description:

Interdisciplinary introduction to the scope and application of environmental sciences. Emphasis on integrated analysis of environmental principles and discussions centering on current environmental problems.

Lab:

The lab for this course is EVSL 195 .

Credit Hours: 3 Additional Restrictions/Requirements:

EVS 195 and EVSL 195 may be taken in different semesters.

University Studies: ["Approaches and Perspectives/Scientific Approaches to the Natural World", "Approaches and Perspectives/Living in a Global Society"] Course Repeatability: Course may not be repeated.

EVS 317 - Introduction to Apicultural Science

Course Description:

Introduction to the societal importance, biology, physiology, and management of honeybees. The course prepares students to take the written portion of the North Carolina Beekeeping Association Certified Beekeeper exam. Additional Course Fees: Student Blanket Professional Liability Insurance.

Credit Hours: 2 Additional Restrictions/Requirements:

Junior/Senior standing required, or permission of instructor.

Course Repeatability: Course may not be repeated.

EVS 410 - Environmental Modeling

Course Description:

Overview of environmental modeling as used in practice. Consideration of selected abiotic and biotic models with applications to bacteria, plankton, fish, plants, trees, amphibians, reptiles, birds, and mammals. Hands-on ecological modeling with spreadsheet software.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

EVS 422 - Marine Environmental Survey Techniques

Course Description:

Introduction to the fundamentals of environmental marine survey techniques for conservation and management purposes. Use of bathymetric, acoustic imaging, underwater video and seabed sampling techniques to collect, process, export and characterize data related to a range of marine environments in coastal North Carolina.Additional Course Fees: Student Blanket Professional Liability Insurance.

Credit Hours: 3 Prerequisite Courses:

GGY 321

Additional Restrictions/Requirements:

Junior/Senior standing required, or permission of instructor.

Course Repeatability: Course may not be repeated.

EVS 428 - Environmental Interpretation in Protected Areas

Course Description:

Exploration of key concepts related to environmental interpretation in terrestrial and marine protected areas. Focus on, and experience in, the development and implementation of environmental interpretive materials (e.g., brochures, signage, exhibits) and activities (e.g., talks, guided tours, field trips). Additional Course Fees: Student Blanket Professional Liability Insurance.

Credit Hours: 3 Course Repeatability: Course may not be repeated. Additional Course Fees: ["None"]

EVS 431 - International Field Experience

Course Description:

An interdisciplinary introduction to environmental field methods and investigation in foreign countries. Focused study on environmental issues and problems specific to host country on local, regional, and global scales. Course integrates field and classroom instruction. Additional Course Fees: Student Blanket Professional Liability Insurance.

Credit Hours: 1 Prerequisite Courses:

EVS 195

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.
University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Repeat Limit: 5

EVS 433 - Tree and Forest Measurement

Course Description:
Study of forest mensuration including skills needed to take accurate forest measurements using essential forestry tools. Topics include foundations of forestry; forest ecology; essential tree and forest measurements such as tree age, height, and basal area; and key forestry topics such as tree regeneration, prescribed fire, and forest understory. Additional Course Fees: Student Blanket Professional Liability Insurance.
Credit Hours: 3 Prerequisite Courses:
EVS 195, or permission of instructor.
Course Repeatability: Course may not be repeated.

EVS 440 - Wildlife Field Methods for Conservation

Course Description:
A hands-on course in the tools and techniques of wildlife field methods. Focusing on amphibians, reptiles, birds, and mammals, students learn basic applied wildlife methods employed by conservation and management agencies. Additional Course Fees: Student Blanket Professional Liability Insurance.
Credit Hours: 4 Corequisite Courses:
EVS 195, and STT 215 or GGY 222, or permission of instructor.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 8 Repeat Limit: 1

EVS 441 - Advanced Environmental Field Methods

Course Description:
Survey of methods, techniques, and tools used to gather and analyze data in environmental fieldwork with application to environmental issues and management. Field trips required. Additional Course Fees: Student Blanket Professional Liability Insurance.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

EVS 452 - Offshore Energy & Resource Management

Course Description:

Introduction to the fundamental concepts behind offshore energy and resource management. Examination of a range of marine resources, including offshore oil and gas; wave, wind and tidal energy; and marine minerals. Discussion of the historical evolution, technological developments, challenges and potential impacts of each offshore resource. Additional Course Fees: Student Blanket Professional Liability Insurance.

Credit Hours: 3 Additional Restrictions/Requirements:

Junior or senior standing, or permission of instructor.

Course Repeatability: Course may not be repeated.

EVS 455 - Geospatial Analysis for Coastal Management

Course Description:

Examination of coastal issues and management using a problem-based GIS approach. Topics include developing a GIS, managing data acquired from different sources, creating new data, describing data, and generating desired outputs. Student projects utilize various GIS programs, extensions and equipment. Additional Course Fees: Student Blanket Professional Liability Insurance.

Credit Hours: 3 Prerequisite Courses:

GGY 321, or instructor approval.

Course Repeatability: Course may not be repeated.

EVS 456 - Land Survey Technology for Natural Resource Management

Course Description:

Introduction to the operation and application of land survey technology for natural resource management. Consideration of equipment operation, best practices in natural resource surveys, project planning, and data analysis. Additional Course Fees: Student Blanket Professional Liability Insurance.

Credit Hours: 2 Prerequisite Courses:

GGY 321, or permission of instructor.

Course Repeatability: Course may not be repeated.

EVS 457 - Introduction to Drone Operations in Environmental Science

Course Description:

Introduction to the operation and application of small unmanned aerial systems in environmental science. Examination of responsible operation, compliance with both federal and state regulations, requirements for FAA certification, flight planning, and basic image processing. Additional Course Fees: Student Blanket Professional Liability Insurance.

Credit Hours: 1 Prerequisite Courses:

EVS 195, or permission of instructor.

Additional Restrictions/Requirements:

Course Repeatability: Course may not be repeated.

EVS 469 - Restoration Ecology

Course Description:

Study of the ecological processes that underlie the restoration of natural communities in ecosystems. Examination of all aspects of restoration work, including planning and monitoring. Consideration of a variety of disturbance types, including agricultural, natural resource extraction, waste management, urbanization, and tourism. Off campus field trips required. Additional Course Fees: Student Blanket Professional Liability Insurance.

Credit Hours: 3 Prerequisite Courses:

BIO 366.

Additional Restrictions/Requirements:

Junior status or higher.

Course Repeatability: Course may not be repeated.

EVS 474 - Wildland Fire Management

Course Description:

Study of wildland fire management. Focus on the suppression of wild fires and the use of controlled burning as a natural resource management tool. Participation in practical field training including controlled burns. Participants must meet physical

fitness guidelines. Additional Course Fees: Student Blanket Professional Liability Insurance.
Credit Hours: 3 Additional Restrictions/Requirements:
Junior or senior standing or consent of instructor.
Course Repeatability: Course may not be repeated.

EVS 476 - Topics and Issues in Sustainability

Course Description:
Study of fundamental concepts related to a sustainable society including current global and local issues. Focus on environmental topics (energy, water, climate, soil, forests, food, and population) with consideration of current social and economic issues. Additional Course Fees: Student Blanket Professional Liability Insurance.
Credit Hours: 3 Prerequisite Courses:
EVS 195 and EVSL 195
Additional Restrictions/Requirements:
Prerequisite courses or consent of the instructor.
Course Repeatability: Course may not be repeated.

EVS 481 - Estuarine Aquatic Drones

Course Description:
Introduction to shallow water aquatic drones and near-shore, saltwater applications. Review of the history of aquatic drones and investigation of the principles of shallow water drone design and operations. Hands-on drone construction, deployment and operation in the field, including installation and use of appropriate software. Additional Course Fees: Student Blanket Professional Liability Insurance.
Credit Hours: 3 Additional Restrictions/Requirements:
Junior or senior standing, or permission of instructor.
Course Repeatability: Course may not be repeated.

EVS 495 - Seminar in Environmental Sciences

Course Description:
Individual reports and group discussions of the results of student field, laboratory, or library research on selected topics in environmental planning and policies.
Credit Hours: 0 to 3 Prerequisite Courses:
EVS 195 and ENG 393.

Additional Restrictions/Requirements:

Senior standing. In addition, all students require consent of instructor, who provides an override for the lecture portion of the course and a separate override for the lab portion of the course. Students must take both the lecture and the lab concurrently.

University Studies: ["Building Competencies/Writing Intensive", "Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated. Major Restriction: EVS Minor Restriction: EVS

EVSL 195 - Environmental Sciences Lab

Course Description:

Laboratory analysis of environmental principles, resources, and problems. Application of scientific and social principles to solving current environmental problems.

Lab:

This course is the lab for EVS 195 .

Credit Hours: 1 Prerequisite or Corequisite Courses:

EVS 195

Additional Restrictions/Requirements:

EVSL 195 may be taken in the same semester as EVS 195 or in a semester subsequent to EVS 195.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated.

GGY 101 - Modern World Geography

Course Description:

The theory, techniques, and professional applications of modern geographic science. Examines geography as a broad interdisciplinary science focused on places, spatial patterns, and the intersection between human activities and the natural world. Includes discussion of the historical origins and modern relevance of geographic thought.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Understanding Human Institutions and Behaviors", "Approaches and Perspectives/Living in a Global Society"] Course Repeatability: Course may not be repeated.

GGY 130 - Geosystems

Course Description:

Spatial distribution of environmental elements and processes, including weather and climate, groundwater, soils, rocks, plate tectonics, landforms, and vegetation. Three lecture and two laboratory hours each week.

Credit Hours: 4 University Studies: ["Approaches and Perspectives/Scientific Approaches to the Natural World", "Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

GGY 160 - Our Changing Climate

Course Description:

Basic introduction to global climate change science and the potential impacts of global climate change. Explores global climate change skepticism and related political behaviors.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Scientific Approaches to the Natural World", "Approaches and Perspectives/Understanding Human Institutions and Behaviors"] Course Repeatability: Course may not be repeated.

GGY 180 - World Regional Geography

Course Description:

Regional survey of historical, physical, economic, and cultural geography of world regions. Fundamental locational geography as the foundation for a clear world view and an understanding of global interdependence.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in a Global Society"] Course Repeatability: Course may not be repeated.

GGY 215 - The Digital Globe

Course Description:

Introduction to the maps, data, and methods commonly used by geographers to investigate spatial relationships from local to global scales. Includes the examination of geography as a discipline whereby human and physical environments are spatially explored.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in a Global Society", "Building Competencies/Information Literacy", "Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated.

GGY 220 - Cartography and Data Visualization

Course Description:

Introduction to fundamental cartographic and geospatial data visualization principles that provide students the ability to describe, generate, and evaluate relevant products (maps, graphs, charts). The course uses examples from physical geography and human landscapes to practice the principles defined in the Essential Body of Knowledge used in geospatial professions.

Credit Hours: 3 Prerequisite Courses:

GGY 130 or GGY 101

University Studies: ["Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

GGY 222 - Quantitative Methods in Earth Sciences

Course Description:

Use and interpretation of statistical techniques in geographic and geologic research. The course emphasizes problem identification, data collection and interpretation through assignments covering specific kinds of statistical methods.

Credit Hours: 3 University Studies: ["Building Competencies/Information Literacy", "Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated.

GGY 230 - Introduction to Weather and Climate

Course Description:

Examination of general climatic characteristics through space and time, especially as influenced by controls upon temperature, wind and moisture distributions, and by planetary, regional and local atmospheric disturbances.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Scientific Approaches to the Natural World", "Approaches and Perspectives/Living in a Global Society"] Course Repeatability: Course may not be repeated.

GGY 235 - Principles of Hydrology

Course Description:

Covers the three main components of terrestrial hydrology: (1) atmospheric water, precipitation, and surface-atmosphere interactions; (2) groundwater, infiltration,

substance flow, and aquifers; and (3) surface water, watersheds, rivers and floods. Lectures and exercises focus on collecting and interpreting hydrological data to address environmental issues.
Credit Hours: 3 Prerequisite Courses:
GGY 130 or GLY 101 or GLY 120
Crosslisting:
GLY 226
Course Repeatability: Course may not be repeated.

GGY 280 - Special Topics in Geography

Course Description:
Selected physical, cultural, regional, or applied topics in geography that are not considered in detail in regular course offerings.
Credit Hours: 1 To 3 Prerequisite Courses:
GGY 101 or GGY 130 or GGY 180 .
Course Repeatability: Course may be repeated.

GGY 291 - Introductory Research in Geography

Course Description: Laboratory and computational research under faculty supervision beyond what is offered in existing courses. Credit Hours: 1 Additional Restrictions/Requirements: Freshman or sophomore standing, and consent of instructor and department chair. Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 3 Repeat Limit: 2

GGY 321 - Introduction to Geographic Information Systems

Course Description:
Introduces fundamental concepts and principles of Geographic Information Systems (GIS). Tools, functions, and capabilities of GIS desktop software (e.g. ArcGIS or QGIS) are explained and used to visualize and manipulate geospatial data.
Credit Hours: 3 Prerequisite Courses:
GGY 130 or GGY 215 or GLY 101 or GLY 120 or OCN 150 or EVS 195 or EGN 102 .
Additional Restrictions/Requirements:
Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

GGY 322 - Introduction to Remote Sensing

Course Description:

Theory and application of remote sensing techniques and software applications for environmental sciences, geography, earth sciences, hydrology, archaeology, forestry, and public health. Includes satellite data collection, digital image processing, multispectral image analysis, introduction to thermal infrared and microwave data through laboratory exercises. Students work in small groups to apply remote sensing concepts to solve complex problems. Two lecture and two laboratory hours each week.

Credit Hours: 3 Prerequisite Courses:

GGY 130 or GGY 215 or GLY 101 or GLY 120 or OCN 150 or EVS 195 or consent of instructor.

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated.

GGY 333 - Applied Climatology

Course Description:

The spatial distribution and character of climates, their relation to other elements of the environment and to human activities. Students work individually or in small groups to solve problems through applications of climate principles and data.

Credit Hours: 3 Prerequisite Courses:

GGY 130 or GGY 230

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

GGY 335 - Geomorphology

Course Description:

A systematic treatment of the surface processes that shape fluvial, glacial, aeolian, and coastal landforms. Themes include process mechanics, description and classification of landforms, and evolution of landform systems. Students work individually or in small groups to analyze geomorphological data in field and

laboratory settings. Three lecture and three laboratory hours each week.
Credit Hours: 4 Prerequisite Courses:
GGY 130 or GLY 101 or GLY 120 or OCN 150 .
Crosslisting:
GLY 335
Course Repeatability: Course may not be repeated.

GGY 340 - Global Change: Population, Resources, and the Environment

Course Description:
Introduction to the four major driving forces of global change: demographic trends, natural resource use, climate change, and globalization. Explores the role of economic and cultural development and analyzes regional patterns that result in the unique manifestations of global change.
Credit Hours: 3 Prerequisite Courses:
GGY 130 or GGY 101 or GGY 180, or consent of instructor.
Course Repeatability: Course may not be repeated.

GGY 365 - Written Communication in Geography

Course Description:
Development of written scientific communication skills for topics related to geography and geospatial sciences.
Credit Hours: 2 University Studies: ["Building Competencies/Information Literacy", "Building Competencies/Writing Intensive", "Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated. Major Restriction: Geography and Geospatial Science, Geosciences, Geology, Oceanography

GGY 383 - Geography of Islands and Coasts

Course Description:
The study of islands and coasts as unique geographic features. Explores the physical processes of islands and coasts, the environmental history of islands and coasts, and current environmental issues unique to islands and coasts.
Credit Hours: 3 Prerequisite Courses:
GGY 101 or consent of instructor.
Course Repeatability: Course may not be repeated.

GGY 395 - Oral Communication in Geography

Course Description:

Development of oral presentation and computer application skills in Geography.

Credit Hours: 1 Prerequisite or Corequisite Courses:

GGY 365 or GLY 365 or OCN 365

Course Repeatability: Course may not be repeated.

GGY 420 - Global Climate Change

Course Description:

Analysis of natural and anthropogenic global climate change with an emphasis on future global climate change. Topics include Earth's energy balance, the global carbon cycle, climate modeling, atmospheric composition and dynamics. Review of geographical variation in climate change.

Credit Hours: 3 Prerequisite Courses:

GGY 230

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

University Studies: ["Building Competencies/Writing Intensive"] Crosslisting:

GLY 420 , PHY 420

Course Repeatability: Course may not be repeated.

GGY 421 - Spatial Programming

Course Description:

Introduction to GIS programming. The course will focus on how to customize applications and streamline spatial analysis, and is designed to improve students' skills in conducting sophisticated spatial analysis and adapting to new technologies and programming languages. Two lecture and two laboratory hours each week.

Credit Hours: 3 Prerequisite Courses:

GGY 321 or consent of instructor

Course Repeatability: Course may not be repeated.

GGY 423 - GIS Modeling

Course Description:

Introduction to geographical and temporal modeling concepts using GIS based modeling languages and techniques.
Credit Hours: 3 Prerequisite Courses:
GGY 321 .
Course Repeatability: Course may not be repeated.

GGY 424 - Advanced Geographic Information Systems

Course Description:
Advanced theory and application of the use of Geographic Information Systems (GIS), spatial data collection, data structures, data management, and relational databases, spatial analysis, and display of geographic information in a computer-based environment. Lectures, demonstrations, and lab exercises. Two lecture and two laboratory hours each week.
Credit Hours: 3 Prerequisite Courses:
GGY 321 or consent of instructor
University Studies: ["Explorations Beyond the Classroom"] Crosslisting:
GGY 524
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

GGY 425 - GIS for Equity and Social Justice

Course Description:
Use of GIS to investigate and measure spatial patterns of equity, social and environmental justice. Topics for discussion may include population migration, redlining, segregation, gentrification and environmental bias. Two lecture and three lab hours each week.
Credit Hours: 3 Prerequisite Courses:
GGY 321 .
Course Repeatability: Course may not be repeated.

GGY 426 - Environmental Geographic Information Systems

Course Description:
Overview of environmental applications of GIS including planning, date development, and analysis of the data, and oral and written presentation of the results. Students work individually or in small groups to remediate an environmental problem. Two lecture and two laboratory hours each week.

Credit Hours: 3 Prerequisite Courses:

GGY 321 or consent of instructor

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Crosslisting:

GGY 526

Course Repeatability: Course may not be repeated.

GGY 428 - Advanced Remote Sensing

Course Description:

Advanced theory and application of remote sensing techniques and software applications for environmental sciences, geography, earth sciences, hydrology, archaeology, and forestry. Includes satellite data collection, advanced classification methods, hyperspectral and microwave image analysis, and satellite elevation data construction. Two lecture and two laboratory hours each week.

Credit Hours: 3 Prerequisite Courses:

GGY 322

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Crosslisting:

GGY 528

Course Repeatability: Course may not be repeated.

GGY 429 - Aerial Drone Applications in Geoscience

Course Description:

Introduction to the applications of unmanned aerial systems (UAS, or drones) in the geosciences. The course will cover an introduction to remote sensing and photogrammetry, the basics of UAS regulatory frameworks, and data collection and processing, with at least 40% of the class devoted to data collection in the field.

Credit Hours: 3 Prerequisite Courses:

GGY 321 or GGY 322 or consent of instructor

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated.

GGY 432 - Biogeography

Course Description:

Study of the changing distribution patterns of plants and animals on a variety of spatial and temporal scales. Topics include abiotic and biotic controls on the distribution of life, disturbance, ecological communities, dispersal, invasion, speciation, extinctions, biogeographic realms, human impacts on biodiversity, and conservation.

Credit Hours: 3 Prerequisite Courses:

GGY 130 or GLY 101

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

University Studies: ["Building Competencies/Information Literacy"] Crosslisting:

GLY 532

Course Repeatability: Course may not be repeated.

GGY 433 - Weather Analysis and Forecasting

Course Description:

Introduction to tools of weather analysis and use of these tools to construct weather forecasts.

Credit Hours: 3 Prerequisite Courses:

GGY 230 and GGY 333

Course Repeatability: Course may not be repeated.

GGY 435 - Environmental Geography

Course Description:

A systems approach to understanding past, present and future human impacts on the natural environment, including changes and impacts on the hydrosphere, atmosphere, biosphere, geosphere and cryosphere. A team-based learning experience emphasizing socio-environmental synthesis and concept application through a series of case studies discussion.

Credit Hours: 3 Prerequisite Courses:

GGY 321 or consent of instructor

University Studies: ["Building Competencies/Writing Intensive"] Crosslisting:

GGY 535

Course Repeatability: Course may not be repeated.

GGY 436 - Ice Age Earth

Course Description:

A review of the Quaternary Period, roughly the last two million years of earth history. Topics included the discovery of the ice age, climate change theory, glacial dynamics, geological and biological records of environmental change, and human evolution and migration during the Quaternary.

Credit Hours: 3 Prerequisite Courses:

GGY 130 or GGY 230 or GLY 101 or OCN 150 .

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

GGY 437 - Soils in the Earth Sciences

Course Description:

Pedogenic processes, morphology, classification, and geographic distribution of soils. Lab includes field description of soil profiles and laboratory analysis of soil samples. Three lecture and three laboratory hours each week.

Credit Hours: 4 Prerequisite Courses:

GGY 130 or GLY 101 or GLY 201 or EVS 195 .

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated.

GGY 438 - Geoarchaeology

Course Description:

A survey of the interdisciplinary field of geoarchaeology, broadly defined as the application of geoscience techniques to archaeological sites, materials and problems. Topics include historical interactions between geoscientists and archaeologists, formation of sediments and soils, principles of geological and archaeological stratigraphy, site discovery and analysis by geospatial methods, age dating methods, paleoenvironmental analysis as archaeological context, and mineralogical and microscopic analysis of archaeological materials.

Credit Hours: 3 Prerequisite Courses:

GGY 130 or GGY 230 or ANT 207 or consent of instructor.
Course Repeatability: Course may not be repeated.

GGY 439 - Paleoclimatology

Course Description:
Climatic change throughout geologic time, with an emphasis on Quatenary climate change. Topics include an overview of Earth's climate system, tectonic-scale, orbital-scale, millennial-scale, and future climate change.
Credit Hours: 3 Prerequisite Courses:
GGY 130 or GGY 230 or GLY 101 or consent of instructor.
University Studies: ["Building Competencies/Writing Intensive"] Crosslisting:
GLY 539
Course Repeatability: Course may not be repeated.

GGY 473 - Environmental Land Use Change and Planning

Course Description:
Overview of the concepts and processes related to rural and urban development; growth and change, including land use issues and environmental planning strategies around land, water, and other natural resources; and critical evaluations of regional land use plans and policies. Students will conduct applied research on various regional/environmental land use issues and create outreach and communication tools in oral and written form.
Credit Hours: 3 Prerequisite Courses:
GGY 130 or GGY 321 or EVS 195 or OCN 150 or consent of instructor
Course Repeatability: Course may not be repeated.

GGY 475 - Water Resources: Science and Policy

Course Description:
This multi-disciplinary approach to planetary water management includes the history of water resource issues; natural hydrospheric water processes; water quality constituents in ecosystems and human health; water project construction and management; environmental impact issues of water quality, quantity, and management; and applications of water laws, allocation, economics, and conflict resolution.
Credit Hours: 3 Prerequisite Courses: GGY 130 or EVS 195 or OCN 150 Crosslisting:

GGY 575

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 3

GGY 480 - Advanced Topics in Geography

Course Description:

Selected physical, cultural, regional, or applied topics in geography that are not considered in detail in regular course offerings. More than one topic may be taken for credit.

Credit Hours: 1 To 3 Additional Restrictions/Requirements:

Junior or senior standing or consent of instructor.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

GGY 491 - Directed Individual Study

Course Description:

Involves investigation under faculty supervision beyond what is offered in existing courses. Students work individually on a research project with a faculty member. For further information, consult the

Depending on their interests and abilities, UNCW students may choose from several kinds of special courses and programs to individualize and otherwise enrich their studies.

- This course, designated as 491 in each department, involves investigation beyond what is offered in existing courses. To enroll in a Directed Individual Study, students must be a junior or senior. Additionally, students must have an overall grade point average of at least 2.00 and the approval of (1) the faculty member who will direct the study, (2) the departmental chairperson, and (3) the appropriate dean. Departmental criteria will include (1) the availability of the instructor (instructors may only supervise a limited number of independent studies each semester), (2) the appropriateness of and need for the proposed study in the student's program, (3) the availability of library and other research resources, and (4) the feasibility of completion of the proposed study in the allotted time. Students are limited to nine credit hours of Directed Individual Study toward graduation requirements.

- Several departments within the College of Humanities, Social Sciences, and the Arts and the professional schools offer field experience courses as part of their

semester or summer programs. Participating students conduct individual or group research under faculty guidance at selected areas within and outside the continental United States. Apart from the greater Wilmington area, field experience courses have been conducted in such places as the Florida Keys, Barbados, the Bahamas, Portugal, and parts of Central and South America.

- Raymond L. Burt, *coordinator*
  The German Studies Consortium links participating UNC institutions to facilitate the sharing of teaching and learning resources to enhance German Studies across The University of North Carolina system. This consortium offers a broad array of German Studies courses in the language, literature, and culture of the German-speaking countries taught by specialists in the field. The primary focus is on the sharing of upper-level German classes offered each semester on the North Carolina Information Superhighway. Participant universities include Appalachian State University, East Carolina University, North Carolina State University, the University of North Carolina at Asheville, the University of North Carolina at Charlotte, the University of North Carolina at Greensboro, University of North Carolina Wilmington, and Western Carolina University. For course details, visit the UNC Online Exchange.

- Regina Felix, *coordinator*
  The Portuguese Exhange links participating UNC institutions to facilitate the sharing of teaching and learning resources to enhance Portuguese language and Portugurese and Brazilian Studies across the University of North Carolina system. This exchange offers courses in the language, literature, and culture of the Portuguese-speaking countries taught by specialists in the field. Participant universities include Appalachian State University, North Carolina State University, the University of North Carolina Asheville, the University of North Carolina at Chapel Hill, the Unversity of North Carolina at Charlotte, the University of North Carolina Wilmington, and Winston Salem State University. For course details, visit the UNC Online Exchange.

- Dave Graber, *coordinator*

The Russian Studies Consortium links participating UNC institutions to facilitate the sharing of teaching and learning resources to enhance Russian Studies across The University of North Carolina system. This consortium offers a broad array of Russian Studies courses in the language, literature, history, film, society, and culture in the Russian-speaking countries, which can be taught in the target language and/or in translation by specialists with credentials in Russian Studies. The primary goal focuses on the sharing of elementary, intermediate, and upper level Russian Studies classes offered each semester as well as summer session courses on the North Carolina Information Superhighway and/or fully online. Participant universities include Appalachian State University, East Carolina University, North Carolina State University, The University of North Carolina at Charlotte, The University of North Carolina at Greensboro, and The University of North Carolina Wilmington. Courses are offered through the UNC Online Exchange.

- Raymond L. Burt, UNCW *coordinator*
  The UNC Language Assembly is a cooperative of the language departments of all 17 campuses of the UNC System, and serves the UNC System and the State of North Carolina by supporting the foreign language programs at the constituent institutions and by seeking to offer a wide diversity of foreign language choices to the students at all the UNC campuses. Students are not required to pay tuition at the other campus, since UNCW tuition applies to these courses as well. Courses are taught online or through videoconference technology. Students can directly enroll in language classes offered by campuses through the UNC Online Exchange.

- https://uncw.edu/myuncw/academics/graduate-school/forms

Graduate Courses Taken for Undergraduate Credit

Graduate courses at UNCW or other accredited institutions may be used to fulfill undergraduate requirements if approved by the course instructor, student's department chair, undergraduate dean, and the dean of the Graduate School. All

other transfer credit policies apply. Permission forms may be obtained on the Graduate School forms page under the "Undergraduate Registration for Graduate Courses" section at https://uncw.edu/myuncw/academics/graduate-school/forms.

Graduate Course Taken as an Undergraduate to Later Apply to a Graduate Degree

Undergraduate students who wish to take graduate courses and later receive graduate credit for them must fill out a Docusign to obtain permission in advance from the course instructor, student's department chair and undergraduate dean, and the Graduate School for approval. Graduate courses taken under this provision may not be used to fulfill undergraduate degree requirements. Permission forms may be obtained on the Graduate School form page under the "Undergraduate Registration for Graduate Courses"
section https://uncw.edu/myuncw/academics/graduate-school/forms.

Credit for Approved Combined Degree Programs

Graduate courses used to fulfill an undergraduate degree requirement at UNCW may be applied to a graduate degree only when taken as part of an approved combined degree program. Courses applied toward an awarded degree may not be applied to a second degree except as described by specific degree programs.

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https://www.uncw.edu/global/
The Office of Global Partnerships and International Education is comprised of three units: Education Abroad, English Language Center, and the Office of International Students & Scholars.

Education Abroad

UNCW offers more than 800 education abroad opportunities in more than 50 countries. Options available include coursework taken abroad, international internships for academic credit, credit-bearing service-learning experiences, academic research, and virtual global learning opportunities. UNCW provides education abroad opportunities to suit nearly every major and credit earned through international programs may be applied towards a UNCW degree. Financial aid may be used in conjunction with education abroad programs and scholarships are available. Students may select from short-term and summer programs, as well as semester, year-long and two-year dual degree options.

All applications for any credit-bearing program abroad must be made through the Office of Global Partnerships and International Education.

UNCW students who study abroad retain their active UNCW student status and will not have to re-enroll upon return.

Eligibility requirements include:

- 18 years of age at the time of participation
- Good disciplinary standing
- 2.5+ cumulative grade point average
- Sophomore+ status (select programs are open to first-year students)
- Any program-specific requirements
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Several programs in the College of Humanities, Social Sciences, and the Arts, College of Science and Engineering, College of Education, College of Health and Human Services, and the Cameron School of Business offer students the opportunity to earn academic credit within a work environment external to the program. The purpose of the internship experience is to enhance, supplement, and integrate the learning that occurs in formal classroom settings. Permission of the dean and program offering the internship is required to enroll, and the program places limits on the number of credit hours earned applicable toward graduation. Internships designated by a 498 number will be graded on a Pass (P), Fail (F) basis. These credit hours earned will count towards the number of hours required to graduate, but the grade of Pass (P) will be excluded from the computation of the GPA. For further information on internships, refer to the courses numbered 498 in

the course listings and then contact the departments offering them.

- The North Carolina Child Welfare Education Collaborative is a university-agency partnership that ensures a quality work force in child welfare settings. The educational goal of this program is to directly address the workforce need for social workers in child welfare settings. Administered by the Jordan Institute for Families, the collaborative includes North Carolina social work education programs, the NC Division of Social Services, the NC Association of County Directors of Social Services and the NC Chapter of the National Association of Social Workers. Educating, training, and supporting current and future social workers in child welfare meets the goal of strengthening families and protecting children. The collaborative offers focused educational courses, training and field experience in child welfare agencies. Participating universities include Appalachian State University, University of North Carolina at Chapel Hill, East Carolina University, North Carolina State University, Joint Masters of Social Work Program at University of North Carolina at Greensboro and North Carolina Agricultural and Technical State University, and University of North Carolina Wilmington.

- The Reverse Transfer Program is a collaborative effort between North Carolina's Community Colleges and the University of North Carolina's 16 constituent institutions. Students who transfer to UNC Wilmington from one of the 58 North Carolina community colleges are given the opportunity to combine the credits earned at UNCW with credit already earned at the community college to determine if the associate degree requirements have been met. Students have the opportunity to opt-in to this program at the time of admission as a transfer student. There is no cost to participate. For more information, contact the Office of the Registrar.
  Eligibility: Students must have earned at least 16 college-level credit hours at one community college applicable towards their degree, to be eligible to participate. After earning a total of 60 combined credits, the student's UNCW records will be sent back to their previous community college for evaluation. The community college will contact students via their UNCW email, with further details, if the Associate degree is awarded.

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Several UNCW courses employ service-learning opportunities. Service learning is an innovative method of teaching and learning that combines thoughtfully organized service to the community with other means of instruction. Community service-projects are integrated into and enhance the academic curriculum of students, fitting naturally into the philosophy and pedagogy of a variety of disciplines and fostering civic responsibility. Both students and the community benefit from service learning. Service-learning courses have several strengths, not the least of which is that they are adaptable to the needs of the community while providing structured time for the students to reflect on the service experience.

section in the catalogue.
Credit Hours: 1 To 3 Additional Restrictions/Requirements:
Junior or senior standing, overall GPA of at least 2.00, and consent of instructor, department chair and dean.
University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

GGY 494 - International Field Experience in Geography

Course Description:
Students will gain a deep understanding of diverse geographic topics in international settings. The class may include preparatory lectures and readings, faculty-led field trips, study abroad in classroom settings, and applied learning or research projects.
Credit Hours: 1 To 6 Additional Restrictions/Requirements:
Consent of instructor.
University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

GGY 498 - Internship in Applied Geography

Course Description:
Supervised practical experience with a professional geographic agency. Area of concentration, requirements, and means of evaluation to be defined in consultation with faculty. Interns work with local and regional professionals as they conduct business.
Credit Hours: 1 Prerequisite Courses:
GGY 220 or GGY 321 or GGY 322
Additional Restrictions/Requirements:

Junior or senior standing, prerequisite courses, a 2.50 grade point average, and consent of instructor.
University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Repeat Limit: 1 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

GGY 499 - Honors Work in Geography

Course Description:
Individual study for honors students. Students work with a faculty member and honors thesis committee to conduct focused research leading to an honors thesis.
Credit Hours: 2 To 3 Additional Restrictions/Requirements:
Eligibility for honors program and recommendation of department chairperson.
University Studies: ["Building Competencies/Writing Intensive", "Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

GLY 101 - Earth Revealed

Course Description:
An introduction to Geology covering fundamental topics including plate tectonics, geologic time, and Earth materials with emphasis on how geology affects the natural environment, controls distribution of natural resources, and poses risks to humans. Contemporary issues covered include natural resource use (water, energy), geohazards, coastal processes, and climate change.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Scientific Approaches to the Natural World", "Living in a Global Society"] Course Repeatability: Course may not be repeated.

GLY 120 - Environmental Geology

Course Description:
Introduction to the relationships between man and his geologic environment. Concerned with the problems that people have in using the earth and the reaction of the earth to that use. Emphasis is placed on earth processes, earth resources, and properties of rocks and surficial deposits insofar as they are important to or affect human activities.
Lab:
The lab for this course is GLYL 120 .

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Scientific Approaches to the Natural World", "Approaches and Perspectives/Living in a Global Society"] Course Repeatability: Course may not be repeated.

GLY 125 - Natural Disasters

Course Description:

Examination of the causes, effects, and options available to mitigate actual disasters, such as earthquakes, volcanic eruptions, landslides, subsidence, flooding, severe weather, and meteorite impacts. Case histories are used to demonstrate scientific principles and socioeconomic issues.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Scientific Approaches to the Natural World", "Approaches and Perspectives/Living in a Global Society"] Course Repeatability: Course may not be repeated.

GLY 132 - The Earth Through Time

Course Description:

Geologic history of the earth and the fossil record. Methods of dating rocks and fossils, interpreting ancient environments and the age of the earth. Field trips.

Credit Hours: 4 Prerequisite Courses:

GLY 101 or GLY 120 or GGY 130 .

Course Repeatability: Course may not be repeated.

GLY 135 - Prehistoric Life

Course Description:

Introduction to the field of paleontology and the fossil record; the succession of life from its earliest beginnings through the Age of Dinosaurs to modern Man; evolutionary, environmental and ecological analyses of fossil plants and animals based on biologic and geologic principles.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Scientific Approaches to the Natural World"] Course Repeatability: Course may not be repeated.

GLY 200 - Methods in Geology

Course Description:

Introduction to various bibliographic, graphic, field, and laboratory methods essential to geologic studies. Weekly projects and required field trips.

Credit Hours: 3 Prerequisite Courses:
(GLY 101 or GLY 120) and GLYL 120
Course Repeatability: Course may not be repeated.

GLY 201 - Mineralogy

Course Description:
Introduction to the formation, chemistry, symmetry, structure and natural occurrence of minerals. Principles of physical properties, crystal chemistry, crystallography, and mineral genesis. Study of the geologically important rock-forming mineral groups and associations. Introduction to optical mineralogy and the use of the petrographic microscope. Computer applications in geology. Required field trip(s).
Credit Hours: 4 Prerequisite Courses:
Prerequisite:GLY 101 or GLY 120 and GLYL 120 or GGY 130 . Prerequisite or corequisite: CHM 101 and CHML 101 .
Course Repeatability: Course may not be repeated.

GLY 205 - Earth Materials

Course Description:
Introduction to the solid materials that form the Earth and the geological techniques and methods that are used to identify and describe these materials.
Credit Hours: 3 Prerequisite Courses:
GLY 101 and GLYL 101) or (GLY 120 and GLYL 120).
Course Repeatability: Course may not be repeated.

GLY 220 - Field Methods in Environmental Sciences

Course Description:
Field intensive introduction to data collection methods and analytic procedures associated with monitoring, assessment and management of environmental problems. Required field trips.
Credit Hours: 3 Prerequisite Courses:
(GLY 101 or GLY 120) and (GLYL 120 or GGY 130)
Course Repeatability: Course may not be repeated.

GLY 226 - Principles of Hydrology

Course Description:
Covers the three main components of terrestrial hydrology: (1) atmospheric water, precipitation, and surface-atmosphere interactions; (2) groundwater, infiltration, substance flow, and aquifers; and (3) surface water, watersheds, rivers and floods. Lectures and exercises focus on collecting and interpreting hydrological data to address environmental issues.
Credit Hours: 3 Prerequisite Courses:
GGY 130 or GLY 101 or GLY 120
Crosslisting:
GGY 235
Course Repeatability: Course may not be repeated.

GLY 240 - Geology of North Carolina

Course Description:
General summary of North Carolina geology including mineral and rock resources. Geology of selected state parks.
Credit Hours: 3 Additional Restrictions/Requirements:
Any 100-level geology course or consent of instructor.
Course Repeatability: Course may not be repeated.

GLY 280 - Special Topics in Geology

Course Description:
Study of selected topics in geology that are not considered in detail in regular course offerings. Taught on demand.
Credit Hours: 1 To 4 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

GLY 291 - Introductory Research in Geology

Course Description: Laboratory and computational research under faculty supervision beyond what is offered in existing courses. Credit Hours: 1 Additional Restrictions/Requirements: Freshman or sophomore standing, and consent of instructor and department chair. Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 3 Repeat Limit: 2

GLY 310 - General Petrology

Course Description:

Survey of the major igneous, sedimentary, and metamorphic rock groups. Emphasis is on classification, textural features, mode of occurrence, environments of origin and economic importance. Laboratory stresses rock identification and typical rock associations. Required field trips.

Credit Hours: 4 Prerequisite Courses:

GLY 201 or GLY 205

Course Repeatability: Course may not be repeated.

GLY 311 - Igneous and Metamorphic Petrology

Course Description:

Theories of genesis of the major igneous and metamorphic rocks in the light of chemistry, mineralogy, structure and texture, field associations, and experimental data. Relationship between igneous and metamorphic processes and crust-mantle tectonic activity. Required field trips. Two lecture and two laboratory hours each week.

Credit Hours: 3 Prerequisite Courses:

GLY 201

Course Repeatability: Course may not be repeated.

GLY 335 - Geomorphology

Course Description:

A systematic treatment of the surface processes that shape fluvial, glacial, aeolian, and coastal landforms. Themes include process mechanics, description and classification of landforms, and evolution of landform systems. Students work individually or in a small groups to analyze geomorphological data in field and laboratory settings.

Credit Hours: 4 Prerequisite Courses:

(GGY 130 or GLY 101 or GLY 120) and GLYL 120

Crosslisting:

GGY 335

Course Repeatability: Course may not be repeated.

GLY 337 - Invertebrate Paleontology

Course Description:

History of fossil protistans and invertebrates with emphasis on the principles of

paleontology, systematics and evolution, and on the use of fossils in stratigraphic correlation. Required field trips. Two lecture and two laboratory hours each week.
Credit Hours: 3 Prerequisite Courses:

GLY 132

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

University Studies: ["Building Competencies/Writing Intensive", "Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

GLY 365 - Written Communication in Geology

Course Description:

Development of written scientific communication skills for topics related to the geosciences.

Credit Hours: 2 University Studies: ["Building Competencies/Information Literacy", "Building Competencies/Writing Intensive", "Critical Reasoning"] Course Repeatability: Course may not be repeated. Major Restriction: Geography and Geospatial Science, Geosciences, Geology, Oceanography

GLY 390 - Field Methods in Geosciences

Course Description:

Applied study of geological materials and processes in field settings. Introduction to methods and techniques used in the geosciences including field measurement, sample retrieval and data analysis. Colloquium and required field trips.

Credit Hours: 2 Prerequisite Courses:

GLY 132

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

University Studies: ["Explorations Beyond the Classroom", "Common Requirements/Critical Reasoning"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 4 Repeat Limit: 2 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:

Additional Course Fee Schedule

GLY 395 - Oral Communication in Geology

Course Description:

Includes oral presentations and computer applications in Geology.

Credit Hours: 1 Prerequisite or Corequisite Courses:

Prerequisite or Corequisite: GGY 365 or GLY 365 or OCN 365

Course Repeatability: Course may not be repeated.

GLY 402 - Advanced Mineralogy

Course Description:

Advanced techniques for mineral analysis and identification. Introduction to the theory and application of x-ray diffraction and fluorescence, the electron microprobe, spectroscopy, and reflected light microscopy.

Credit Hours: 4 Prerequisite Courses:

GLY 201

Course Repeatability: Course may not be repeated.

GLY 416 - Sedimentary Petrology

Course Description:

Classification and description of siliciclastic, carbonate, chemical, and carbonaceous sedimentary rocks. Survey of sedimentary depositional environments. Aspects of weathering, erosion, transportation, deposition, burial, and lithification. Laboratory exercises concentrate on microscopic and chemical analytical techniques. Field trips; fees may be required.

Credit Hours: 3 Prerequisite Courses:

GLY 201 and GLY 310 and GLY 331

Additional Restrictions/Requirements:

Prerequisite courses or consent of instructor.

Crosslisting:

GLY 516

Course Repeatability: Course may not be repeated.

GLY 420 - Global Climate Change

Course Description:

Analysis of natural and anthropogenic global climate change with an emphasis on future global climate change. Topics include Earth's energy balance, the global carbon cycle, climate modeling, atmospheric composition, and dynamics. Review of geographical variation in climate change.

Credit Hours: 3 Prerequisite Courses:

GGY 230

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

University Studies: ["Building Competencies/Writing Intensive"] Crosslisting:

GGY 420 , PHY 420

Course Repeatability: Course may not be repeated.

GLY 426 - Geohydrology

Course Description:

Geology of groundwater and related aspects of surface waters. Methods of ground water resource evaluation, protection, exploitation, and contaminant remediation.

Credit Hours: 3 Prerequisite Courses:

(GLY 101 or GLY 120 or OCN 150 or GGY 130), and (MAT 112 or MAT 160 or MAT 152 or MAT 161)

Additional Restrictions/Requirements:

Junior or senior standing in geology, geoscience, geography, oceanography and/or environmental sciences, prerequisite courses, and consent of instructor.

Crosslisting:

GLY 526

Course Repeatability: Course may not be repeated.

GLY 431 - Sedimentology and Stratigraphy

Course Description:

Introduction to the observation, description, and interpretation of sediment and sedimentary rock; the physical and chemical processes controlling weathering, sediment transport, deposition, and diagenesis; and the interpretation of depositional environments and layered rock successions. Field trips; fees may be required. Three lecture and three laboratory hours each week.

Credit Hours: 4 Prerequisite Courses:

GLY 310 or permission of instructor.

University Studies: ["Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

GLY 439 - Paleoclimatology

Course Description:

Climatic change throughout geologic time, with an emphasis on Quatenary climate change. Topics include an overview of Earth's climate system, tectonic-scale, orbital-scale, millennial-scale, and future climate change.
Credit Hours: 3 Prerequisite Courses:
GGY 130 or GGY 230 or GLY 101
Additional Restrictions/Requirements:
Prerequisite course or consent of instructor.
University Studies: ["Building Competencies/Writing Intensive"] Crosslisting:
GLY 539
Course Repeatability: Course may not be repeated.

GLY 440 - Regional Geology of North America

Course Description:
A survey of the rocks, structures, natural resources, fossils, and tectonic histories of different regions of North America, such as the Precambrian Shield, Appalachians, and Cordillera.
Credit Hours: 3 Prerequisite Courses:
GLY 205 or GLY 310 .
Course Repeatability: Course may not be repeated.

GLY 441 - Structural Geology

Course Description:
Introduction to the mechanics, fabrics, and geometry of rock deformation, including stress-strain relationships, folds and folding, and faulting and fracturing of rocks. Required field trip.
Credit Hours: 4 Prerequisite Courses:
GLY 132 and GLY 310
Additional Restrictions/Requirements:
Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated. Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

GLY 443 - Tectonics

Course Description:

Explores ideas on plate tectonic theory including assessment of data that lead to its acceptance. Examines a broad range of tectonic principles and dynamics using modern and ancient examples, and considers controls on geological and geophysical processes from Earth's core to crust. Includes geometry of present and past plate boundaries and motions, development of plates including sea-floor spreading, subduction, and orogeny, evolution of continents and ocean basins, and tectonic driving mechanisms.

Credit Hours: 3 Prerequisite Courses:

GLY 201 or GLY 310 or GLY 441

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Crosslisting:

GLY 543

Course Repeatability: Course may not be repeated.

GLY 445 - Sedimentary Basin Analysis

Course Description:

Evaluation of factors controlling sedimentary basin formation and evolution. Interpretation of subsidence mechanisms and evaluation of sedimentary processes through basin-scale analysis of the stratigraphic record. Aspects of sequence stratigraphy, sediment provenance, and the tectonics of sedimentary basins. Field trips; fees may be required.

Credit Hours: 3 Prerequisite Courses:

GLY 331 and GLY 441

Additional Restrictions/Requirements:

Prerequisite courses or consent of instructor.

Crosslisting:

GLY 545

Course Repeatability: Course may not be repeated.

GLY 450 - Geological Oceanography

Course Description:

Physiography, petrology, structure, sediments and geologic history of the ocean floor, including estuarine and coastal environments.

Credit Hours: 4 Prerequisite Courses:

GLY 201 or GLY 205 or OCN 350

Course Repeatability: Course may not be repeated.

GLY 454 - Coastal Geomorphology

Course Description:

Provides an in-depth analysis of the coastal landforms that line the world's coasts. Understanding how these land forms are created, evolve and erode is necessary to understanding the spatiotemporal evolution of the coastal zone.

Credit Hours: 3 Prerequisite Courses:

OCN 150 or OCN 250 or GLY 101 or GLY 120 or GLY 125 or GGY 130 or EVS 195

Course Repeatability: Course may not be repeated.

GLY 460 - Advanced Stratigraphy

Course Description:

The description, organization, classification, and interpretation of layered rock successions. Aspects of both surface and subsurface analysis of stratigraphic data. The use of stratigraphic principles in elucidating earth history. Cyclic and sequence stratigraphy. Field trips; fees may be required.

Credit Hours: 3 Prerequisite Courses:

GLY 331

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Crosslisting:

GLY 560

Course Repeatability: Course may not be repeated.

GLY 465 - Introduction to Geophysics

Course Description:

Integrated application of geophysical methods to solve environmental and geologic problems. Includes discussion of reflection/refraction seismology, ground penetrating radar and gravity. Two lectures and three laboratory hours each week.

Credit Hours: 3 Prerequisite Courses:

GLY 101 and (MAT 112 or MAT 160 or MAT 152 or MAT 161)

Crosslisting:

GLY 565 .

Course Repeatability: Course may not be repeated.

GLY 470 - Field Course in Geology

Course Description:

Intensive geological field mapping in various geological settings. Capstone emphasis on prior geological knowledge, critical thinking, and problem-solving skills. Interpretation of field data and solving field-based problems in small groups under direct faculty supervision. Includes preparation of geological maps and cross sections using digital topographic map, detailed lithologic descriptions outcrop questions and local geologic history. Course fees apply. Students must register for lecture and laboratory.

Credit Hours: 4 Prerequisite Courses:

(GLY 310 or GLY 311 and GLY 416) and GLY 431 , GLY 390 , GLY 441 and GLY 471 .

Additional Restrictions/Requirements:

Prerequisite courses or consent of instructor.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated. Additional Course Fees: ["Student Blanket Professional Liability Insurance"]

Additional Fees Link:

Additional Course Fee Schedule

GLY 471 - Techniques in Applied Geology

Course Description:

A companion course to GLY 470 providing experience in advanced techniques of geologic map reading and interpretation, data and location acquisition, mineral and rock description, sketching and sampling, structural mapping, and map and cross section design and format. Field trip required. Individual and group activities required. Course fees required.

Credit Hours: 1 Prerequisite Courses:

Prerequisites: (GLY 310 or GLY 311 and GLY 416) and GLY 441 . Prerequisites or corequisites: GLY 390 and GLY 431 .

Additional Restrictions/Requirements:

Prerequisite and corequisite courses, or consent of instructor.

Course Repeatability: Course may not be repeated.

GLY 472 - Introduction to Geochemistry

Course Description:

Investigation of the abundance and distribution of chemical elements in the Earth's crust, mantle, atmosphere, hydrosphere, and biosphere. Introduction to thermodynamics, phase and mineral equilibrium, stable and radiogenic isotopes, and geochronology. Emphasizes the application of geochemical processes to solving geologic and environment problems, with selected examples from field and laboratory studies.

Credit Hours: 3 Prerequisite Courses:

GLY 101 and CHM 101 and CHML 101 .

Additional Restrictions/Requirements:

Prerequisite courses and consent of instructor.

Crosslisting:

GLY 572

Course Repeatability: Course may not be repeated.

GLY 473 - Isotope Geochemistry

Course Description:

Introduction to the use of radio and stable isotopes for studying environmental processes; radioactive decay and the applications of radioisotopes at daily to earth history time scales; isotopic fractionation, and applications of stable isotopes in modern and paleoenvironments.

Credit Hours: 3 Prerequisite Courses:

CHM 101 and CHML 101 , and CHM 102 and CHML 102 .

Additional Restrictions/Requirements:

Prerequisite courses and consent of instructor.

Crosslisting:

GLY 573

Course Repeatability: Course may not be repeated.

GLY 480 - Advanced Topics in Geology

Course Description:

Study of selected topics in geology that are not considered in detail in regular course offerings. Examples of specific topics are plate tectonics, seismology, depositional

systems, groundwater hydrology, geochronology, and advanced paleontology. Taught on demand. More than one topic may be taken for credit.
Credit Hours: 1 To 4 Additional Restrictions/Requirements:
Junior or senior standing in department and consent of instructor.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

GLY 489 - Contemporary Issues in Geoscience

Course Description:
Examines current problems based on Earth-systems approach utilizing a combination of field, laboratory, and literature study. Emphasizes application of prior geological knowledge and problem solving skills in the context of individual or small group student research projects under direct faculty supervision. Requires written reports and oral presentations of results in approved professional format.
Credit Hours: 3 Additional Restrictions/Requirements:
Senior standing and major, and completion of 15 hours of courses in the major above the 199 level.
Course Repeatability: Course may not be repeated.

GLY 491 - Directed Individual Study

Course Description:
Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the
Depending on their interests and abilities, UNCW students may choose from several kinds of special courses and programs to individualize and otherwise enrich their studies.

- This course, designated as 491 in each department, involves investigation beyond what is offered in existing courses. To enroll in a Directed Individual Study, students must be a junior or senior. Additionally, students must have an overall grade point average of at least 2.00 and the approval of (1) the faculty member who will direct the study, (2) the departmental chairperson, and (3) the appropriate dean. Departmental criteria will include (1) the availability of the instructor (instructors may only supervise a limited number of independent studies each semester), (2) the appropriateness of and need for the proposed study in the student's program, (3) the availability of library and other research resources, and (4) the feasibility of completion of the proposed study in the allotted time. Students are limited to nine

credit hours of Directed Individual Study toward graduation requirements.

- Several departments within the College of Humanities, Social Sciences, and the Arts and the professional schools offer field experience courses as part of their semester or summer programs. Participating students conduct individual or group research under faculty guidance at selected areas within and outside the continental United States. Apart from the greater Wilmington area, field experience courses have been conducted in such places as the Florida Keys, Barbados, the Bahamas, Portugal, and parts of Central and South America.

- Raymond L. Burt, *coordinator*
  The German Studies Consortium links participating UNC institutions to facilitate the sharing of teaching and learning resources to enhance German Studies across The University of North Carolina system. This consortium offers a broad array of German Studies courses in the language, literature, and culture of the German-speaking countries taught by specialists in the field. The primary focus is on the sharing of upper-level German classes offered each semester on the North Carolina Information Superhighway. Participant universities include Appalachian State University, East Carolina University, North Carolina State University, the University of North Carolina at Asheville, the University of North Carolina at Charlotte, the University of North Carolina at Greensboro, University of North Carolina Wilmington, and Western Carolina University. For course details, visit the UNC Online Exchange.

- Regina Felix, *coordinator*
  The Portuguese Exhange links participating UNC institutions to facilitate the sharing of teaching and learning resources to enhance Portuguese language and Portugurese and Brazilian Studies across the University of North Carolina system. This exchange offers courses in the language, literature, and culture of the Portuguese-speaking countries taught by specialists in the field. Participant universities include Appalachian State University, North Carolina State University, the University of North Carolina Asheville, the University of North Carolina at Chapel Hill, the Unversity of North Carolina at Charlotte, the University of North

Carolina Wilmington, and Winston Salem State University. For course details, visit the UNC Online Exchange.

- Dave Graber, *coordinator*
  The Russian Studies Consortium links participating UNC institutions to facilitate the sharing of teaching and learning resources to enhance Russian Studies across The University of North Carolina system. This consortium offers a broad array of Russian Studies courses in the language, literature, history, film, society, and culture in the Russian-speaking countries, which can be taught in the target language and/or in translation by specialists with credentials in Russian Studies. The primary goal focuses on the sharing of elementary, intermediate, and upper level Russian Studies classes offered each semester as well as summer session courses on the North Carolina Information Superhighway and/or fully online. Participant universities include Appalachian State University, East Carolina University, North Carolina State University, The University of North Carolina at Charlotte, The University of North Carolina at Greensboro, and The University of North Carolina Wilmington. Courses are offered through the UNC Online Exchange.

- Raymond L. Burt, UNCW *coordinator*
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- https://uncw.edu/myuncw/academics/graduate-school/forms

Graduate Courses Taken for Undergraduate Credit

Graduate courses at UNCW or other accredited institutions may be used to fulfill undergraduate requirements if approved by the course instructor, student's department chair, undergraduate dean, and the dean of the Graduate School. All other transfer credit policies apply. Permission forms may be obtained on the Graduate School forms page under the "Undergraduate Registration for Graduate Courses" section at https://uncw.edu/myuncw/academics/graduate-school/forms.

Graduate Course Taken as an Undergraduate to Later Apply to a Graduate Degree

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Graduate courses used to fulfill an undergraduate degree requirement at UNCW may be applied to a graduate degree only when taken as part of an approved combined degree program. Courses applied toward an awarded degree may not be applied to a second degree except as described by specific degree programs.

- https://www.uncw.edu/global/

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Education Abroad

UNCW offers more than 800 education abroad opportunities in more than 50 countries. Options available include coursework taken abroad, international internships for academic credit, credit-bearing service-learning experiences, academic research, and virtual global learning opportunities. UNCW provides education abroad opportunities to suit nearly every major and credit earned through international programs may be applied towards a UNCW degree. Financial aid may be used in conjunction with education abroad programs and scholarships are available. Students may select from short-term and summer programs, as well as semester, year-long and two-year dual degree options.

All applications for any credit-bearing program abroad must be made through the Office of Global Partnerships and International Education.

UNCW students who study abroad retain their active UNCW student status and will not have to re-enroll upon return.

Eligibility requirements include:

- 18 years of age at the time of participation
- Good disciplinary standing
- 2.5+ cumulative grade point average
- Sophomore+ status (select programs are open to first-year students)
- Any program-specific requirements
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Several programs in the College of Humanities, Social Sciences, and the Arts, College of Science and Engineering, College of Education, College of Health and Human Services, and the Cameron School of Business offer students the opportunity to earn academic credit within a work environment external to the program. The purpose of the internship experience is to enhance, supplement, and integrate the learning that occurs in formal classroom settings. Permission of the dean and program offering the internship is required to enroll, and the program

places limits on the number of credit hours earned applicable toward graduation. Internships designated by a 498 number will be graded on a Pass (P), Fail (F) basis. These credit hours earned will count towards the number of hours required to graduate, but the grade of Pass (P) will be excluded from the computation of the GPA. For further information on internships, refer to the courses numbered 498 in the course listings and then contact the departments offering them.

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Eligibility: Students must have earned at least 16 college-level credit hours at one community college applicable towards their degree, to be eligible to participate. After earning a total of 60 combined credits, the student's UNCW records will be

sent back to their previous community college for evaluation. The community college will contact students via their UNCW email, with further details, if the Associate degree is awarded.

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section in this catalogue.

Credit Hours: 1 To 3 Additional Restrictions/Requirements:

Junior or senior standing, overall GPA of at least 2.00, and consent of instructor, department chair and dean.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

GLY 494 - International Field Experience in Geology

Course Description:

Geologic field methods and investigations in international settings. Focused study on tectonic environments and natural resource and hazard issues. Includes lectures and readings, faculty-led trips, and applied learning projects.

Credit Hours: 1 To 6 Prerequisite Courses:

Permission of instructor.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

GLY 495 - Senior Seminar

Course Description:

Includes oral presentations and computer applications in Geology.

Credit Hours: 1 To 3 Additional Restrictions/Requirements:

Senior standing and major, and completion of 18 hours in the major from courses at

the 200-level and above.
University Studies: ["Building Competencies/Information Literacy"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 3 Repeat Limit: 1

GLY 498 - Internship in Geology

Course Description:
Practical training experience with agency or business conducting geological services. Jointly evaluated by geology faculty member and on-site supervisor.
Credit Hours: 1 to 6 Additional Restrictions/Requirements:
Junior or senior standing and major, minimum GPA 2.50 overall, and consent of instructor.
University Studies: ["Explorations Beyond the Classroom", "Common Requirements/Critical Reasoning"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Repeat Limit: 1 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

GLY 499 - Honors Work in Geology

Course Description:
Individual study for honors students.
Credit Hours: 2 To 3 Additional Restrictions/Requirements:
Eligibility for honors program and recommendation of department chairperson.
University Studies: ["Building Competencies/Writing Intensive", "Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

GLYL 100 - Earth Systems Laboratory

Course Description:
Survey level laboratory exploration of earth materials, atmospheric and ocean environments, surficial processes, climate change, and their impacts on society. Designed to complement lecture content in introductory earth science courses but can be taken as a stand-alone course.
Credit Hours: 1 University Studies: ["Approaches and Perspectives: Scientific Approaches to the Natural World"] Course Repeatability: Course may not be repeated.

GLYL 101 - Earth Revealed Laboratory

Course Description:

Introduction to applied use of rock and mineral samples, maps, and models in geology. Topics include plate tectonics, mineral and rock identification and resources, geologic time, mountain building, earthquakes, volcanoes, river processes and flooding, groundwater, coastal processes and storms, energy, and climate change.

Credit Hours: 1 Prerequisite or Corequisite Courses:

GLY 101 .

University Studies: ["Approaches and Perspectives: Scientific Approaches to the Natural World"]

Course Repeatability: Course may not be repeated.

GLYL 120 - Environmental Geology Lab

Course Description:

Laboratory analysis of earth materials and resources. Applications of geologic principles to solving current environmental problems.

Lab:

This course is the lab for GLY 120 .

Credit Hours: 1 Prerequisite Courses:

Prerequisite or corequisite: GLY 120 .

University Studies: ["Approaches and Perspectives/Scientific Approaches to the Natural World"]

Course Repeatability: Course may not be repeated.

OCN 150 - Introduction to Oceanography

Course Description:

An introduction to the geology, physics, chemistry, and biology of the ocean; instruments and techniques of oceanography; resources of the ocean.

Lab:

The lab for this course is OCNL 150 .

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Scientific Approaches to the Natural World"] Course Repeatability: Course may not be repeated.

OCN 250 - Coasts and Society

Course Description:

Variability of coastal landforms, the processes that shape them, problems brought about by natural and anthropogenic changes, and the role of culturally-based perceptions on valuation and management of coastal systems. Focus on coastal environments of populated continents and island nations including barrier islands, rocky coasts, dunes, estuaries, marshes and deltas.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Scientific Approaches to the Natural World", "Approaches and Perspectives/Living in a Global Society", "Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

OCN 291 - Introductory Research in Oceanography

Course Description:
Laboratory and computational research under faculty supervision beyond what is offered in existing courses.
Credit Hours: 1 To 3 Additional Restrictions/Requirements:
Freshman or sophomore standing, and consent of instructor and department chair.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 3

OCN 350 - Advanced Oceanography

Course Description:
An in-depth examination of the structure and formation of ocean basins, the role of oceans in the hydrological cycle, the physical properties of seawater, atmospheric and ocean circulation, waves, and tides. Emphasis on data analysis and quantitative problem solving.
Credit Hours: 3 Prerequisite Courses:
OCN 150
University Studies: ["Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

OCN 365 - Written Communication in Oceanography

Course Description:
Development of written scientific communication skills for topics related to the oceanography discipline.
Credit Hours: 2 University Studies: ["Building Competencies/Information Literacy", "Building Competencies/Writing Intensive", "Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated. Major Restriction: Geography and Geospatial

OCN 390 - Field Methods in Oceanography

Course Description:

Applied study of ocean materials and processes in field settings. Introduction to methods and techniques used in geosciences, with emphasis on coastal and marine environments, including field measurement, sample retrieval, and data analysis. Colloquium and required field trips (with associated costs).

Credit Hours: 2 Prerequisite Courses:

OCN 150

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

University Studies: ["Building Competencies/Information Literacy", "Critical Reasoning", "Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Repeat Limit: 2 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:

Additional Course Fee Schedule

OCN 395 - Oral Communication in Oceanography

Course Description:

Development of oral presentation skills for topics related to the oceanography discipline.

Credit Hours: 1 Prerequisite or Corequisite Courses:

GGY 365 or GLY 365 or OCN 365

Course Repeatability: Course may not be repeated.

OCN 451 - Coastal Wetlands

Course Description:

Analysis of types of coastal wetlands and their evolution. Discussion of physical, chemical, geological, and biological processes controlling development and maintenance of these systems in response to natural and anthropogenic forcing factors.

Credit Hours: 3 Prerequisite Courses:

OCN 350

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated.

OCN 453 - Seafloor Mapping

Course Description:
Survey of different methods used to map the seafloor and sub-seafloor, including multibeam sonar, sidescan sonar, seismic reflection, and satellite altimetry. Operation of instruments, survey strategies, and techniques to process and interpret data will be explored. Three lecture and three laboratory hours per week. Shipboard field trip is required.
Credit Hours: 4 Prerequisite Courses:
One of OCN 150 , GLY 101 , GLY 120 , GLY 125 , GGY 130 , or EVS 195 .
Crosslisting:
GLY 551 .
Course Repeatability: Course may not be repeated.

OCN 456 - Nearshore Processes

Course Description:
This class focuses on understanding the physical processes that dominate nearshore coastal environments including tidal fluctuations, wave propagation and dissipation, cross-shore and longshore currents, and surf zone sediment transport.
Credit Hours: 3 Prerequisite Courses:
OCN 150 .
Course Repeatability: Course may not be repeated.

OCN 458 - Introduction to Coastal Management

Course Description:
Interdisciplinary study of human impact on coastal environments and organisms. Topics include the physical and biotic settings of worldwide coastal regions, principles of coastal management, current topics in coastal management, and analysis of potential solutions to coastal problems.
Credit Hours: 4 Additional Restrictions/Requirements:
Junior or senior standing or consent of instructor.
Course Repeatability: Course may not be repeated.

OCN 470 - Ocean Observing Systems

Course Description:

Examination of the U.S. Integrated Ocean Observing System. U.S. IOOS is an organization of systems that routinely and continuously provides quality controlled data and information on current and future states of the oceans and Great Lakes from the global scale of ocean basins to local scales of coastal ecosystems. This course explores the technology, data management practices, governance structures, and stakeholder engagement that enables IOOS to help decision makers address seven societal goals.

Credit Hours: 1 To 6 Prerequisite Courses:

Prerequisite or corequisite: OCN 350 .

Additional Restrictions/Requirements:

Junior or senior Oceanography major status or consent of instructor.

Course Repeatability: Course may not be repeated. Major Restriction: Oceanography

OCN 471 - Oceanographic Cruise Techniques

Course Description:

Data collection and sampling techniques on a research vessel. Introduction to equipment methods and techniques used in oceanography including CTD casts, sidescan sonar operation and data analysis, and sediment coring via participation in two half-day cruises led by UNCW oceanography faculty members.

Credit Hours: 1 Prerequisite Courses:

OCN 350 or OCN 390

Additional Restrictions/Requirements:

Prerequisite courses or consent of instructor.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated.

OCN 474 - Ocean Acidification

Course Description: Exploration of the dynamic nature of our oceans, including the causes and impacts of ocean acidification on marine life and biogeochemical cycles today, and throughout Earth's history. Lectures, interactive group tasks, and student-driven dialogues on this critical environmental issue. Credit Hours: 3 Prerequisite Courses: OCN 150 or CHM 101 or GLY 101 or GLY 120 or permission from instructor. Course Repeatability: Course may not be repeated.

OCN 475 - Marine Biogeochemistry

Course Description:

A geochemical perspective on the chemistry of the world's oceans with an emphasis on carbon cycling through the marine geosphere and biosphere. Topics include introductions to chemical oceanography, stable isotope geochemistry, paleoceanography, and investigations into the role of the oceans in the global carbon cycle through time.

Credit Hours: 3 Prerequisite Courses:

CHM 101 and CHML 101 ; and CHM 102 and CHML 102 .

Additional Restrictions/Requirements:

Prerequisite courses or consent of instructor.

Crosslisting:

GLY 575 .

Course Repeatability: Course may not be repeated.

OCN 476 - Marine Pollution

Course Description:

Overview of current topics in marine pollution with discussion on the geochemical aspects of the sources, transport, and fate of pollutants as well as impacts to biota in the marine environment. Laboratory stresses application of concepts learned in lecture. Three lecture three laboratory hours each week.

Credit Hours: 4 Prerequisite Courses:

(OCN 150 or GLY 101) and OCN 365 , or consent of instructor.

University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

OCN 479 - Smart Coasts

Course Description:

Advanced design and analysis of Smart Coastal monitoring systems and datasets. Study and application of the techniques used to observe coastal dynamics in near real time and provide not just data but also distilled information for research, operational, and educational uses.

Credit Hours: 2 Prerequisite Courses:

OCN 350.

Course Repeatability: Course may not be repeated.

OCN 480 - Advanced Topics in Oceanography

Course Description:
Study of selected topics in oceanography that are not considered in detail in regular course offerings.
Credit Hours: 1 To 4 Additional Restrictions/Requirements:
Oceanography major, junior or senior standing and major and consent of instructor.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 7

OCN 485 - Relative Sea Level

Course Description:
Understanding relative sea level, sea-level fingerprints, and sea-level change to identify records of past coastal change, coastal dynamics, and coastal vulnerability at different timescales.
Credit Hours: 3 Prerequisite Courses:
OCN 150 , OCN 250 , or GLYL 101
Course Repeatability: Course may not be repeated.

OCN 490 - Oceanography Capstone

Course Description:
Integration of principles, theories, and methods of oceanography. Students select a topic, problem, or question and design a hands-on field and/or laboratory research project. Written and oral reports and group discussions of research findings; meets the applied learning requirement.
Credit Hours: 3 Additional Restrictions/Requirements:
Senior standing, completion of other core requirements and at least 15 hours of electives toward the major.
University Studies: ["Building Competencies/Writing Intensive", "Building Competencies/Information Literacy", "Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated.

OCN 491 - Directed Individual Study

Course Description:
Involves investigation under faculty supervision beyond what is offered in existing

courses. For further information consult the

Depending on their interests and abilities, UNCW students may choose from several kinds of special courses and programs to individualize and otherwise enrich their studies.

- This course, designated as 491 in each department, involves investigation beyond what is offered in existing courses. To enroll in a Directed Individual Study, students must be a junior or senior. Additionally, students must have an overall grade point average of at least 2.00 and the approval of (1) the faculty member who will direct the study, (2) the departmental chairperson, and (3) the appropriate dean. Departmental criteria will include (1) the availability of the instructor (instructors may only supervise a limited number of independent studies each semester), (2) the appropriateness of and need for the proposed study in the student's program, (3) the availability of library and other research resources, and (4) the feasibility of completion of the proposed study in the allotted time. Students are limited to nine credit hours of Directed Individual Study toward graduation requirements.

- Several departments within the College of Humanities, Social Sciences, and the Arts and the professional schools offer field experience courses as part of their semester or summer programs. Participating students conduct individual or group research under faculty guidance at selected areas within and outside the continental United States. Apart from the greater Wilmington area, field experience courses have been conducted in such places as the Florida Keys, Barbados, the Bahamas, Portugal, and parts of Central and South America.

- Raymond L. Burt, *coordinator*

  The German Studies Consortium links participating UNC institutions to facilitate the sharing of teaching and learning resources to enhance German Studies across The University of North Carolina system. This consortium offers a broad array of German Studies courses in the language, literature, and culture of the German-speaking countries taught by specialists in the field. The primary focus is on the sharing of upper-level German classes offered each semester on the North Carolina Information Superhighway. Participant universities include Appalachian State University, East Carolina University, North Carolina State University, the University of North Carolina at Asheville, the University of North Carolina at

Charlotte, the University of North Carolina at Greensboro, University of North Carolina Wilmington, and Western Carolina University. For course details, visit the UNC Online Exchange.

- Regina Felix, *coordinator*
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- 18 years of age at the time of participation
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- 2.5+ cumulative grade point average
- Sophomore+ status (select programs are open to first-year students)
- Any program-specific requirements
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section of the catalogue. A maximum of 6 hours may be applied to the major.
Credit Hours: 1 To 3 Additional Restrictions/Requirements:
Junior or senior standing, overall GPA of 2.0, and consent of instructor, department chair, and dean.
University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

OCN 494 - International Field Experience in Oceanography

Course Description:

Students will gain a deep understanding of diverse oceanographic environments, field methods, and research investigations in international settings. This class may include lectures and readings, faculty-led field trips, and applied learning or research projects.

Credit Hours: 1-6 Prerequisite Courses:

Consent of instructor.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

OCN 498 - Internship in Oceanography

Course Description:

Practical training experience with agency or business conducting geoscience and oceanographic services. Jointly evaluated by oceanography faculty member and on-site supervisor. May be repeated for maximum of 6 hours.

Credit Hours: 1 To 6 Additional Restrictions/Requirements:

Junior or Senior standing with a minimum GPA 2.5 overall and consent of instructor.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

OCN 499 - Honors Work in Oceanography

Course Description:

Individual study for honors students.

Credit Hours: 2 To 3 Additional Restrictions/Requirements:

Eligibility for honors program and recommendation of department chair.

University Studies: ["Building Competencies/Writing Intensive", "Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link: Additional Course Fee Schedule

OCNL 150 - Introduction to Oceanography Laboratory

Course Description:

A hands-on, experiential introduction to the study of the oceans including geological, biological, chemical, and physical aspects. Instruments and techniques of oceanography, marine resources, and human interaction with the oceans will also

be explored. Multiple required field trips.
Lab:
This course is the lab for OCN 150 .
Credit Hours: 1 Prerequisite Courses:
Prerequisite or corequisite: OCN 150 .
University Studies: ["Approaches and Perspectives/Scientific Approaches to the Natural World"]
Course Repeatability: Course may not be repeated.

PHY 314 - Introduction to Computational Physics

Course Description:
An introduction to the solution of common physics problems using computers. Assuming no previous computer programming experience, the course will introduce basic scientific programming skills as applied to solve problems in mechanics, chaos, nonlinear dynamics, electromagnetism, fluid dynamics, and other areas.
Credit Hours: 3 Prerequisite Courses:
Prerequisite or corequisite: PHY 321 or MAT 361 .
Course Repeatability: Course may not be repeated.

PHY 416 - Introduction to Material Science

Course Description:
The course introduces students to the physics governing the properties of materials in general. Topics include atomic structure and bonding and how these influence the structure (crystalline and amorphous) of solids, the origin of the physical (i.e., electrical, thermal, and mechanical) properties of solids, diffusion dynamics, and phase transistions.
Credit Hours: 3 Prerequisite Courses:
PHY 202
Course Repeatability: Course may not be repeated.

PHY 470 - Data Analysis

Course Description:
Data analysis techniques used in experimental and applied physical science. Topics include propagation of errors, probability distributions, data reduction techniques, covariance and convolution, autocorrelation, linear regression, time series analysis, and spectral analysis.

Credit Hours: 3 Prerequisite Courses:

PHY 202 .

Course Repeatability: Course may not be repeated.

PHY 496 - Undergraduate Research in Physics

Course Description:

Students will conduct experimental, computational, or theoretical physics research under faculty supervision.

Credit Hours: 1 To 3 Additional Restrictions/Requirements:

Consent of instructor.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Repeat Limit: 2

Department of Environmental Sciences

http://www.uncw.edu/evs

The environmental sciences curriculum is designed to give students the depth of intellectual and analytical skills along with the scholarly background necessary to understand and solve environmental problems. The program is interdisciplinary, drawing upon the resources of many related fields to provide the rigorous analysis necessary to understand environmental problems and formulate decisions that are environmentally sound.

The EVS program offers both Bachelor of Arts and Bachelor of Science degree options. The Bachelor of Arts degree allows students a variety of specialization courses in both social and natural sciences. The Bachelor of Science degree is intended to give intensive training in either the biological or physical sciences.

A student in environmental sciences must complete all requirements for the major [(General Core)+(B.A. or B.S. Core)+(B.A. or B.S. Electives)] with an overall "C" (2.00) GPA to graduate.

Due to the continual addition of new courses, the chair of the Department of Environmental Sciences may consider the substitution of certain courses for those officially listed under the B.A. or B.S. options.

Environmental Sciences, B.S.

Program Coordinator: Dr. Chris Dumas

The B.S. in Environmental Sciences prepares students for careers in enviromental science and management. Typical employers include local, state and federal government agencies, science and engineering consulting firms, environmental nonprofit organizations, and the environmental management divisions of corporations. The B.S. in Environmental Sciences offers seven program options, six of which prepare the student to take a certification exam or to meet additional requirements for professional certification within their respective fields. The seventh option, Cross-Disciplinary, is available to facilitate pairing an EVS major with a minor or a double major.

Environmental Sciences Minor

Sustainability Minor

Program coordinator: Dr. Huili Hao
The Department of Environmental Sciences offers an interdisciplinary minor in Sustainability. The minor examines the interconnected nature of environmental stewardship, economic stability, and personal and social responsibility necessary to achieve a sustainable future.

EVS 205 - Global Environmental Issues

Course Description:
Interdisciplinary study of contemporary environmental issues at a global scale, such as climate change, human population, biodiversity loss, food and water scarcity, energy, stratospheric ozone depletion, acid rain, and environmental justice. Causes, effects, policy implications, international negotiations, and development of treaties will be examined.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Scientific Approaches to the Natural World", "Approaches and Perspectives/Living in a Global Society"] Course Repeatability: Course may not be repeated.

EVS 291 - Introductory Research

Course Description:
Environmental research under faculty supervision beyond what is offered in existing courses.

Credit Hours: 1 To 3 Additional Restrictions/Requirements:

Freshman or sophomore standing. Consent of instructor and department chair.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 3

EVS 295 - Career Preparation and Networking in EVS

Course Description:

Research and career preparation and networking course required for EVS majors. Engagement with professionals in the EVS field while building research skills and portfolio for career preparation.

Prerequisite Courses:

EVS 195 or EVS 205

Additional Restrictions/Requirements:

Cannot be taken concurrently with Seminar in Environmental Sciences Cannot be taken after student receives credit for EVS 495 . Not available to OAP enrolled students.

Course Repeatability: Course may not be repeated.

EVS 304 - Citizen Science

Course Description:

Introduction to the rapidly growing, interdisciplinary field of citizen and community-based science. Exploration of prior research and social science theories to highlight strengths and weaknesses of different citizen science approaches. Key principles to creating and managing successful citizen science projects operating at different scales are covered.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

EVS 305 - Environmental Impacts of Climate Change

Course Description:

Team-taught by Department of Environmental Sciences faculty, this course focuses on the current and predicted effects of climate change on Earth's abiotic and biotic environment. This course is intended to enhance students' abilities to address challenges in the 21st century by providing a multidisciplinary approach to problem solving using biological, physical, social, and economic perspectives.

Credit Hours: 3 Prerequisite Courses:

EVS 205 .

Additional Restrictions/Requirements:

Junior/Senior standing or permission of instructor.

Course Repeatability: Course may not be repeated.

EVS 321 - Analyzing and Communicating Environmental Issues

Course Description:

Studies how current environmental issues are discussed, communicated, and presented to a broad range of audiences. Students research current environmental topics and make presentations, which are peer-reviewed and critiqued.

Credit Hours: 3 Prerequisite Courses:

EVS 195 or EVS 205 .

Course Repeatability: Course may not be repeated.

EVS 325 - Environmental Economics

Course Description:

Application of basic economic principles to help understand environmental problems and evaluate alternative solutions. Economic principles used to analyze fundamental environmental issues such as property rights, externalities, conservation, public good, environmental protection, natural resource damage assessment, and pollution control. Specific focus on methods for non-market valuation.

Credit Hours: 3 Prerequisite Courses:

ECN 125 or ECN 221

Crosslisting:

ECN 325

Course Repeatability: Course may not be repeated.

EVS 327 - Apiary Management

Course Description:

Management of honeybee apiaries for the production of various hive products. Focus on assessing and treating bee diseases, equipment construction and maintenance, hive manipulation, and planning to ensure colony survival.

Credit Hours: 3 Prerequisite Courses:

EVS 317 .

Additional Restrictions/Requirements:

Junior/Senior standing required, or permission of instructor.

Course Repeatability: Course may not be repeated.

EVS 330 - Natural Resource Economics

Course Description:

Economic principles developed and applied to evaluate public and private decisions involving the use and allocation of natural resources. Optimal control theory developed and applied to the management of natural resources. Attention to specific resource management areas such as forests and fisheries. Feasibility of alternatives for public policy.

Credit Hours: 3 Prerequisite Courses:

ECN 125 or ECN 221

Crosslisting:

ECN 330

Course Repeatability: Course may not be repeated.

EVS 345 - Wilderness First Aid

Course Description:

Study of emergency preparedness and medical first-aid for outdoor professionals working in remote locations. Hands-on training for care of major and minor traumatic injuries, common environmental illnesses, and medical emergencies that occur in remote or wilderness settings. Preparation for certification in Wilderness First Aid. Additional Course Fees: Student Blanket Professional Liability Insurance.

Credit Hours: 1 Additional Restrictions/Requirements:

Requires instructor approval.

Course Repeatability: Course may not be repeated.

EVS 346 - Wilderness First Responder

Course Description:

Study of emergency preparedness and medical first-aid for outdoor professionals working in remote locations. Hands-on training for major and minor traumatic injuries, common environmental illnesses, and medical emergencies that occur in remote or wilderness settings. Preparation for certification in Wilderness First Aid. Includes additional topics not covered in EVS 345 Wilderness First Aid. Additional Course Fees: Student Blanket Professional Liability Insurance.

Credit Hours: 3 Additional Restrictions/Requirements:

Requires instructor approval.
Course Repeatability: Course may not be repeated.

EVS 355 - Marine Debris

Course Description:
Study of marine debris in the field, including plastics, derelict fishing gear, trash, and storm wreckage, affecting the environment, human health, and the economy. Focus on field techniques and preparation of outreach materials for public audiences. Field excursions required. Additional Course Fees: Student Blanket Professional Liability Insurance.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

EVS 360 - Human Dimensions of Natural Resource Management

Course Description:
Examines the interrelationships between the biological sciences, physical sciences, and social sciences within the human dimensions of natural resource management framework in the context of current environmental issues. Uses contemporary management processes to solve real-world environmental problems.
Credit Hours: 3 Prerequisite Courses:
EVS 195
University Studies: ["Approaches and Perspectives/Understanding Human Institutions and Behaviors", "Approaches and Perspectives/Living in Our Diverse Nation"] Course Repeatability: Course may not be repeated.

EVS 361 - History and Philosophy of Natural Resources Management

Course Description:
Development of natural resources management in the United States. Specific attention to historical development of natural resources management policy, and the philosophical stance of individuals who are instrumental in creation of those policies.
Credit Hours: 3 Prerequisite Courses:
EVS 195
Course Repeatability: Course may not be repeated.

EVS 363 - Foundations of Environmental Education

Course Description: Exploration of environmental education in a wide array of contexts and with diverse audiences. Topics include how to apply relevant theory, prior environmental education research, and key concepts to enhance diverse environmental education programs (e.g., urban, rural, in-person, online, single-day, residential). Credit Hours: 3 Prerequisite Courses: EVS 195 Course Repeatability: Course may not be repeated.

EVS 364 - Natural Resource Policy

Course Description:

Existing natural resource laws, institutions and programs are summarized in their historical context and in relation to current natural resource issues. Philosophical underpinnings of policy positions are examined and discussed. Models of policy creation, implementation, and reform, with specific examples focusing on natural resource management.

Credit Hours: 3 Prerequisite Courses:

EVS 195 or permission of instructor.

Additional Restrictions/Requirements:

Junior or senior standing, or permission of instructor.

Course Repeatability: Course may not be repeated.

EVS 380 - Environmental Justice Strategies

Course Description:

Examination of sociopolitical, psychological, and economic mechanisms of environmental injustice using current and historical case studies. Evaluation of consequences for underserved populations. Focus on strategies used to combat contemporary environmental injustice, both locally and nationally.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

EVS 400 - Wildlife Management

Course Description:

Introductory principals of wildlife management spanning management perspectives, managing landscapes for wildlife, and managing wildlife populations.

Credit Hours: 3 Prerequisite Courses:

EVS 195 , BIO 366 .

Course Repeatability: Course may not be repeated.

EVS 414 - Wildland Fire Ecology

Course Description:
This course examines abiotic and biotic adaptations and effects of fire. Prescribed fire restoration and management will also be discussed in addition to new challenges that are emerging from climate change, fire suppression, and growing populations in areas where wildland fires occur.
Credit Hours: 3 Prerequisite Courses:
EVS 195 , or permission of instructor.
Course Repeatability: Course may not be repeated.

EVS 421 - Literature of the Environment

Course Description:
The goal of the course is to familiarize students with pivotal and influential writings that lay the foundation of environmental sciences and examine various ways writers have presented the natural world. Students will read and discuss material in a loose chronological way, to build a deeper understanding of the discipline - reflecting on where we started and where we are headed. Along the way, we will note the historical and political contexts in which the writing was produced and examine our perceptions of environment—from the philosophical to the political and from scientific to poetic.
Credit Hours: 3 Prerequisite Courses:
EVS 195 or EVS 205 , or permission of instructor.
Course Repeatability: Course may not be repeated.

EVS 424 - Environmental Nonprofit Organizations

Course Description:
Introduction to the unique issues facing environmental nonprofit organizations when addressing wicked problems in conservation, sustainability, and environment. Practical application and examination of real-world case studies provides a foundation to examine best practices in outreach, education, systems thinking, and adaptive management from local and global frameworks in environmental nonprofit organizations.
Credit Hours: 3 Additional Restrictions/Requirements:

Junior/Senior standing required or permission of instructor.
Course Repeatability: Course may not be repeated.

EVS 426 - Island Ecology for Educators

Course Description:
A field-based exploration of plants and animals of coastal island ecosystems and related environmental issues. Students will develop readily-accessible, web-based materials appropriate for outreach and education. This course focuses on both science content and pedagogical resource development.
Credit Hours: 3 Crosslisting:
EDN 426
Course Repeatability: Course may not be repeated.

EVS 427 - Research and Evaluation in Environmental Education

Course Description:
Exploration of the practical skills necessary to conduct program evaluation and research and the importance of these efforts in the environmental education field.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

EVS 439 - Environmental Field Methods

Course Description:
Lecture and field applications of contemporary technologies and techniques used in the environmental sciences. Focus is on skills in the field to understand and address environmental problems. May be offered under a variety of subtitles.
Credit Hours: 1 To 3 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

EVS 444 - Wildland Fire Behavior and Fuels

Course Description:
Introduction to wildland fire behavior. Topics include fuels, weather, and topography and how these factors shape fire behavior and fire management.
Credit Hours: 3 Prerequisite Courses:
EVS 195 or permission of instructor.
Course Repeatability: Course may not be repeated.

EVS 445 - Environmental Conservation

Course Description:

A scientific exploration of conservation theories and practices to understand the challenges of protecting, maintaining, and restoring biological diversity to Earth's many environs.

Credit Hours: 3 Prerequisite Courses:

EVS 195 , EVSL 195 , BIO 366 , BIOL 366 .

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated.

EVS 448 - Human Wildlife Conflict

Course Description:

An introduction to the causes and impacts of conflicts between people and wildlife, as well as potential solutions, examined from both ecological and social perspectives. Theoretical management perspectives and intervention strategies aimed at mitigating conflicts are used to develop real-world solutions to global human-wildlife conflicts.

Credit Hours: 3 Prerequisite Courses:

EVS 195 and EVS 205 .

Course Repeatability: Course may not be repeated.

EVS 450 - Avian Conservation and Management

Course Description:

Exploration of the primary threats to North American bird populations, the ecological mechanisms that influence avian populations, and management solutions that can enhance the conservation of avifauna.

Credit Hours: 3 Prerequisite Courses:

EVS 195 .

Additional Restrictions/Requirements:

Junior or Senior status.

Course Repeatability: Course may not be repeated. Additional Course Fees: ["None"]

EVS 460 - Environmental Education Technologies

Course Description:

Focus on the use of new technologies to teach about the environment; current issues and trends in environmental education; the development, implementation, and assessment of new technologies; and effective instructional strategies to teach key environmental principles and concepts.

Credit Hours: 3 Crosslisting:

EVS 560

Course Repeatability: Course may not be repeated.

EVS 465 - Education for Sustainable Development

Course Description:

Study of educational strategies and methods for implementing priority action areas of sustainable development goals. Focus on sustainable development education as practiced in the field in different countries under varying circumstances using a case study approach. Evaluation of the relative success of alternative teaching methods related to sustainable development across locations and cultures.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

EVS 466 - Sustainable Tourism

Course Description:

Introduction to concepts and principles of sustainable tourism development, emphasizing implications for management and planning. Cases from the U.S. and around the world are used to examine and discuss issues and practices of sustainable tourism development within different geocultural contexts.

Credit Hours: 3 Additional Restrictions/Requirements:

Junior or senior standing, or permission of instructor.

Course Repeatability: Course may not be repeated.

EVS 468 - Hazards, Risks, and Community Resilience

Course Description:

Overview of natural hazards and disasters, focusing on their social, economic and environmental impacts and the complex and interconnected systems affected by

environmental and social change. This course also provides an exploration into alternative and sustainable ways to view, study, and manage hazards in the U.S, as well as disaster-resilient communities, higher environmental quality, inter- and intra-generational equality, economic sustainability, and improved quality of life.
Credit Hours: 3 Additional Restrictions/Requirements:
Junior or senior standing, or permission of instructor.
Course Repeatability: Course may not be repeated.

EVS 471 - National Parks and Protected Areas

Course Description:
Course will explore national parks and protected areas in the US and beyond from historical, ecological, social, and political perspectives. We will focus on understanding the role of these natural spaces in culture, individual and societal well-being, and environmental health and well as the impact of use, recreation and tourism on the parks themselves.
Credit Hours: 3 Prerequisite Courses:
EVS 195 and EVS 205 .
Course Repeatability: Course may not be repeated.

EVS 472 - Coastal Protected Areas Management

Course Description:
Study of resource management focused on protected areas maintained by government agencies and by private non-profit organization. Emphasis will be on natural area significance, site selection, management plan development, policy formulation, protection options, use conflicts, and public relations.
Credit Hours: 3 Prerequisite Courses:
EVS 195 and EVS 360
Additional Restrictions/Requirements:
Prerequisite courses or consent of the Instructor.
Course Repeatability: Course may not be repeated.

EVS 477 - Environmental Site Assessment

Course Description:
Study of ASTM guidelines for environmental site assessment, emphasis on historic overview, regulations, and preparation methods associated with environmental site

assessment. Lecture and field trips.
Credit Hours: 3 Additional Restrictions/Requirements:
Junior or senior standing or consent of the instructor.
Course Repeatability: Course may not be repeated.

EVS 478 - Hazardous Waste Operations and Emergency Response

Course Description:
Study of the physical and chemical hazards present at hazardous waste sites and those encountered during environmental clean-ups, as well as OSHA regulations pertaining to those sites. The class will meet the 40 CFR 1910.120 requirements for 40+ hours of training and OSHA certification will be issued.
Credit Hours: 3 Additional Restrictions/Requirements:
Junior or senior standing or consent of instructor.
Crosslisting:
EVS 578
Course Repeatability: Course may not be repeated.

EVS 483 - Fisheries Policy and Management

Course Description:
Overview of fisheries policy and management. Considers important international, national, and regional fisheries, with extended consideration of North Carolina fisheries. Reviews fisheries management agencies, policies, data sources, trends and issues. Examines common biological fishery models, fishing methods and gear, and fishery regulations. Explores methods for assessing the economic impacts of fishing and the recreational value of fishing.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

EVS 484 - Agriculture and the Environment

Course Description:
Interdisciplinary exploration of the impacts of crop and animal agriculture on terrestrial, aquatic, and marine environments. Topics include natural habitat impacts, sediment transport, nutrient runoff, land conversion, and concentrated feeding operations. Emphasis on building student communication skills and competency in critical analysis of current environmental issues.

Credit Hours: 3 Prerequisite Courses:

EVS 195 .

Course Repeatability: Course may not be repeated. Additional Course Fees: ["None"]

EVS 485 - Special Topics in Advanced Environmental Science

Course Description:

Selected topics in environmental science not covered in detail in regular course offerings.

Credit Hours: 1 To 6 Prerequisite Courses: EVS 195 Additional Restrictions/Requirements:

Junior or senior standing, prerequisite course or consent of instructor.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

EVS 489 - Wetlands Ecology and Management

Course Description:

Introduction to principles of wetland science emphasizing identification and management. Examination of biological, physical, chemical, and ecological aspects of wetland ecosystems at local, landscape, and global scales, with a focus on classification and legal protection of wetlands in North Carolina. Experience in techniques for identification and delineation of wetland ecosystems.

Credit Hours: 4 Prerequisite Courses:

EVS 195 and BIO 366 , or consent of instructor.

Course Repeatability: Course may not be repeated.

EVS 490 - Environmental Community Engagement

Course Description:

Introduction to the role of environmental agencies in the community. Requires 40 hours of volunteer time directed toward helping the mission of the environmental agency. Additional liability insurance expense may be necessary.

Credit Hours: 1 Additional Restrictions/Requirements:

Must be Environmental Science minor or Sustainability minor.

Course Repeatability: Course may not be repeated. Additional Course Fees: ["Student Blanket Professional Liability Insurance"]

EVS 491 - Directed Individual Study

Course Description:

Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the

Depending on their interests and abilities, UNCW students may choose from several kinds of special courses and programs to individualize and otherwise enrich their studies.

- This course, designated as 491 in each department, involves investigation beyond what is offered in existing courses. To enroll in a Directed Individual Study, students must be a junior or senior. Additionally, students must have an overall grade point average of at least 2.00 and the approval of (1) the faculty member who will direct the study, (2) the departmental chairperson, and (3) the appropriate dean. Departmental criteria will include (1) the availability of the instructor (instructors may only supervise a limited number of independent studies each semester), (2) the appropriateness of and need for the proposed study in the student's program, (3) the availability of library and other research resources, and (4) the feasibility of completion of the proposed study in the allotted time. Students are limited to nine credit hours of Directed Individual Study toward graduation requirements.

- Several departments within the College of Humanities, Social Sciences, and the Arts and the professional schools offer field experience courses as part of their semester or summer programs. Participating students conduct individual or group research under faculty guidance at selected areas within and outside the continental United States. Apart from the greater Wilmington area, field experience courses have been conducted in such places as the Florida Keys, Barbados, the Bahamas, Portugal, and parts of Central and South America.

- Raymond L. Burt, *coordinator*

  The German Studies Consortium links participating UNC institutions to facilitate the sharing of teaching and learning resources to enhance German Studies across The University of North Carolina system. This consortium offers a broad array of German Studies courses in the language, literature, and culture of the German-speaking countries taught by specialists in the field. The primary focus is on the sharing of upper-level German classes offered each semester on the North Carolina Information Superhighway. Participant universities include Appalachian State University, East Carolina University, North Carolina State University, the

University of North Carolina at Asheville, the University of North Carolina at Charlotte, the University of North Carolina at Greensboro, University of North Carolina Wilmington, and Western Carolina University. For course details, visit the UNC Online Exchange.

- Regina Felix, *coordinator*
  The Portuguese Exhange links participating UNC institutions to facilitate the sharing of teaching and learning resources to enhance Portuguese language and Portugurese and Brazilian Studies across the University of North Carolina system. This exchange offers courses in the language, literature, and culture of the Portuguese-speaking countries taught by specialists in the field. Participant universities include Appalachian State University, North Carolina State University, the University of North Carolina Asheville, the University of North Carolina at Chapel Hill, the Unversity of North Carolina at Charlotte, the University of North Carolina Wilmington, and Winston Salem State University. For course details, visit the UNC Online Exchange.

- Dave Graber, *coordinator*
  The Russian Studies Consortium links participating UNC institutions to facilitate the sharing of teaching and learning resources to enhance Russian Studies across The University of North Carolina system. This consortium offers a broad array of Russian Studies courses in the language, literature, history, film, society, and culture in the Russian-speaking countries, which can be taught in the target language and/or in translation by specialists with credentials in Russian Studies. The primary goal focuses on the sharing of elementary, intermediate, and upper level Russian Studies classes offered each semester as well as summer session courses on the North Carolina Information Superhighway and/or fully online. Participant universities include Appalachian State University, East Carolina University, North Carolina State University, The University of North Carolina at Charlotte, The University of North Carolina at Greensboro, and The University of North Carolina Wilmington. Courses are offered through the UNC Online Exchange.

- Raymond L. Burt, UNCW *coordinator*

The UNC Language Assembly is a cooperative of the language departments of all 17 campuses of the UNC System, and serves the UNC System and the State of North Carolina by supporting the foreign language programs at the constituent institutions and by seeking to offer a wide diversity of foreign language choices to the students at all the UNC campuses. Students are not required to pay tuition at the other campus, since UNCW tuition applies to these courses as well. Courses are taught online or through videoconference technology. Students can directly enroll in language classes offered by campuses through the UNC Online Exchange.

- https://uncw.edu/myuncw/academics/graduate-school/forms

Graduate Courses Taken for Undergraduate Credit

Graduate courses at UNCW or other accredited institutions may be used to fulfill undergraduate requirements if approved by the course instructor, student's department chair, undergraduate dean, and the dean of the Graduate School. All other transfer credit policies apply. Permission forms may be obtained on the Graduate School forms page under the "Undergraduate Registration for Graduate Courses" section at https://uncw.edu/myuncw/academics/graduate-school/forms.

Graduate Course Taken as an Undergraduate to Later Apply to a Graduate Degree

Undergraduate students who wish to take graduate courses and later receive graduate credit for them must fill out a Docusign to obtain permission in advance from the course instructor, student's department chair and undergraduate dean, and the Graduate School for approval. Graduate courses taken under this provision may not be used to fulfill undergraduate degree requirements. Permission forms may be obtained on the Graduate School form page under the "Undergraduate

Registration for Graduate Courses"
section https://uncw.edu/myuncw/academics/graduate-school/forms.

Credit for Approved Combined Degree Programs

Graduate courses used to fulfill an undergraduate degree requirement at UNCW may be applied to a graduate degree only when taken as part of an approved combined degree program. Courses applied toward an awarded degree may not be applied to a second degree except as described by specific degree programs.

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https://www.uncw.edu/global/
The Office of Global Partnerships and International Education is comprised of three units: Education Abroad, English Language Center, and the Office of International Students & Scholars.

Education Abroad

UNCW offers more than 800 education abroad opportunities in more than 50 countries. Options available include coursework taken abroad, international internships for academic credit, credit-bearing service-learning experiences, academic research, and virtual global learning opportunities. UNCW provides education abroad opportunities to suit nearly every major and credit earned through international programs may be applied towards a UNCW degree. Financial aid may be used in conjunction with education abroad programs and scholarships are available. Students may select from short-term and summer programs, as well as semester, year-long and two-year dual degree options.
All applications for any credit-bearing program abroad must be made through the Office of Global Partnerships and International Education.
UNCW students who study abroad retain their active UNCW student status and will

not have to re-enroll upon return.

Eligibility requirements include:

- 18 years of age at the time of participation
- Good disciplinary standing
- 2.5+ cumulative grade point average
- Sophomore+ status (select programs are open to first-year students)
- Any program-specific requirements
-

Several programs in the College of Humanities, Social Sciences, and the Arts, College of Science and Engineering, College of Education, College of Health and Human Services, and the Cameron School of Business offer students the opportunity to earn academic credit within a work environment external to the program. The purpose of the internship experience is to enhance, supplement, and integrate the learning that occurs in formal classroom settings. Permission of the dean and program offering the internship is required to enroll, and the program places limits on the number of credit hours earned applicable toward graduation. Internships designated by a 498 number will be graded on a Pass (P), Fail (F) basis. These credit hours earned will count towards the number of hours required to graduate, but the grade of Pass (P) will be excluded from the computation of the GPA. For further information on internships, refer to the courses numbered 498 in the course listings and then contact the departments offering them.

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The North Carolina Child Welfare Education Collaborative is a university-agency partnership that ensures a quality work force in child welfare settings. The educational goal of this program is to directly address the workforce need for social workers in child welfare settings. Administered by the Jordan Institute for Families, the collaborative includes North Carolina social work education programs, the NC Division of Social Services, the NC Association of County Directors of Social Services and the NC Chapter of the National Association of Social Workers. Educating, training, and supporting current and future social workers in child welfare meets the goal of strengthening families and protecting children. The collaborative offers focused educational courses, training and field experience in child welfare agencies. Participating universities include Appalachian State University, University of North Carolina at Chapel Hill, East Carolina University, North Carolina State University, Joint Masters of Social Work Program at University

of North Carolina at Greensboro and North Carolina Agricultural and Technical State University, and University of North Carolina Wilmington.

- The Reverse Transfer Program is a collaborative effort between North Carolina's Community Colleges and the University of North Carolina's 16 constituent institutions. Students who transfer to UNC Wilmington from one of the 58 North Carolina community colleges are given the opportunity to combine the credits earned at UNCW with credit already earned at the community college to determine if the associate degree requirements have been met. Students have the opportunity to opt-in to this program at the time of admission as a transfer student. There is no cost to participate. For more information, contact the Office of the Registrar.
  Eligibility: Students must have earned at least 16 college-level credit hours at one community college applicable towards their degree, to be eligible to participate. After earning a total of 60 combined credits, the student's UNCW records will be sent back to their previous community college for evaluation. The community college will contact students via their UNCW email, with further details, if the Associate degree is awarded.

- Several UNCW courses employ service-learning opportunities. Service learning is an innovative method of teaching and learning that combines thoughtfully organized service to the community with other means of instruction. Community service-projects are integrated into and enhance the academic curriculum of students, fitting naturally into the philosophy and pedagogy of a variety of disciplines and fostering civic responsibility. Both students and the community benefit from service learning. Service-learning courses have several strengths, not the least of which is that they are adaptable to the needs of the community while providing structured time for the students to reflect on the service experience.

section in the catalogue.

Credit Hours: 1 To 6 Additional Restrictions/Requirements:

Junior or senior standing, overall GPA of at least 2.00, and consent of instructor and department chair.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

EVS 497 - Practicum in Environmental Sciences

Course Description:

Advanced field placement experience in governmental, corporate, NGO or other setting in the environmental field. Provides extended opportunity for fieldwork, research, and creative projects. Relates theory to practical application in the field. 40 hours of field work for each credit hour. Additional liability insurance expense may be necessary.

Credit Hours: 1 To 12 Additional Restrictions/Requirements:

Declared major in EVS, 2.00 GPA overall, and consent of instructor.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:

Additional Course Fee Schedule

EVS 498 - Internship in Environmental Sciences

Course Description:

Synthetic approach to the study of the environment. Development of the "holistic" view of the environment, its interrelationship with science, technology, and society in a seminar format. Involves a work experience with an agency or organization in the area of environmental studies. Additional insurance expense may be necessary.

Credit Hours: 1 To 12 Additional Restrictions/Requirements:

Declared major in EVS, 2.00 GPA overall, consent of instructor, Director of Environment Sciences, and Dean of College of Arts and Sciences.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:

Additional Course Fee Schedule

EVS 499 - Honors Work in Environmental Sciences

Course Description:

Independent study for honors students.

Credit Hours: 2 To 3 Additional Restrictions/Requirements:

Senior standing.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

GGY 390 - Field Methods in Geography

Course Description:

Applied study of geographic processes in field settings. Introduction to methods and techniques used in geography including sampling design, field measurements, data collection, and data analysis. Colloquium and required field trips (with associated costs).

Credit Hours: 2 Prerequisite Courses:

GGY 101 or GGY 130 or GGY 215 .

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Repeat Limit: 2 Additional Course Fees: ["Student Blanket Professional Liability Insurance"]

Department of Mathematics and Statistics

http://www.uncw.edu/math

The Department of Mathematics and Statistics provides undergraduate programs in mathematics and statistics that prepare students for careers in education, business, industry or government and for graduate studies. In the Bachelor of Science mathematics and statistics degree programs, both theory and applications from the sciences, industry and management are stressed in course work from pure and applied mathematics, operations research, and statistics. The options of the Bachelor of Arts mathematics program provide students the opportunity to acquire a strong background in mathematics as well as to obtain teacher licensure in mathematics at the secondary level. Minor programs in both mathematics and statistics are structured introductions to the mathematical sciences for students of other disciplines.

Mathematics is sequential in nature. Successful mastery of each course in a sequence is necessary to be adequately prepared for the next course. It is strongly recommended that students obtain a grade of at least "C-" before registering for the next course in a sequence. Sequences offered where this guideline is applicable are MAT 150 -MAT 151 , MAT 160 -MAT 151 -MAT 152 , MAT 160 -MAT 161 -MAT 162 -MAT 261 . In order to complete these sequences, it is not necessary or appropriate to take additional courses: MAT 151 , for example, should NOT be taken by a student planning to enroll in MAT 161 .

Furthermore, taking certain lower numbered mathematics courses after successfully completing higher numbered courses is strongly discouraged. This statement applies to all sequences listed above. In addition, it is not appropriate to take MAT 101 , MAT 111 , MAT 112 , MAT 150 , MAT 160 , or MAT 151 after taking MAT 161 , or to take MAT 365 after taking MAT 411 .
Students interested in a degree program in mathematics or statistics are encouraged to begin their mathematics study with Calculus I (MAT 161). Initial placement in mathematics is based on transfer credit, AP exam scores, ACT scores or, the Mathematics Placement Test. Students not prepared for calculus in their first semester should begin with MAT 160 or MAT 112 , as appropriate.
Supplementary mathematics credit: Students who complete MAT 161 with a grade of "C" (2.00) or better and who receive no advanced placement credit, no transfer credit, and no prior credit at UNCW in mathematics will receive credit for MAT 112 . Students who complete MAT 162 with a grade of "C" (2.00) or better and who receive no advanced placement credit, no transfer credit, and no prior credit at UNCW in mathematics will receive credit for MAT 161 . Students who complete MAT 261 with a grade of "C" (2.00) or better and who receive no advanced placement credit, no transfer credit, and no prior credit at UNCW in mathematics will receive credit for MAT 161 and MAT 162 .

Mathematics Minor

Mathematics, B.A.

The B.A. degree options are designed with the goals of a broad liberal education in mind. Licensed secondary school teachers with a B.A. in mathematics are in high demand, as are qualified applicants for graduate schools in mathematics. Additionally, a B.A. degree in mathematics is regarded as excellent preparation for entrance to professional schools of law, medicine or business.

Mathematics, B.S.

The B.S. degree options are designed to provide flexibility and adequate preparation for graduate school, while emphasizing mathematical reasoning, modeling, and

problem solving, all within the context of preparing the student for a career in mathematics, business, industry, government, or academia. Recommended courses in areas related to mathematics provide the requisite experience and practice in mathematical applications. [[permalink=572|tooltip:{}]]%prefix% %code%[[/permalink]] is highly recommended as the university studies physical science requirement.

Mathematics, Bachelor's/Master's Combined Program

The bachelor's/master's degree program is designed to provide a student in mathematics a means to complete the requirements for both degrees in a period of five years. The key feature of the program is that a student can count up to 12 hours of graduate level courses satisfying requirements for the B.A. or B.S. towards the M.S. in mathematics.

1. Students in the B.A. or B.S. program in mathematics who have:
1. Completed a minimum of 75 and a maximum of 98 credit hours in their undergraduate programs in mathematics, including credits earned from advanced placement if they started at UNCW or are transfer students and have completed a minimum of 2 semesters as a full-time student at UNCW, a minimum of 24 hours.
2. Completed a minimum of 9 hours of 300-400 level mathematics or statistics courses.
3. A minimum accumulated grade point average of 3.00/4.00 and a minimum grade point average of 3.00/4.00 on all 300-400 level mathematics or statistics courses at UNCW.

Students may apply to the department chair for permission to apply up to 12 credit hours of graduate level course work during their senior year toward their future master's degree.

1. In his/her senior year, the student must submit the standard application for admission to the Graduate School including: an application form, application fee, transcripts, and GRE scores to the Graduate School. In addition, a graduate degree plan, signed by the prospective student, the department chair, and the graduate coordinator must be submitted before the beginning of the student's senior year. Departmental permission to apply to the bachelor's/master's degree program does not guarantee admission to the Graduate School. Admission is contingent on meeting eligibility requirements at the time of entering the graduate program.
2. The graduate degree plan for the master's degree must clearly indicate:

• Courses (maximum of 12 graduate credit hours) that will be double-counted for both bachelor's and master's degree;
• Additional graduate courses that will be taken but not counted toward the bachelor's degree;
• The student intends to fulfill his/her course requirements for the master's degree no later than a year after receiving the bachelor's;
• Intended graduation date for the master's degree.

For additional information about the bachelor's/master's degree program and its requirements, students should contact the graduate coordinator in the Department of Mathematics and Statistics.

Statistics Minor

Statistics, B.S.

The Bachelor of Science degree in statistics provides a variety of options for students wishing to study statistics. The program prepares graduates for careers as applied statisticians in government, business, and industry. Those students interested in further study beyond the bachelor's level may take coursework giving them the theoretical depth required to pursue graduate degrees. In recognition of the interdisciplinary nature of statistics, coursework in other disciplines such as biology, computing, data science, economics, environmental studies, or social sciences can be undertaken, depending on the student's interests. Since statistical practice routinely involves computers, most courses incorporate standard statistical software.

Actuarial Science Certificate

Actuarial work has been consistently considered as one of the best jobs because of its high demand, great job security, nice salary, and on-the-job training provided by employers.
This certificate program will provide guidance for actuarial study at UNCW, and ensure comprehensive training in economics, finance, mathematics and statistics. It features two courses preparing students for exam P and exam FM. Students are expected to take both of the exams, and qualify for all the Validation of Educational Experience (VEE) requirements for the associate of actuaries. The student's transcript will list the certificate along with other degrees earned.

Mathematics, B.A. with Teacher Licensure

The Mathematics, B.A. degree is designed with the goals of a broad liberal

education in mind. Licensed secondary school teachers with a B.A. in Mathematics are in high demand, as are qualified applicants for graduate schools in Mathematics. Additionally, a B.A. degree in Mathematics is regarded as excellent preparation for entrance to professional schools of Law, Medicine or Business.

DSC 303 - R for Data Science

Course Description:

Introduction to data science with an overview of the basic techniques for making informed, data-driven decisions using the R statistical software. Students learn the basics of R programming and use it to visualize, wrangle, manipulate, and explore data of many types and sizes.

Prerequisite Courses:

STT 215, or PSY 225, or BAN 280

Course Repeatability: Course may not be repeated.

MAT 101 - The Art of Mathematics

Course Description:

Exploration of real-life contexts which discuss geometry, rates of growth, consumer statistics, and practical probabilities so students can utilize quantitative information in degree programs and make personal, professional, and civic decisions.

Credit Hours: 3 University Studies: ["Foundations/Mathematics and Statistics", "Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated.

MAT 105 - Mathematical Study Skills and Algebra Review

Course Description:

Designed for students not ready for MAT 111 , this course prepares the student to be successful in college algebra and beyond. Topics include study, note-taking, and time management skills needed to be successful in mathematics and review of algebra.

Credit Hours: 1 Additional Restrictions/Requirements:

Mathematics Placement Test or consent of instructor.

Course Repeatability: Course may not be repeated.

MAT 111 - College Algebra

Course Description:

A preparatory course for further mathematics courses. Equations and inequalities; polynomial, rational, exponential and logarithmic functions; graphs; systems of equations. (No credit granted after the completion, with a grade of "C-" or better, of MAT 151 or higher.)

Credit Hours: 3 Prerequisite Courses:

MAT 105 or satisfactory performance on the UNCW mathematics placement test.

University Studies: ["Foundations/Mathematics and Statistics", "Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated.

MAT 112 - Trigonometry

Course Description:

Topics from trigonometry and algebra review. Includes trigonometric functions, identities and equations. (No credit granted after the completion, with a grade of "C-" or better, of a mathematics course numbered 152 or higher.)

Credit Hours: 3 Prerequisite Courses:

MAT 111 or MAT 150 or satisfactory performance on the UNCW mathematics placement test.

University Studies: ["Foundations/Mathematics and Statistics", "Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated.

MAT 141 - Concepts of Mathematics: Number, Operations, and Problem Solving

Course Description:

A conceptual examination of mathematics content that is aligned with elementary and middle grades curricula. Topics include the real number system and related operations.

Credit Hours: 3 University Studies: ["Common Requirements/Critical Reasoning", "Foundations/Mathematics and Statistics"] Course Repeatability: Course may not be repeated.

MAT 142 - Concepts of Mathematics: Geometry, Measurement, and Problem Solving

Course Description:

A conceptual examination of mathematics content that is aligned with elementary and middle grades curricula. Topics include geometry, measurement, probability,

and data analysis.
Credit Hours: 3 University Studies: ["Foundations/Mathematics and Statistics", "Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated.

MAT 150 - Basic Precalculus

Course Description:
Study of fundamental concepts of algebra, functions using graphical and algebraic approaches, and applications that are essential to the study of basic calculus. Covers linear, quadratic, polynomial, rational, radical, piecewise, composite, inverse, exponential, and logarithmic functions. Preparatory course for basic calculus, MAT 151 .
Credit Hours: 3 Additional Restrictions/Requirements:
No credit granted for MAT 150 after the completion of a MAT course numbered 151 or higher with a grade of C- or better.
University Studies: ["Foundations/Mathematics and Statistics", "Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated.

MAT 151 - Basic Calculus with Applications I

Course Description:
Intended for majors that emphasize techniques and applications. Study of linear and nonlinear functions, differentiation with applications, Riemann sums, integration, and the Fundamental Theorem of Calculus.
Credit Hours: 3 Prerequisite Courses:
MAT 111 or MAT 150 or MAT 160 , or satisfactory performance on the UNCW mathematics placement test.
University Studies: ["Foundations/Mathematics and Statistics", "Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated.

MAT 152 - Basic Calculus with Applications II

Course Description:
Intended for majors that emphasize techniques and applications. The second course in a two-course sequence. Topics to include further techniques and applications of integration and multivariable calculus including trigonometric functions, differential equations, probability, and sequences & series.
Credit Hours: 3 Prerequisite Courses:

MAT 151 and (MAT 112 or MAT 160).
University Studies: ["Foundations/Mathematics and Statistics", "Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated.

MAT 160 - Precalculus: Algebra & Trigonometry

Course Description:
Study of fundamental concepts of algebra and trigonometry, functions using graphical and algebraic approaches, and applications that are essential to the study of calculus. Covers linear, quadratic, polynomial, rational, radical, piecewise, composite, inverse, exponential, logarithmic, and trigonometric functions. Preparatory course for MAT 161 .
Credit Hours: 5 Additional Restrictions/Requirements:
No credit granted for MAT 160 after the completion of a MAT course numbered 161 or higher, with a grade of "C-" or better.
University Studies: ["Foundations/Mathematics and Statistics", "Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated.

MAT 161 - Calculus with Analytical Geometry I

Course Description:
Calculus of a single variable intended for students in the mathematical and natural sciences. Functions and limits; differentiation with applications including maxima and minima, related rates, and approximations; theory of integration with applications; and transcendental functions.
Credit Hours: 4 Prerequisite Courses:
MAT 112 or MAT 160, or satisfactory performance on the UNCW mathematics placement test.
University Studies: ["Foundations/Mathematics and Statistics", "Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated.

MAT 162 - Calculus with Analytical Geometry II

Course Description:
The second course in a three-course sequence. Further techniques and applications of integration; infinite sequences and series; conic sections, parametrized curves and polar coordinates; and, elementary differential equations.
Credit Hours: 4 Prerequisite Courses:

MAT 161.
University Studies: ["Foundations/Mathematics and Statistics", "Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated.

MAT 243 - Concepts and Applications of Discrete Mathematics

Course Description:
An in-depth investigation of discrete mathematics topics identified as essential to teaching the elementary and middle grades curriculum. Topics include systematic listing and counting, vertex-edge graphs, and iteration and recursion. Students present written and oral arguments to justify conjectures and generalizations.
Credit Hours: 3 Prerequisite Courses:
MAT 142 or MAT 161
Additional Restrictions/Requirements:
Open only to majors or pre-majors in elementary, middle grades, special, or health and physical education, or consent of instructor.
Course Repeatability: Course may not be repeated.

MAT 245 - Euclidean Geometry

Course Description:
A study of properties and relationships of shape, size, and symmetry in two and three dimensions. Topics include parallelism, transformations, congruence, similarity, measurement, and constructions. Students present written and oral arguments to justify conjectures and generalizations.
Credit Hours: 3 Prerequisite Courses:
MAT 142 or MAT 161 or consent of instructor.
Additional Restrictions/Requirements:
Open only to majors or pre-majors in elementary, middle school, special or health and physical education
Course Repeatability: Course may not be repeated.

MAT 261 - Multivariate Calculus

Course Description:
Calculus of functions of several variables. Vectors and analytic geometry of three dimensional space; partial derivatives, gradients, directional derivatives, maxima and minima; multiple integrals; line and surface integrals, Green's Theorem,

Divergence Theorem, and Stokes' Theorem.
Credit Hours: 4 Prerequisite Courses:
MAT 162
Course Repeatability: Course may not be repeated.

MAT 275 - Axiomatic Systems

Course Description:
Introduction to logic and mathematical proof with a focus on properties of the real number system. Elementary set theory, relations, functions, cardinality, algebraic and completeness properties of the reals and topics from axiomatic systems. Precision in the language of mathematics and rigor in proofs. Student presentations.
Credit Hours: 3 Prerequisite Courses:
MAT 152 or MAT 161
Course Repeatability: Course may not be repeated.

MAT 301 - Introduction to Mathematical Modeling

Course Description:
An introduction to mathematical modeling emphasizing formulation, analysis, interpretation, and application. Selected problems from a variety of fields such as physics, biology, and management science. Students will learn how to develop and use mathematical models of real-world systems.
Credit Hours: 3 Prerequisite Courses: MAT 162 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

MAT 311 - Intermediate Analysis

Course Description:
Thorough treatment of the topology of the real line, functions and limits, convergence, continuity, differentiation and integration of functions of a real variable. Infinite series, uniform convergence.
Credit Hours: 3 Prerequisite Courses:
MAT 261 and MAT 275
Course Repeatability: Course may not be repeated.

MAT 321 - Number Theory and its Applications

Course Description:

Introduction to the theory of numbers motivated by applications. Primes and divisibility; the Euclidean algorithm; linear congruences and the Chinese Remainder Theorem; Fermat's Little Theorem; continued fractions and Farey sequences. Applications to cryptology, computer arithmetic, random number generators and primality testing. Possible additional applications to computer science, physics, communication, music.

Credit Hours: 3 Prerequisite Courses:

MAT 275 or CSC 133

Course Repeatability: Course may not be repeated.

MAT 325 - Computational Mathematics

Course Description:

Introduction to scientific computing and numerical algorithms. Includes scientific and numerical computations, elementary discussion of errors, linear algebraic systems, eigenvalue problems, curve fitting, root-finding, and numerical solution of ordinary differential equations. The algorithmic approach and efficient use of the computer are emphasized using scientific programming software.

Credit Hours: 3 Prerequisite Courses:

MAT 162

Course Repeatability: Course may not be repeated.

MAT 335 - Linear Algebra and Matrices

Course Description:

Systems of linear equations, vector spaces, algebra of matrices and linear transformations, determinants, eigenvalues and eigenvectors, applications.

Credit Hours: 3 Prerequisite Courses:

MAT 161

Course Repeatability: Course may not be repeated.

MAT 336 - Abstract Algebra I

Course Description:

Basic study of algebraic structures, focusing on groups and rings. Examples may include permutation, matrix, and symmetry groups, polynomial rings, and integral domains.

Credit Hours: 3 Prerequisite Courses:

MAT 275 and MAT 335

Course Repeatability: Course may not be repeated.

MAT 345 - Modern College Geometry

Course Description:

Use of elementary methods in advanced study of the triangle and circle, special emphasis on solving original examples, comparison of Euclidean and non-Euclidean and projective geometries.

Credit Hours: 3 Prerequisite Courses:

MAT 275

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated.

MAT 346 - Historical Development of Mathematics

Course Description:

Development of mathematics from earliest systems to present century. Personalities involved with the contributions of each. A problem-study approach to give the student some training in research.

Credit Hours: 3 Corequisite Courses:

MAT 275

Additional Restrictions/Requirements:

Corequisite course or consent of instructor.

University Studies: ["Building Competencies/Writing Intensive", "Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated.

MAT 361 - Differential Equations

Course Description:

Theory, methods of solution, and applications of ordinary differential equations with emphasis on first and second order (linear and nonlinear) equations, and systems of first order equations. Methods used include Laplace transforms, matrices, eigenvalues and eigenvectors. Additional topics from power series solutions and numerical methods.

Credit Hours: 3 Prerequisite Courses:

MAT 162 .
Course Repeatability: Course may not be repeated.

MAT 365 - Vector Calculus

Course Description:
A thorough study of differential and integral calculus of vector-valued functions of a vector variable. Jacobians, inverse and implicit function theorems, change of variables in multiple integrals; theorems of Green, Gauss, and Stokes; applications.
Credit Hours: 3 Prerequisite Courses:
MAT 261 and MAT 335
Course Repeatability: Course may not be repeated.

MAT 367 - Methods of Mathematics for Scientists and Engineers

Course Description:
Applied mathematics topics encountered in the physical sciences and engineering disciplines: Fourier series and orthogonal functions; Fourier and Laplace transforms; elementary applications to differential equations and boundary value problems; introduction to complex variables and residue theory.
Credit Hours: 3 Prerequisite Courses:
MAT 261
Additional Restrictions/Requirements:
Prerequisite course; MAT 335 recommended.
Course Repeatability: Course may not be repeated.

MAT 375 - Combinatorics

Course Description:
Techniques for counting configurations of objects. Recurrence relations; principle of inclusion-exclusion; graphs, trees, and circuits. Additional topics chosen from Polya's Theorem, generating functions, and network flows.
Credit Hours: 3 Prerequisite Courses:
MAT 275 or CSC 133
Course Repeatability: Course may not be repeated.

MAT 381 - Introduction to Financial Mathematics

Course Description:

An introduction to the theory of interest and financial economics. This course is designed to comply with the requirements for actuarial exam FM.

Credit Hours: 3 Prerequisite Courses:

MAT 162

Course Repeatability: Course may not be repeated.

MAT 395 - Problem Solving in Mathematics

Course Description:

Introduction to various mathematical problems and methods. Students present solutions in a public seminar and participation in problem solving competitions is encouraged.

Credit Hours: 1 Prerequisite Courses: MAT 162 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 2 Repeat Limit: 1

MAT 396 - Mathematical Explorations in Technology

Course Description:

Utilizing technology as an integrated tool to explore and visualize mathematical concepts and solve mathematics problems related to the school curriculum. Topics include functions, equations, geometry, data analysis, and mathematical modeling.

Credit Hours: 3 Corequisite Courses:

MAT 275 or permission of instructor.

Additional Restrictions/Requirements:

Open only to students with the major B.A. in Mathematics, Option 2 - Teacher Licensure in Mathematics, or B.A. in Middle Grades Education.

Course Repeatability: Course may not be repeated.

MAT 411 - Real Analysis I

Course Description:

Advanced study of convergence, continuity, differentiation, and integration in Euclidean space. The real number system, basic topology of Euclidean spaces; sequences and series; continuity, differentiation of vector-valued functions, uniform

continuity; theory of integration; implicit and inverse function theorems, Stokes' Theorem.
Credit Hours: 3 Prerequisite Courses:
MAT 311 and MAT 335
Crosslisting:
MAT 511
Course Repeatability: Course may not be repeated.

MAT 412 - Real Analysis II

Course Description:
The second course in a two-course sequence. Please see MAT 411 for description.
Credit Hours: 3 Crosslisting:
MAT 512
Course Repeatability: Course may not be repeated.

MAT 415 - Introduction to Complex Variables

Course Description:
First study of functions of a complex variable. Algebra of complex numbers, elementary functions with their mapping properties; analytic functions; power series; integration, Cauchy's Theorem, Laurent series and residue calculus; elementary conformal mappings and boundary value problems.
Credit Hours: 3 Prerequisite Courses:
(MAT 311 and MAT 367) or MAT 411
Crosslisting:
MAT 515
Course Repeatability: Course may not be repeated.

MAT 418 - Partial Differential Equations I

Course Description:
A thorough treatment of the solution of initial and boundary value problems of partial differential equations in one, two, and three dimensions. Topics include classification of partial differential equations, the method of characteristics, separation of variables, Fourier analysis, special functions, Sturm-Liouville theory, and some numerical methods.
Credit Hours: 3 Prerequisite Courses:

MAT 361
Crosslisting:
MAT 518
Course Repeatability: Course may not be repeated.

MAT 421 - Number Theory I

Course Description:
Use of algebraic techniques to study arithmetic properties of the integers and their generalizations. Primes, divisibility and unique factorization in integral domains; congruences, residues and quadratic reciprocity; diophantine equations and additional topics in algebraic number theory.
Credit Hours: 3 Prerequisite Courses: MAT 336 Crosslisting:
MAT 521
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

MAT 425 - Numerical Analysis

Course Description:
Introduction to the theoretical foundations of numerical algorithms. Solution of linear systems by direct methods; least squares, minimax, and spline approximation; polynomial interpolation; numerical integration and differentiation; solution of nonlinear equations; initial value problems in ordinary differential equations. Error analysis. Certain algorithms are selected for programming.
Credit Hours: 3 Prerequisite Courses:
MAT 325 and MAT 335 and MAT 361
Crosslisting:
MAT 525
Course Repeatability: Course may not be repeated.

MAT 430 - Mathematical Theory of Data Science

Course Description:
Mathematical formulation and derivation of established machine learning and data analysis methods, as well as applications. Topics include singular value decomposition, dimension reduction such as low-rank approximation, k-means, support vector machine, clustering and kernel methods, nonnegative matrix factorization and topic models, neural network and image classification.

Credit Hours: 3 Prerequisite Courses:

MAT 261 and MAT 335

Course Repeatability: Course may not be repeated.

MAT 436 - Abstract Algebra II

Course Description:

Advanced study of algebraic structures including rings, modules, and fields. Topics may include Sylow theory, Galois theory, coding theory, and representation theory.

Credit Hours: 3 Prerequisite Courses:

MAT 336

Course Repeatability: Course may not be repeated.

MAT 451 - Topology

Course Description:

A study of the basic concepts of general topology. Metric spaces, continuity, completeness, compactness, connectedness, separation axioms, product and quotient spaces; additional topics in point-set topology.

Credit Hours: 3 Prerequisite Courses:

MAT 275 and MAT 336

Crosslisting:

MAT 551

Course Repeatability: Course may not be repeated

MAT 457 - Differential Geometry

Course Description:

Theory of curves and surfaces in Euclidean space. Frenet formulas, curvature and torsion, arc length; first and second fundamental forms, Gaussian curvature, equations of Gauss and Codazzi, differential forms, Cartan's equations; global theorems.

Credit Hours: 3 Prerequisite Courses:

MAT 365 or MAT 411

Crosslisting:

MAT 557

Course Repeatability: Course may not be repeated.

MAT 463 - Ordinary Differential Equations

Course Description:

Advanced study of ordinary differential equations. Existence and uniqueness; systems of linear equations, fundamental matrices, matrix exponential; series solutions, regular singular points; plane autonomous systems, stability and perturbation theory; Sturm-Liouville theory and expansion in eigenfunctions.

Credit Hours: 3 Prerequisite Courses:

MAT 335 and MAT 361

Crosslisting:

MAT 563

Course Repeatability: Course may not be repeated.

MAT 465 - Applied Probability

Course Description:

The formulation, analysis and interpretation of probabilistic models. Selected topics in probability theory. Conditioning, Markov chains, and Poisson processes. Additional topics chosen from renewal theory, queuing theory, Gaussian processes, Brownian motion, and elementary stochastic differential equations.

Credit Hours: 3 Prerequisite Courses:

MAT 261 and STT 315

Crosslisting:

MAT 565 , STT 465 , STT 565

Course Repeatability: Course may not be repeated.

MAT 467 - Introduction to Mathematical Biology

Course Description:

An introduction to applications of mathematical concepts in developing, analyzing and simulating deterministic biological models. Mathematical methods may include discrete and continuous modeling, non-linear difference equations, as well as ordinary and partial differential equations. Biological applications may include population dynamics, ecology, epidemiology, evolution, molecular biology, and physiology.

Credit Hours: 3 Prerequisite Courses:

MAT 335 and MAT 361

Additional Restrictions/Requirements:

Prerequisite courses or consent of instructor.

Course Repeatability: Course may not be repeated.

MAT 468 - Probability Models with Actuarial Applications

Course Description:

A review of fundamental probability tools for quantitative risk assessment. An introduction to the knowledge of insurance and risk management. Students learn to apply basic probability modeling techniques in a risk management context. This course is designed to comply with the requirements for actuarial exam P.

Credit Hours: 3 Prerequisite Courses:

STT 315

Course Repeatability: Course may not be repeated.

MAT 471 - Projects in Mathematical Modeling

Course Description:

Techniques of problem recognition and formulation, and mathematical solution and interpretation of results. Each student will construct a mathematical model and report on the investigation in written and oral form.

Credit Hours: 3 Prerequisite Courses:

MAT 361 and MAT 335 .

Course Repeatability: Course may not be repeated.

MAT 475 - Topics in Mathematics

Course Description:

Topics of current interest in mathematics not covered in existing courses.

Credit Hours: 3 Additional Restrictions/Requirements:

Junior or senior standing and consent of instructor.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

MAT 476 - Optimization

Course Description:

Examination of the mathematics underlying optimization problems, emphasizing the underlying geometric, algebraic and analytical ideas. Topics covered may include:

convex analysis, least-squares, linear programming, semidefinite programming, optimality conditions, duality theory, numerical methods including gradient descent and Lagrange multipliers.
Credit Hours: 3 Prerequisite Courses:
MAT 261 and MAT 335
Course Repeatability: Course may not be repeated.

MAT 481 - Introduction to Mathematical Logic

Course Description:
The formal study of truth and provability. Propositional calculus; predicate calculus. Godel's completeness theorem, applications to formal number theory and incompleteness. Additional topics chosen from areas such as undecidability or nonstandard analysis.
Credit Hours: 3 Prerequisite Courses:
MAT 275 and MAT 336
Crosslisting:
MAT 581
Course Repeatability: Course may not be repeated.

MAT 491 - Directed Individual Study

Course Description:
Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.
Credit Hours: 1 To 3 Additional Restrictions/Requirements:
Junior or senior standing, overall GPA of at least 2.00, at least a 3.00 average on all mathematics courses taken, and consent of instructor, department chair, and dean.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

MAT 495 - Seminar in Mathematics

Course Description:
Reading, discussion, investigation, and preparation and presentation of reports on selected mathematical topics, under faculty supervision beyond the students' courses of study.
Credit Hours: 3 Additional Restrictions/Requirements:

9 semester hours of mathematics courses at the 300-400 level.
University Studies: ["Building Competencies/Writing Intensive", "Building Competencies/Information Literacy", "Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated.

MAT 496 - Advanced Perspectives in Secondary Mathematics

Course Description:
Students examine key ideas in high school mathematics from an advanced perspective. Under faculty supervision, students read, discuss, investigate, and present reports on mathematical topics beyond the students' courses of study.
Credit Hours: 3 Corequisite Courses:
Corequisite: 6 semester hours of mathematics courses at the 300-400 level.
Additional Restrictions/Requirements:
Open only to majors in mathematics with teaching licensure.
Course Repeatability: Course may not be repeated.

MAT 498 - Internship in Mathematics

Course Description:
Academic training and practical experience through work in a private company or public agency. Supervision and evaluation of all study and on-site activity by a faculty member and an on-site mentor.
Credit Hours: 1 To 3 Additional Restrictions/Requirements:
Junior or senior standing. Overall GPA of at least 2.50, a GPA in MAT courses of at least 2.80, and at least 9 hours of MAT courses numbered 300 or higher. Students must have been approved by the faculty supervisor, department chair, and dean.
University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 3 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

MAT 499 - Honors Work in Mathematics

Course Description:
Individual study for honor students.
Credit Hours: 2 To 3 Additional Restrictions/Requirements:
Eligibility for honors program.
University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be

repeated. Maximum Repeatable Hours: 6

STT 210 - Introduction to Statistics with Applications in the Health Sciences

Course Description:

Topics include descriptive statistics, probability, probability distributions, sampling distributions, confidence intervals, hypothesis testing, correlation and regression. Instruction tailored to applications in the health sciences.

Credit Hours: 3 University Studies: ["Foundations/Mathematics and Statistics"] Course Repeatability: Course may not be repeated.

STT 215 - Introduction to Statistics

Course Description:

Methods of data collection; numerical and graphical analyses of univariate and bivariate data; axioms of probability; conditional probability; independence; distributions of random variables; introduction to confidence intervals and hypothesis testing; simple linear regression and correlation; use of statistical software to analyze data and simulate random variables.

Credit Hours: 3 University Studies: ["Foundations/Mathematics and Statistics"] Course Repeatability: Course may not be repeated.

STT 301 - Probability and Statistics

Course Description: An introduction to descriptive and inferential statistics with practical applications and an introduction to probability including both discrete and continuous models. Topics include graphical and numerical methods of descriptive statistics, counting techniques, discrete and continuous probability distribution, joint distribution, sampling distribution, confidence intervals, hypothesis testing, and simple linear regression. Credit Hours: 3 Corequisite Courses: MAT 162 Prerequisite Courses: MAT 161 Course Repeatability: Course may not be repeated.

STT 303 - R for Data Science

Course Description:

Introduction to data science with an overview of the basic techniques for making informed, data-driven decisions using the R statistical software. Students learn the basics of R programming and use it to visualize, wrangle, manipulate, and explore data of many types and sizes.

Prerequisite Courses:

STT 215, or PSY 225, or BAN 280

Course Repeatability: Course may not be repeated.

STT 305 - Statistical Programming

Course Description:

Introduction to statistical programming in SAS with emphasis on data step programming; applications to data management and report generation, simulation, graphical and numerical analysis of univariate and multivariate data. Comparison of current statistical software.

Credit Hours: 3 Prerequisite Courses: STT 215 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

STT 315 - Introduction to Probability

Course Description:

Introduction to calculus-based probability. Topics include: discrete and continuous random variables and probability distributions; mathematical expectation and variance; sampling distributions and the central limit theorem.

Credit Hours: 3 Prerequisite Courses:

MAT 152 or MAT 162.

Course Repeatability: Course may not be repeated.

STT 350 - Survey Sampling

Course Description:

Elementary survey sampling on the design and analysis of sample surveys. Topics include design of questionnaires; methods of data collection; sample-survey designs including simple random sampling, stratified sampling, cluster sampling, and systematic sampling; ratio and regression estimation; two-stage cluster sampling; sampling from wildlife populations; sources of errors.

Credit Hours: 3 Additional Restrictions/Requirements:

An introductory statistics course from any department.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

STT 411 - Design of Experiments and Analysis of Variance

Course Description:

Review of elementary statistics; design of experiments including completely randomized, randomized block, factorial, split-plot, and repeated measures designs; analysis of variance; non-parametric alternative methods of analysis. Statistical software packages will be used as appropriate in problem solving.

Credit Hours: 3 Additional Restrictions/Requirements:

Any elementary statistics course.

Crosslisting:

STT 511

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

STT 412 - Applied Regression and Correlation

Course Description:

Review of elementary statistics; linear and multiple regression; correlation. Statistical software packages used as appropriate in problem solving.

Credit Hours: 3 Prerequisite Courses:

MAT 335

Additional Restrictions/Requirements:

Any elementary statistics course.

Course Repeatability: Course may not be repeated.

STT 420 - Biostatistical Analysis

Course Description:

Review of statistical methods used in epidemiologic studies and clinical trials. Topics include measures of association, logistic regression, covariates, life tables and Cox regression. Statistical analysis using a statistical software.

Credit Hours: 3 Prerequisite Courses:

STT 315

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

STT 425 - Categorical Data Analysis

Course Description:

Introduction to the analysis of qualitative data. Basic methods of summary and

inference for two- and three-way contingency tables; introduction to the generalized linear model for binary and Poisson data; focus on multinomial responses (nominal and ordinal) and matched pairs data; statistical analysis using SAS.
Credit Hours: 3 Prerequisite Courses: STT 305 Additional Restrictions/Requirements:
Prerequisite course or consent of instructor.
Crosslisting:
STT 525
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

STT 430 - Introduction to Non-Parametric Statistics

Course Description:
Theory and methods of non-parametric statistics in the one- and two-sample problems and their comparisons with standard parametric procedures. Non-parametric tests for comparing more than two samples; tests of randomness and independence.
Credit Hours: 3 Prerequisite Courses: STT 215 Additional Restrictions/Requirements:
Prerequisite course and 3 hours of statistics at the 300 level.
Crosslisting:
STT 530
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

STT 435 - Applied Multivariate Analysis

Course Description:
Matrix manipulations; multivariate normal distribution; inference for mean vector and covariance matrix; multivariate analysis of variance; principal components; canonical correlations; discriminant analysis; factor analysis; cluster analysis; statistical analysis using SAS.
Credit Hours: 3 Prerequisite Courses: STT 315 and STT 411 and STT 412 Crosslisting:
STT 535
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

STT 440 - Linear Models and Regression Analysis

Course Description:
Theoretical introduction to the general linear model and its application to simple linear regression and multiple regression. Estimation and hypothesis testing of

model coefficients; residual analysis; analysis of covariance.
Credit Hours: 3 Prerequisite Courses: MAT 261 and MAT 335 and STT 315 Crosslisting:
STT 540
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

STT 450 - Statistical Machine Learning

Course Description:
Introduction to fundamental principles and applications of machine learning techniques. Topics include linear regression, classification, re-sampling methods, model selection, tree-based classification methods, and Support Vector Machines (SVM). Students learn how to analyze large/high-dimensional real-world application data to build effective machine learning systems using standard programming tools.
Credit Hours: 3 Prerequisite Courses:
STT 215.
Additional Restrictions/Requirements:
Prerequisite course and 3 hours of statistics or data science at the 300 level, or consent of instructor.
University Studies: [""] Course Repeatability: Course may not be repeated. Additional Course Fees: [""] Equivalent Courses: [""]

STT 460 - Statistical Deep Learning

Course Description:
Exploration of the synergy between deep learning and statistical learning principles emphasizing the integration of statistical foundations in the context of computer vision and pattern recognition applications, ensuring robust and interpretable outcomes. Provides practical experience in modeling high-dimensional real-world data, developing solutions that are predictive and grounded in statistical rigor.
Prerequisite Courses:
STT 450
Course Repeatability: Course may not be repeated.

STT 465 - Applied Probability

Course Description:
The formulation, analysis and interpretation of probabilistic models. Selected topics in probability theory. Conditioning, Markov chains, and Poisson processes.

Additional topics chosen from renewal theory, queuing theory, Gaussian processes, Brownian motion, and elementary stochastic differential equations.
Credit Hours: 3 Prerequisite Courses: MAT 261 and STT 315 Crosslisting:
MAT 465 , MAT 565 , STT 565
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

STT 470 - Applied High Performance Computing (HPC) for Statistical Learning

Course Description:
Introduction to the foundational principles and techniques of high-performance computing (HPC) and its applications with statistical learning using large-scale real-world data. Includes parallel architectures, distributed computing, big data frameworks, and practical techniques essential for analyzing massive real-world applications.
Prerequisite Courses:
STT 450
Course Repeatability: Course may not be repeated.

STT 475 - Topics in Statistics

Course Description:
Topics of current interest in statistics not covered in existing courses. May be repeated under a different subtitle.
Credit Hours: 3 Additional Restrictions/Requirements:
Senior standing or consent of instructor.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

STT 490 - Case Studies in Statistical Consulting

Course Description:
Review of case studies involving consulting with clients on statistical design of experiments and analysis of experimental and observational data; analysis of available data sets utilizing statistical software; presentation of oral and written reports on a consulting experience.
Credit Hours: 3 Additional Restrictions/Requirements:
At least 9 hours of STT courses numbered 300 or higher and consent of instructor.
University Studies: ["Building Competencies/Writing Intensive", "Building

Competencies/Information Literacy", "Explorations Beyond the Classroom", "Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

STT 491 - Directed Individual Study

Course Description:

Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the

Depending on their interests and abilities, UNCW students may choose from several kinds of special courses and programs to individualize and otherwise enrich their studies.

- This course, designated as 491 in each department, involves investigation beyond what is offered in existing courses. To enroll in a Directed Individual Study, students must be a junior or senior. Additionally, students must have an overall grade point average of at least 2.00 and the approval of (1) the faculty member who will direct the study, (2) the departmental chairperson, and (3) the appropriate dean. Departmental criteria will include (1) the availability of the instructor (instructors may only supervise a limited number of independent studies each semester), (2) the appropriateness of and need for the proposed study in the student's program, (3) the availability of library and other research resources, and (4) the feasibility of completion of the proposed study in the allotted time. Students are limited to nine credit hours of Directed Individual Study toward graduation requirements.

- Several departments within the College of Humanities, Social Sciences, and the Arts and the professional schools offer field experience courses as part of their semester or summer programs. Participating students conduct individual or group research under faculty guidance at selected areas within and outside the continental United States. Apart from the greater Wilmington area, field experience courses have been conducted in such places as the Florida Keys, Barbados, the Bahamas, Portugal, and parts of Central and South America.

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University of North Carolina system. This consortium offers a broad array of German Studies courses in the language, literature, and culture of the German-speaking countries taught by specialists in the field. The primary focus is on the sharing of upper-level German classes offered each semester on the North Carolina Information Superhighway. Participant universities include Appalachian State University, East Carolina University, North Carolina State University, the University of North Carolina at Asheville, the University of North Carolina at Charlotte, the University of North Carolina at Greensboro, University of North Carolina Wilmington, and Western Carolina University. For course details, visit the UNC Online Exchange.

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University, North Carolina State University, The University of North Carolina at Charlotte, The University of North Carolina at Greensboro, and The University of North Carolina Wilmington. Courses are offered through the UNC Online Exchange.

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- https://uncw.edu/myuncw/academics/graduate-school/forms

Graduate Courses Taken for Undergraduate Credit

Graduate courses at UNCW or other accredited institutions may be used to fulfill undergraduate requirements if approved by the course instructor, student's department chair, undergraduate dean, and the dean of the Graduate School. All other transfer credit policies apply. Permission forms may be obtained on the Graduate School forms page under the "Undergraduate Registration for Graduate Courses" section at https://uncw.edu/myuncw/academics/graduate-school/forms.

Graduate Course Taken as an Undergraduate to Later Apply to a Graduate Degree

Undergraduate students who wish to take graduate courses and later receive graduate credit for them must fill out a Docusign to obtain permission in advance from the course instructor, student's department chair and undergraduate dean, and the Graduate School for approval. Graduate courses taken under this provision may not be used to fulfill undergraduate degree requirements. Permission forms may be obtained on the Graduate School form page under the "Undergraduate Registration for Graduate Courses"
section https://uncw.edu/myuncw/academics/graduate-school/forms.

Credit for Approved Combined Degree Programs

Graduate courses used to fulfill an undergraduate degree requirement at UNCW may be applied to a graduate degree only when taken as part of an approved combined degree program. Courses applied toward an awarded degree may not be applied to a second degree except as described by specific degree programs.

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https://www.uncw.edu/global/
The Office of Global Partnerships and International Education is comprised of three units: Education Abroad, English Language Center, and the Office of International Students & Scholars.

Education Abroad

UNCW offers more than 800 education abroad opportunities in more than 50 countries. Options available include coursework taken abroad, international internships for academic credit, credit-bearing service-learning experiences, academic research, and virtual global learning opportunities. UNCW provides education abroad opportunities to suit nearly every major and credit earned through international programs may be applied towards a UNCW degree. Financial aid may

be used in conjunction with education abroad programs and scholarships are available. Students may select from short-term and summer programs, as well as semester, year-long and two-year dual degree options.

All applications for any credit-bearing program abroad must be made through the Office of Global Partnerships and International Education.

UNCW students who study abroad retain their active UNCW student status and will not have to re-enroll upon return.

Eligibility requirements include:

- 18 years of age at the time of participation
- Good disciplinary standing
- 2.5+ cumulative grade point average
- Sophomore+ status (select programs are open to first-year students)
- Any program-specific requirements
-

Several programs in the College of Humanities, Social Sciences, and the Arts, College of Science and Engineering, College of Education, College of Health and Human Services, and the Cameron School of Business offer students the opportunity to earn academic credit within a work environment external to the program. The purpose of the internship experience is to enhance, supplement, and integrate the learning that occurs in formal classroom settings. Permission of the dean and program offering the internship is required to enroll, and the program places limits on the number of credit hours earned applicable toward graduation. Internships designated by a 498 number will be graded on a Pass (P), Fail (F) basis. These credit hours earned will count towards the number of hours required to graduate, but the grade of Pass (P) will be excluded from the computation of the GPA. For further information on internships, refer to the courses numbered 498 in the course listings and then contact the departments offering them.

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The North Carolina Child Welfare Education Collaborative is a university-agency partnership that ensures a quality work force in child welfare settings. The educational goal of this program is to directly address the workforce need for social workers in child welfare settings. Administered by the Jordan Institute for Families, the collaborative includes North Carolina social work education programs, the NC Division of Social Services, the NC Association of County Directors of Social Services and the NC Chapter of the National Association of Social Workers.

Educating, training, and supporting current and future social workers in child welfare meets the goal of strengthening families and protecting children. The collaborative offers focused educational courses, training and field experience in child welfare agencies. Participating universities include Appalachian State University, University of North Carolina at Chapel Hill, East Carolina University, North Carolina State University, Joint Masters of Social Work Program at University of North Carolina at Greensboro and North Carolina Agricultural and Technical State University, and University of North Carolina Wilmington.

- The Reverse Transfer Program is a collaborative effort between North Carolina's Community Colleges and the University of North Carolina's 16 constituent institutions. Students who transfer to UNC Wilmington from one of the 58 North Carolina community colleges are given the opportunity to combine the credits earned at UNCW with credit already earned at the community college to determine if the associate degree requirements have been met. Students have the opportunity to opt-in to this program at the time of admission as a transfer student. There is no cost to participate. For more information, contact the Office of the Registrar.
  Eligibility: Students must have earned at least 16 college-level credit hours at one community college applicable towards their degree, to be eligible to participate. After earning a total of 60 combined credits, the student's UNCW records will be sent back to their previous community college for evaluation. The community college will contact students via their UNCW email, with further details, if the Associate degree is awarded.

- Several UNCW courses employ service-learning opportunities. Service learning is an innovative method of teaching and learning that combines thoughtfully organized service to the community with other means of instruction. Community service-projects are integrated into and enhance the academic curriculum of students, fitting naturally into the philosophy and pedagogy of a variety of disciplines and fostering civic responsibility. Both students and the community benefit from service learning. Service-learning courses have several strengths, not the least of which is that they are adaptable to the needs of the community while providing structured time for the students to reflect on the service experience.

section in this catalogue.

Credit Hours: 1 To 3 Additional Restrictions/Requirements:

Junior or senior standing, overall GPA of at least 2.00, at least a 3.00 average on all mathematics and statistics courses taken, and consent of instructor, department chair, and dean.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

STT 498 - Internship in Statistics

Course Description:

Academic training and practical experience through work in a private company or public agency; presentation of oral report on internship experience. Faculty supervision and evaluation of all study and on-site activity.

Credit Hours: 3 Additional Restrictions/Requirements:

Junior or senior standing, overall GPA of at least 2.50, GPA in STT courses at least 2.80, and at least 9 hours of STT courses numbered 300 or higher, and approval by faculty supervisor, department chair, and dean.

University Studies: ["Building Competencies/Writing Intensive", "Building Competencies/Information Literacy", "Explorations Beyond the Classroom", "Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:

Additional Course Fee Schedule

STT 499 - Honors Work in Statistics

Course Description:

Individual study for honors students.

Credit Hours: 2 To 3 Additional Restrictions/Requirements:

Eligibility for honors program.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

Department of Physics and Physical Oceanography

http://uncw.edu/phy

The Department of Physics and Physical Oceanography offers programs leading to

the B.S. and B.A. in physics and the B.S. degree in coastal engineering. These degrees prepare students for careers in industry, or for advanced study in physics or engineering disciplines.

Physical Oceanography Minor

Physics Minor

The minor in Physics is a program designed to give students a background in advanced physics courses.

Physics, B.A.

The Bachelor of Arts degree in Physics is appropriate for students seeking an in-depth understanding of physics within the context of a broader education. With multiple options, this curriculum allows freedom to choose a specific area of interest while offering freedom to choose electives offered by other departments. It is ideal for students wishing to pursue double majors, matching physics with another discipline.

Physics, B.S.

The Bachelor of Science degree in Physics is appropriate for students planning to pursue physics as a professional career, either immediately after graduation in a physics-related insutry or after graduate study in physics or a related field.

Science Teacher Licensure

Coastal Engineering, B.S.

The B.S. Coastal Engineering program teaches students to address critical issues affecting coastal communities around the world by applying fundamentals of engineering in a problem-based learning environment. The program focuses on

foundational courses in mathematics, statics, and fluid mechanics and specialized courses in coastal processes, numerical modeling, and field techniques. Students are prepared for careers in consulting, local, state, and federal government, and cutting-edge research.

Coastal Engineering and Coastal and Ocean Policy, Bachelor's/Master's Combined Program

Objective

The BS Coastal Engineering/ MS Coastal and Ocean Policy (MCOP) combined degree program uniquely combines technical engineering skills and a foundation in policy development and decision-making specific to coastal and marine areas. This degree pathway will prepare students to develop solutions to complex coastal issues by considering the engineering design cycle while simultaneously recognizing the implications of evolving coastal and ocean policy. The degree recognizes that engineering projects impact public policy as much as public policy impacts the implementation of engineering projects. As the environment, technology, energy, and infrastructure change in the coming decades, students completing this program will be trained to tackle important issues and become leaders and key decision-makers in coastal resilience, adaptation, and governance.

EGN 101 - Introduction to Engineering

Course Description:

Profession and practice of engineering. Ethics, professionalism, unit systems, problem solving, data presentation, communication, teamwork, and design.

Credit Hours: 2 Additional Restrictions/Requirements:

This course is restricted to Freshman students only.

University Studies: ["Foundations/First Year Seminar"] Course Repeatability: Course may not be repeated.

EGN 102 - Introduction to Coastal Engineering

Course Description:

Introduction to the field of coastal engineering and its relationship to other engineering disciplines (civil, structural, environmental) and sciences (geology, oceanography). Examination of basic wave mechanics, tide theory, coastal storm

processes and sediment transport processes to support a basic understanding of coastal erosion and approaches to address coastal erosion.
Credit Hours: 3 Prerequisite Courses:
EGN 101 (C- or better), MAT 161
University Studies: ["Approaches and Perspectives/Living in a Global Society"] Course Repeatability: Course may not be repeated.

EGN 201 - Engineering Statics

Course Description:
An introduction to concepts in engineering based on forces in equilibrium. Topics include basic force concepts and equilibrium analysis, distributed forces, centroids, moments of inertia, application to structural elements. Upon completion, students should be able to solve problems which require the ability to analyze systems of forces in static equilibrium.
Credit Hours: 3 Prerequisite Courses:
PHY 201 .
Course Repeatability: Course may not be repeated.

EGN 202 - Engineering Dynamics

Course Description:
This course introduces the dynamical analyses of the response to forces. Topics include kinematics and kinetics of particles, systems of particles, and rigid bodies; absolute and relative motion; Newtown's laws, work-energy and impulse-momentum methods.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

EGN 210 - Engineering Economic Analysis

Course Description:
This course is focused on engineering and managerial decision making. Topics will include the theory of interest; equivalent annual costs; present worth; internal rates of return; benefit/cost ratios. Techniques in cost minimization models and sensitivity analysis will be developed in the context of engineering examples.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

EGN 220 - Engineering Graphics

Course Description:

Introduction to basic engineering graphics principles, skills and practices using Computer Aided Drafting and Design (CADD) software. Topics include sketching, selection of methods and tools, and hands on use of current CADD software applications. Considers design, creation of drawings, plan sheets, and cross-sections, calculations, and assembly of construction drawings.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

EGN 301 - Mechanics of Solids

Course Description:

Elementary analysis of deformable solids subjected to force systems. Topics include material behavior; relationship between external forces acting on elastic and inelastic bodies and the resulting behavior; stress and deformation of bars, beams, shafts, pressure vessels, stress and strain; combined stresses; columns.

Credit Hours: 3 Prerequisite Courses:

EGN 201 (C- or better)

Course Repeatability: Course may not be repeated.

EGN 310 - Fluid Mechanics for Engineers

Course Description:

Fluid mechanics uses knowledge from mathematics, physics, statics, and dynamics to analyze problems involving the fluid medium. Topics include fluid properties, hydrostatic pressure, pressure on surfaces, conservative equations of mass, momentum and energy, pumps and turbines, open channel flows, and pipe flows in relation to real world engineering problems.

Credit Hours: 3 Prerequisite Courses:

MAT 361 and EGN 201 (C- or better)

Course Repeatability: Course may not be repeated.

EGN 311 - Coastal Engineering and Fluids Lab

Course Description:

Applied methods in laboratory investigations into coastal engineering and fluid

mechanics principles in a sequence of seven experiments: hydrostatic pressure on submerged surface, stability of a floating body, flow from a hole, hydraulic jump, flow measurement, wave measurements in a wave flume, and beach sediment analysis.
Credit Hours: 1 Prerequisite Courses:

EGN 330 (C- or better)

Course Repeatability: Course may not be repeated.

EGN 320 - Water Resources Engineering

Course Description:

Introduction to quantitative methods in water resource systems. Topics include hydrology, precipitation, hydrograph analysis, reservoir and steam routing; groundwater, Darcy equation, well equation, well design; probability concepts in design; water law;dams; reserviors; spillways; open channel and pipe network hydraulics; pumps; urban stormwater drainage; flood damage mitigation.
Credit Hours: 3 Prerequisite Courses:

EGN 310 (C- or better)

Course Repeatability: Course may not be repeated.

EGN 330 - Coastal Wave Mechanics

Course Description:

Examination of the mechanics of water wave motion using linear and non-linear wave theories. Exploration of wave generation, forecasting and measurement. Covers wave propagation and transformation from offshore to the nearshore where waves interact with the bottom causing shoaling, breaking and initiating sediment movement.
Credit Hours: 3 Prerequisite Courses:

MAT 361

Course Repeatability: Course may not be repeated.

EGN 340 - Matlab for Engineering Analysis

Course Description:

An introduction to the MATrix LABoratory (MATLAB) software. Topics to be covered include: basic programming; data management and manipulation; curve fitting and interpolation; image processing; advanced 3D plotting and movie generation; and basic applied numerical methods.

Credit Hours: 3 Prerequisite Courses:

MAT 261 .

Course Repeatability: Course may not be repeated.

EGN 400 - Fundamentals of Engineering Review

Course Description:

Review of topics on the National Council of Examiners for Engineering and Surveying (NCEES) Fundamentals of Engineering (FE) exam. Students become familiar with exam topics and get hands-on problem-solving skills. All 14 topics for the "Other Disciplines" exam specification are covered.

Credit Hours: 1 Prerequisite Courses:

EGN 301 (C- or better), EGN 320 (C- or better), and EGN 340 (C- or better).

Course Repeatability: Course may not be repeated.

EGN 401 - Sediment Transport Processes

Course Description:

This course will examine the physical processes of sandy beaches, coastal sediments, surf zone dynamics, beach profile evolution and cross-shore and longshore sediment transport. The class will also cover beach profile response and sediment transport as a result of waves, currents and storms.

Credit Hours: 3 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

EGN 402 - Dredging and Beach Nourishment

Course Description:

This course will examine types of dredges and their operation and the process of dredging for beach nourishment. Students will learn about the elements of beach nourishment design including cross-shore and planform design considerations, borrow areas (upland, offshore and inlets), environmental effects of beach nourishment and current dredging/beach nourishment costs. Numerical modeling of beach and dune erosion, shoreline change and storm induced impacts will be introduced. Local examples and ongoing beach nourishment projects will be examined.

Credit Hours: 3 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

EGN 410 - Field Methods in Coastal Engineering

Course Description:

Introduction to the concepts, instrumentation, and field methods used to observe physical processes specific to the highly-dynamic coastal environment, such as wind, waves, currents, tides, and sediment transport. Hands-on experience in operating, deploying, and analyzing data from sensors that measure waves and currents, as well as with advanced surveying techniques for monitoring beach morphology (e.g., LIDAR, RTK GPS, and SONAR).

Credit Hours: 3 Prerequisite Courses:

EGN 340 (C- or better) and EGN 330 (C- or better).

Course Repeatability: Course may not be repeated.

EGN 420 - Applied Coastal Modeling

Course Description:

Provides the knowledge and tools necessary to apply state of the art numerical models in coastal settings. Specific models vary depending on the instructor's expertise. Examples include ADCIRC, FUNWAVE, DELFT3D, or XBeach.

Credit Hours: 3 Prerequisite Courses:

EGN 340 (C- or better) and EGN 330 (C- or better).

Course Repeatability: Course may not be repeated.

EGN 430 - Coastal Structures

Course Description:

Examine the functional design of coastal structures distinguishing between groins, jetties, seawalls, breakwaters, revetments and bulkhealds. Hydraulic design and structural stability as a result of breaking and non-breaking wave loading are also covered. In addtion, students examine the materials used and cost implications of coastal structures.

Credit Hours: 3 Prerequisite Courses:

EGN 301 (C- or better) and EGN 330 (C- or better).

Course Repeatability: Course may not be repeated.

EGN 490 - Special Topics in Coastal Engineering

Course Description:

Selected topics in coastal engineering that are beyond the scope of regular course offerings. May be repeated under a separate course title.

Credit Hours: 1 To 3 Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Repeat Limit: 1

EGN 491 - Directed Individual Study

Course Description:

Investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the

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Graduate courses at UNCW or other accredited institutions may be used to fulfill undergraduate requirements if approved by the course instructor, student's department chair, undergraduate dean, and the dean of the Graduate School. All other transfer credit policies apply. Permission forms may be obtained on the Graduate School forms page under the "Undergraduate Registration for Graduate Courses" section at https://uncw.edu/myuncw/academics/graduate-school/forms.

Graduate Course Taken as an Undergraduate to Later Apply to a Graduate Degree

Undergraduate students who wish to take graduate courses and later receive graduate credit for them must fill out a Docusign to obtain permission in advance from the course instructor, student's department chair and undergraduate dean, and the Graduate School for approval. Graduate courses taken under this provision may not be used to fulfill undergraduate degree requirements. Permission forms may be obtained on the Graduate School form page under the "Undergraduate Registration for Graduate Courses"
section https://uncw.edu/myuncw/academics/graduate-school/forms.

Credit for Approved Combined Degree Programs

Graduate courses used to fulfill an undergraduate degree requirement at UNCW may be applied to a graduate degree only when taken as part of an approved combined degree program. Courses applied toward an awarded degree may not be applied to a second degree except as described by specific degree programs.

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https://www.uncw.edu/global/
The Office of Global Partnerships and International Education is comprised of three units: Education Abroad, English Language Center, and the Office of International Students & Scholars.

Education Abroad

UNCW offers more than 800 education abroad opportunities in more than 50 countries. Options available include coursework taken abroad, international internships for academic credit, credit-bearing service-learning experiences, academic research, and virtual global learning opportunities. UNCW provides

education abroad opportunities to suit nearly every major and credit earned through international programs may be applied towards a UNCW degree. Financial aid may be used in conjunction with education abroad programs and scholarships are available. Students may select from short-term and summer programs, as well as semester, year-long and two-year dual degree options.

All applications for any credit-bearing program abroad must be made through the Office of Global Partnerships and International Education.

UNCW students who study abroad retain their active UNCW student status and will not have to re-enroll upon return.

Eligibility requirements include:

- 18 years of age at the time of participation
- Good disciplinary standing
- 2.5+ cumulative grade point average
- Sophomore+ status (select programs are open to first-year students)
- Any program-specific requirements
-

Several programs in the College of Humanities, Social Sciences, and the Arts, College of Science and Engineering, College of Education, College of Health and Human Services, and the Cameron School of Business offer students the opportunity to earn academic credit within a work environment external to the program. The purpose of the internship experience is to enhance, supplement, and integrate the learning that occurs in formal classroom settings. Permission of the dean and program offering the internship is required to enroll, and the program places limits on the number of credit hours earned applicable toward graduation. Internships designated by a 498 number will be graded on a Pass (P), Fail (F) basis. These credit hours earned will count towards the number of hours required to graduate, but the grade of Pass (P) will be excluded from the computation of the GPA. For further information on internships, refer to the courses numbered 498 in the course listings and then contact the departments offering them.

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The North Carolina Child Welfare Education Collaborative is a university-agency partnership that ensures a quality work force in child welfare settings. The educational goal of this program is to directly address the workforce need for social workers in child welfare settings. Administered by the Jordan Institute for Families, the collaborative includes North Carolina social work education programs, the NC

Division of Social Services, the NC Association of County Directors of Social Services and the NC Chapter of the National Association of Social Workers. Educating, training, and supporting current and future social workers in child welfare meets the goal of strengthening families and protecting children. The collaborative offers focused educational courses, training and field experience in child welfare agencies. Participating universities include Appalachian State University, University of North Carolina at Chapel Hill, East Carolina University, North Carolina State University, Joint Masters of Social Work Program at University of North Carolina at Greensboro and North Carolina Agricultural and Technical State University, and University of North Carolina Wilmington.

- The Reverse Transfer Program is a collaborative effort between North Carolina's Community Colleges and the University of North Carolina's 16 constituent institutions. Students who transfer to UNC Wilmington from one of the 58 North Carolina community colleges are given the opportunity to combine the credits earned at UNCW with credit already earned at the community college to determine if the associate degree requirements have been met. Students have the opportunity to opt-in to this program at the time of admission as a transfer student. There is no cost to participate. For more information, contact the Office of the Registrar. **Eligibility:** Students must have earned at least 16 college-level credit hours at one community college applicable towards their degree, to be eligible to participate. After earning a total of 60 combined credits, the student's UNCW records will be sent back to their previous community college for evaluation. The community college will contact students via their UNCW email, with further details, if the Associate degree is awarded.

- Several UNCW courses employ service-learning opportunities. Service learning is an innovative method of teaching and learning that combines thoughtfully organized service to the community with other means of instruction. Community service-projects are integrated into and enhance the academic curriculum of students, fitting naturally into the philosophy and pedagogy of a variety of disciplines and fostering civic responsibility. Both students and the community benefit from service learning. Service-learning courses have several strengths, not the least of which is that they are adaptable to the needs of the community while providing structured

time for the students to reflect on the service experience.

section in the catalogue.
Credit Hours: 1 To 3 Additional Restrictions/Requirements:
Junior or senior standing, overall GPA of at least 2.00, and consent of instructor, department chair and dean.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Repeat Limit: 2

EGN 495 - Engineering Capstone I

Course Description:
A coastal engineering design-focused senior capstone experience with students working either individually or in small teams to research, evaluate alternatives, prepare design documents (plans and specifications) and present solutions to a design review board composed of faculty, local government agencies and/or consultants.
Credit Hours: 4 Additional Restrictions/Requirements:
Senior standing.
University Studies: ["Explorations Beyond the Classroom", "Building Competencies/Information Literacy", "Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

EGN 496 - Engineering Capstone II

Course Description:
A senior capstone course focusing on the business side of the coastal engineering profession. Mentors from local coastal engineering firms and government agencies work with students to understand marketing, business development, business management, project management, contracting and accounting in an engineering context.
Credit Hours: 3 Additional Restrictions/Requirements:
Senior standing.
Course Repeatability: Course may not be repeated.

EGN 498 - Internship in Engineering

Course Description:
Practical experience and academic training in the student's principal area of interest.

Joint supervision and evaluation by a engineering faculty member and an on-site supervisor.

Additional Restrictions/Requirements:

Junior or senior standing, overall GPA of at least 2.50 and a GPA in EGN courses of at least 2.80. Students must be pre-approved by the faculty supervisor, department chair and dean.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Repeat Limit: 1

EGN 499 - Honors Work in Coastal Engineering

Course Description:

Independent work for honors students.

Credit Hours: 2 To 3 Additional Restrictions/Requirements:

Junior or senior standing.

University Studies: ["Building Competencies/Writing Intensive", "Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Repeat Limit: 2

PHY 101 - Elementary College Physics I

Course Description:

First semester of a two semester algebra-based introduction to the fundamental principles of physics. Topics include kinematics, Newtonian statics and dynamics, gravitation, oscillations, and mechanical waves.

Credit Hours: 4 Prerequisite or Corequisite Courses:

MAT 111 or MAT 112 or MAT 150 or MAT 151 or MAT 160 or MAT 161

University Studies: ["Approaches and Perspectives/Scientific Approaches to the Natural World"] Course Repeatability: Course may not be repeated.

PHY 102 - Elementary College Physics II

Course Description:

Second semester of a two semester algebra-based introduction to the fundamental principles of physics. Topics include electric and magnetic fields, circuits, electromagnetic waves, and optics.

Credit Hours: 4 Prerequisite Courses:

PHY 101

Course Repeatability: Course may not be repeated.

PHY 103 - Great Ideas in Physics

Course Description:

Introduces the nature of science to the nonscientist by emphasizing the concepts underlying four great ideas in physics: the conservation of energy, the second law of thermodynamics, the relativity of time, and the wave-particle duality of nature. Explores the mutual influence of science and the humanities (literature, philosophy, history, and the arts).

Credit Hours: 3 Course Repeatability: Course may not be repeated.

PHY 104 - Physics Everyone Should Know

Course Description:

Prepares individuals with the physics needed to be effective world leaders by stressing conceptual understanding rather than mathematics with applications to current events. Physics is critical to our understanding of energy, space, global warming, nuclear power, and technology.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Scientific Approaches to the Natural World"] Course Repeatability: Course may not be repeated.

PHY 105 - Introductory Physics

Course Description:

Survey of topics in physics for non-science majors covering the fundamentals of mechanics, heat, light, sound, and electricity and magnetism, and their application in today's society.

Credit Hours: 0 To 4 Course Repeatability: Course may not be repeated.

PHY 106 - Physics of Sailing

Course Description:

Application of physics principles to sailing. Topics include kinetics, vectors, Newtonian mechanics, and fluid mechanics. Basic keelboat sailing is taught in the laboratory component, leading to American Sailing Association ASA 101, certification. Three lecture and two laboratory hours each week. Fee required.

Credit Hours: 4 Prerequisite or Corequisite Courses:

MAT 111 or MAT 112 or MAT 150 or MAT 151 or MAT 160 or MAT 161

Course Repeatability: Course may not be repeated.

PHY 107 - Introduction to Climate Physics

Course Description:

Topics in algebra-based physics as applied to the global climate system and global energy balance. Introduction to the physics of the atmosphere and ocean, including vertical and meridional structure, atmospheric circulation and convection, wind-driven and thermohaline ocean circulation, climate variability and global warming, climate modeling and the modern international climate science process.

Credit Hours: 0 To 4 Course Repeatability: Course may not be repeated.

PHY 111 - Naked-eye Astronomy and Archaeoastronomy

Course Description:

Detailed knowledge of the motions of the sun, moon, planets, and stars is used to understand ancient skywatching techniques, calendars, celestial lore, sky mythology, cosmological concepts and traditions; the impact of astronomy on the architecture, city planning and cultures of prehistoric societies: ancient European (Stonehenge), Babylonian, Egyptian, Mesoamerican, and Native North American. Occasional night viewings.

Credit Hours: 3 Course Repeatability: Course may not be repeated. Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

PHY 201 - General Physics I

Course Description:

First semester of a two semester calculus-based introduction to the fundamental principles of physics for the physical and mathematical sciences. Topics include kinematics, Newtonian statics and dynamics, gravitation, oscillations, and mechanical waves.

Credit Hours: 4 Prerequisite or Corequisite Courses:

MAT 161

University Studies: ["Approaches and Perspectives/Scientific Approaches to the Natural World"]
Course Repeatability: Course may not be repeated.

PHY 202 - General Physics II

Course Description:

Second semester of a two semester calculus-based introduction to the fundamental principles of physics for the physical and mathematical sciences. Topics include electric and magnetic fields, circuits, Maxwell's equations, electromagnetic waves, and optics.

Credit Hours: 4 Prerequisite or Corequisite Courses:

MAT 162

Prerequisite Courses:

PHY 201

Course Repeatability: Course may not be repeated.

PHY 215 - Introduction to Computing in the Physical Sciences

Course Description:

The computational methods commonly used to display and analyze data in the physical sciences by introducing students to the basics of MATLAB (tm) or a similar programming language. Topics include: control structures, handle graphics functions and matrix algebra. Laboratory setting, emphasiziing work with real environmental data and project-based.

Credit Hours: 1 Prerequisite Courses:

MAT 162

Course Repeatability: Course may not be repeated.

PHY 220 - The Physics of Music

Course Description:

An introduction to the physical principles underlying music. Study of resonance, the overtone series, and timbre for both acoustic and electronic instruments, as well as psychoacoustics, pitch, and Western and non-Western musical scales. Familiarity with pre-college trigonometry and algebra is presumed.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

PHY 225 - Electronics

Course Description:

Practical introduction to making consumer electronic circuits in three formats: breadboard prototypes; hard-wired through-hole component circuits; and surface mount-circuits, laid out using photo-lithography. Study of software tools to document and test circuit designs, and to create photo-lithographic masks to use in creating printed circuit boards.

Credit Hours: 3 Additional Restrictions/Requirements:

Consent of instructor.

Course Repeatability: Course may not be repeated.

PHY 260 - Introduction to Astronomy

Course Description:

Descriptive course in principles, theories, and techniques of astronomy. Occasional night viewings.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Scientific Approaches to the Natural World"] Course Repeatability: Course may not be repeated. Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

PHY 291 - Introductory Research in Physics

Course Description:

Physics or Physical Oceanography research under faculty supervision beyond what is offered in existing courses.

Additional Restrictions/Requirements:

Freshman or sophomore class standing. Instructor approval.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Repeat Limit: 2

PHY 300 - Analog Circuits

Course Description:

Study of passive (resistors, capacitors, inductors) and active (diodes, transistors) components in AC and transient circuits, and integrated circuits utilizing them; skills such as soldering, splicing, and component testing. Culminates in the design and construction of a functional electronic device.

Credit Hours: 4 Prerequisite Courses:

PHY 202

University Studies: ["Explorations Beyond the Classroom", "Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

PHY 311 - Mathematical Physics

Course Description:
Introduction to mathematical techniques in physics: vector analysis, operator and matrix analysis; functions of a complex variable and calculus of residues; functions of mathematical physics; eigenfunctions and the Sturm-Liouville equation; and Fourier series and transforms.
Credit Hours: 3 Prerequisite Courses:
PHY 202 .
Course Repeatability: Course may not be repeated.

PHY 315 - Computational Physics and Complexity

Course Description:
Corequisites: PHY 321 or MAT 361 . Introduction to numerial modeling techniques for solving problems in physics and complex systems. Numerial techniques will be applied to classical mechanics, bifurcation and dynamical systems, chaotic systems, thermodynamics, optimization, cellular automata, and self-organization.
Credit Hours: 3 University Studies: ["Explorations Beyond the Classroom", "Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

PHY 321 - Classical Dynamics I

Course Description:
Newtonian and Lagrangian formulations of mechanics applied to single particles and systems of particles, central forces, oscillations, and normal mode analysis. Rotating frames of reference.
Credit Hours: 4 Prerequisite or Corequisite Courses:
PHY 311 or MAT 361 .
Prerequisite Courses:
PHY 202 .
Course Repeatability: Course may not be repeated.

PHY 322 - Classical Dynamics II

Course Description:
The second course in a two-course sequence. Please see PHY 321 for description.

Credit Hours: 0 Or 3 Course Repeatability: Course may not be repeated.

PHY 335 - Modern Physics I

Course Description:

Introduction to special relativity and wave mechanics. First of a two-course sequence in Modern Physics.

Credit Hours: 3 Prerequisite Courses:

PHY 202 .

University Studies: ["Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

PHY 336 - Modern Physics II

Course Description:

Second semester of the Modern Physics sequence. Aims to familiarize students with the fundamental concepts, methods, and open questions in a wide range of subfields through the application of relativity and simple quantum mechanics. Possible topics include atomic physics, nuclear physics, particle physics, solid-state physics, astrophysics, and cosmology.

Credit Hours: 3 Prerequisite Courses:

PHY 335

Course Repeatability: Course may not be repeated.

PHY 350 - Fluid Mechanics

Course Description:

Emphasizes fundamental physical principles; fluid statics, fluid kinematics, integral and differential forms of the conservation laws for mass, momentum and energy; Bernoulli equation; laminar flows; potential flows; vorticity dynamics; dyanamic similarity; boundary layers; turbulence.

Credit Hours: 3 Prerequisite Courses:

PHY 321 or MAT 361

Course Repeatability: Course may not be repeated.

PHY 400 - Experimental Physics

Course Description:

Seminal experiments illuminating a particular branch of modern physics, using topics drawn from atomic, nuclear, solid-state, plasma, and optical physics. Students participate in the design and implementation of experiments and acquire skills such as data organization, error analysis, and interpretation of results.
Credit Hours: 3 Prerequisite Courses:
PHY 202 and PHY 314 .
University Studies: ["Building Competencies/Writing Intensive", "Explorations Beyond the Classroom/Certified Internship Program"] Course Repeatability: Course may not be repeated.

PHY 411 - Electricity and Magnetism

Course Description:
Electric and magnetic field theory; Poisson's and Laplace's equation; harmonic methods, special methods for solution of electrostatics problems, material media and boundary value problems; electromagnetic waves.
Credit Hours: 3 Prerequisite or Corequisite Courses:
MAT 261 .
Prerequisite Courses:
PHY 202 .
Course Repeatability: Course may not be repeated.

PHY 412 - Electricity and Magnetism II

Course Description:
The second course in a two-course sequence. Please see PHY 411 for description.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

PHY 414 - Engineering Physics I

Course Description:
Introduction to the practical fabrication of devices. Students will learn to use CAD (Computer-Aided Design) software to design projects and will also learn how to use hand tools, standard and CNC (Computer Numerical Controlled) machine tools, and 3D printers to fabricate objects. This class is intrinsically project oriented.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

PHY 415 - Solid State Physics

Course Description:

A study of the basic properties of solids--crystal structure; mechanical, thermal and electromagnetic properties as determined by the phonon, electron, and magnon characteristics.

Credit Hours: 3 Prerequisite Courses:

PHY 335

Course Repeatability: Course may not be repeated.

PHY 417 - Engineering Physics II

Course Description:

Integration of fabricated objects with hand-built electronic circuits and microprocessors in order to make sophisticated devices for practical use. This class is intrinsically project oriented.

Credit Hours: 3 Prerequisite Courses:

PHY 225 and PHY 414 .

Course Repeatability: Course may not be repeated.

PHY 420 - Global Climate Change

Course Description:

Analysis of natural and anthropogenic global climate change. Historical and geological records of climate including sediment, tree ring, and ice core analysis. Physics and chemistry of climate, including Earth's energy balance, global carbon cycle, climate modeling, atmospheric composition and dynamics.

Credit Hours: 3 Prerequisite Courses:

PHY 102 or (PHY 202 and CHM 102 and CHML 102 and MAT 162)

University Studies: ["Building Competencies/Writing Intensive"] Crosslisting:

GGY 420 , GLY 420

Course Repeatability: Course may not be repeated.

PHY 425 - Atomic and Molecular Physics

Course Description:

The quantum theory of atomic and molecular structure and spectra. Topics include relativistic and electromagnetic interactions; the hydrogen atom, the helium atom, multielectron atoms; radiative and Auger transitions, selection rules; diatomic and simple polyatomic molecules.

Credit Hours: 3 Prerequisite Courses:

PHY 444

Course Repeatability: Course may not be repeated.

PHY 435 - Nuclear Physics

Course Description:

Introduction to properties of the nucleus; natural and artificial radioactivity; nuclear reactions and particle accelerators.

Credit Hours: 3 Prerequisite Courses:

PHY 335

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated.

PHY 444 - Quantum Theory

Course Description:

Introduction to basic principles of quantum mechanics. Topics include operators, symmetry, orbital and spin angular momentum, perturbation theory, and applications to simple systems.

Credit Hours: 4 Corequisite Courses:

MAT 361

Prerequisite Courses:

PHY 335

Course Repeatability: Course may not be repeated.

PHY 445 - Optics

Course Description:

Physical and geometrical optics. Huygen's principles, electromagnetic theory of light.

Credit Hours: 3 Prerequisite Courses:

PHY 202 and MAT 261

Course Repeatability: Course may not be repeated.

PHY 455 - Thermal Physics

Course Description:

Principles of thermodynamics and heat transfer; response of molecules to temperature effects illustrated by introduction to kinetic theory and statistical mechanics.

Credit Hours: 3 Prerequisite Courses:

PHY 335

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Course Repeatability: Course may not be repeated.

PHY 475 - Physical Oceanography

Course Description:

An introduction to the descriptive and dynamical features of ocean circulation. Topics include: the physical properties of seawater; oceanic heat budget; dynamics of ocean currents; descriptive oceanography; waves and tides.

Credit Hours: 3 Prerequisite Courses:

(MAT 152 or MAT 162) and (PHY 102 or PHY 202)

Crosslisting:

PHY 575

Course Repeatability: Course may not be repeated.

PHY 477 - Observational Methods in Physical Oceanography

Course Description:

Description of instrumentation used to measure temperature, salinity, pressure, and current in the ocean. Hands-on use of techniques and instrumentation to collect and analyze real oceanographic data. Credit is not allowed for both PHY 477 and PHY 577 .

Credit Hours: 3 Prerequisite Courses:

PHY 315 and PHY 475

University Studies: ["Explorations Beyond the Classroom", "Building Competencies/Writing Intensive"] Crosslisting:

PHY 577

Course Repeatability: Course may not be repeated. Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:

Additional Course Fee Schedule

PHY 478 - Geophysical Fluid Dynamics

Course Description:

The fundamental principles governing the flow of a density-stratified fluid on a rotating planet, with applications to the motions of the ocean and atmosphere. Equations of state, compressibility, Boussinesq approximation. Geostrophic balance, Rossby number. Poincare, Kelvin, Rossby waves, and geostrophic adjustment. Credit is not allowed for both PHY 478 and PHY 578 .

Credit Hours: 3 Corequisite Courses:

PHY 475

Prerequisite Courses:

PHY 350

Crosslisting:

PHY 578

Course Repeatability: Course may not be repeated.

PHY 479 - Ocean Circulation Systems

Course Description:

Focus on results of World Ocean Circulation Experiment (WOCE), a multi-national, multi-decadal program designed to observe the global ocean. Explores large-scale circulation and properties of the ocean as foundation for understanding the future of the world oceans and their role in climate change. Credit is not allowed for both PHY 479 and PHY 579 .

Credit Hours: 3 Prerequisite Courses:

PHY 475

Crosslisting:

PHY 579

Course Repeatability: Course may not be repeated.

PHY 480 - Coastal And Estuarine Systems

Course Description:

Introduction to the physical processes operating within coastal and estuarine systems. Focus on the dynamical description of topics such as gravity waves, surf zone hydrodynamics, storm surge, tides, estuarine hydraulics, sediment transport, and morphodynamics. Credit is not allowed for both PHY 480 and PHY 580 .

Credit Hours: 3 Prerequisite Courses:

PHY 475

Crosslisting:

PHY 580

Course Repeatability: Course may not be repeated.

PHY 490 - Special Topics in Physics

Course Description:

Selected topics in physics that are beyond the scope of regular course offerings. May be repeated once under a different subtitle.

Credit Hours: 1 To 3 Additional Restrictions/Requirements:

Junior or senior standing.

Course Repeatability: Course may be repeated.

PHY 491 - Directed Individual Study

Course Description:

Investigation of topics, under faculty supervision, beyond existing Physics and Physical Oceanography course listing.

Credit Hours: 1 Additional Restrictions/Requirements:

junior or senior standing, overall GPA of at least 2.00

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

PHY 493 - Physics Laboratory Teaching Practicum

Course Description:

Students work under the tutelage of a faculty member to develop skills needed to prepare, conduct and evaluate introductory laboratory assignments. Some instruction and evaluation in an ongoing physics laboratory is required; specific responsibilities are set by the supervisor in consultation with the student trainee.

Credit Hours: 1 Additional Restrictions/Requirements:

Consent of instructor.

Course Repeatability: Course may not be repeated.

PHY 495 - Physics Seminar

Course Description:

Provides instruction in communication skills related to presenting scientific

information such as writing papers, presenting talks, and creating posters in LaTeX for physics and physical oceanography. Students may work with individual faculty in the department leading to a presentation on their research topic.
Credit Hours: 3 Additional Restrictions/Requirements:
Consent of instructor.
University Studies: ["Building Competencies/Writing Intensive", "Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

PHY 497 - Capstone Seminar

Course Description:
This course serves as an opportunity to read and present both classic and more recent peer-reviewed journal articles in the fields of physics and physical oceanography. Articles will be chosen by the instructor and will vary each semester. Meetings will occur once a week during the semester and last for one hour.
Credit Hours: 1 Prerequisite Courses:
PHY 335
Additional Restrictions/Requirements:
Prerequisite course and consent of instructor.
Course Repeatability: Course may not be repeated.

PHY 498 - Internship in Physics

Course Description:
Practical experience and academic training in the student's principal area of interest. Joint supervision and evaluation by a physics faculty member and an on-site supervisor.
Credit Hours: 1 To 3 Additional Restrictions/Requirements:
Junior or senior standing, overall GPA of at least 2.50 and a GPA in PHY courses of at least 2.80. Students must be pre-approved by the faculty supervisor, department chair and dean.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 3 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

PHY 499 - Honors Work in Physics

Course Description:

Independent study for honors students.
Credit Hours: 2 To 3 Additional Restrictions/Requirements:
Senior standing, eligibility for honors program.
University Studies: ["Explorations Beyond the Classroom", "Building Competencies/Writing Intensive"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

Department of Psychology

http://www.uncw.edu/psy
Psychology is a liberal arts major that is a natural science, social science and health-care profession which seeks to stimulate intellectual curiosity, an appreciation for cultural diversity, an understanding of the scientific method, critical thinking, and effective communication skills through classroom, research, and practicum learning experiences. In addition to presenting a thorough grounding in the theories, methods and research findings of the discipline, the major in psychology provides students with technological and other skills applicable to the workplace and prepares students for graduate study.
A grade of "C" or better is required in PSY 105. No more than one course with a grade of "D" can count toward the requirements for a major in psychology (including the biology and mathematics course requirements). There also must be a "C" (2.00) or better average on all courses counted towards the major. Additional requirements include completion of a biology course selected from BIO 105, BIO 140+BIOL 140, BIO 201, BIO 202, or BIO 240+BIOL 240 and a mathematics course selected from MAT 101 or higher (excluding MAT 105, MAT 141, and 142), STT 210, or STT 215.

Psychology Minor

Psychology, B.A.

Psychology is a basic and applied science, health profession, and undergraduate liberal arts major. The UNCW Psychology Department supports an outstanding undergraduate program with a shared set program goals and student learning outcomes and a strongly commitment to involving students in the research process. Students work closely with our outstanding faculty as junior colleagues to investigate a wide variety of topics including basic brain processes, drug effects, memory-

improvement techniques, social cognitive factors underlying prejudice, ways to reduce school violence, and the evaluation of psychological treatments-to name but a few.
The department also actively involves students in service learning in a variety of ways. Undergraduate students have opportunities to apply the knowledge they have gained in the classroom in practicum experiences or community research projects. Psychology faculty and students are found in community settings which range from preschools to prisons. The graduates of our Bachelor of Arts program are prepared for further education in psychology and other professions and to take their place in the world of work. The study of psychology gives students the chance to use technology, learn to communicate, and be able to analyze ideas critically.

Neuroscience Minor

The interdisciplinary minor in Neuroscience provides students with the opportunity to develop an understanding of the fundamentals of this emerging field which brings together the study of brain behavior and cognition. The curriculum is designed to reflect the interdisciplinary nature of the science through coursework from several different departments and to allow students to master the fundamentals of the field using both traditional classroom and applied learning venues. Students should contact one of the Neuroscience Minor coordinators for more information.

Psychology and Applied Gerontology, Bachelor's/Master's Combined Program

Evolutionary Studies Minor

The interdisciplinary minor in Evolutionary Studies provides students with an understanding of the integrated study of evolution across disciplines. This minor will allow students to study the evolution of life from the perspective of different scientific disciplines, as well as to think about its significance in relation to human life and culture, including our philosophical, religious, historical, artistic and literary modes of reflection. This approach will stimulate students' abilities to recognize multiple viewpoints concerning evolution and to consider how and to what extent these

perspectives complement or compete with one another. A minimum of 18 hours is required to complete the minor.
This minor will be especially relevant for students who want to integrate natural sciences, behavioral sciences and humanities approaches in the study of evolution; for those aspiring to teach science courses in high school; and for those desiring to learn more about contemporary evolutionary theory cross disciplines. Students from a diversity of majors will demonstrate a foundational knowledge of the basic principles of evolutionary theory and apply them to more than one discipline.

PSY 105 - General Psychology

Course Description:
Principles of psychology with emphasis on scientific methods used in studying human behavior.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Understanding Human Institutions and Behaviors"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

PSY 106 - Psychology as a Science and Career

Course Description:
Introduction to the scientific method of inquiry and to the application of psychological knowledge and methods using human behavior as a focus.
Credit Hours: 2 Prerequisite Courses:
Prerequisite or corequisite: PSY 105 .
University Studies: ["Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 2

PSY 210 - Science and Pseudoscience

Course Description:
Examination of bases for scientific and pseudoscientific claims to knowledge. Considers criteria for description and explanation in science; uses these criteria to differentiate between areas that are scientific and those whose claims to be scientific are questionable. Evaluates areas such as parapsychology and astrology. Emphasizes use of critical thinking skills.
Credit Hours: 3 University Studies: ["Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

PSY 211 - Perception and Cognition

Course Description:

Survey of major phenomena, methods, and theories associated with the study of perception and cognition. Topics include sensory systems, perceptual processes, attention, memory, knowledge, decision-making, and problem solving.

Credit Hours: 3 Prerequisite Courses: PSY 105 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

PSY 217 - Learning and Behavior Change

Course Description:

Basic principles of conditioning, learning, and behavior change. Topics will include and introduction to classical and operant conditioning and the applications experimentally discovered principles to psychological interventions, as well as other fields such as education, business, and health.

Credit Hours: 3 Prerequisite Courses: PSY 105 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

PSY 220 - Child Psychology

Course Description:

Human psychological development through childhood and early adolescence. Normal development is emphasized.

Credit Hours: 3 Prerequisite Courses: PSY 105 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

PSY 221 - Adolescent Psychology

Course Description:

Human psychological development from late childhood through adolescence. Normal development is emphasized.

Credit Hours: 3 Prerequisite Courses: PSY 105 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

PSY 223 - Life Span Human Development

Course Description:

Variables and factors underlying human growth and development across the life span. Physical, cognitive, social, emotional, and sexual developments are emphasized.
Credit Hours: 3 Prerequisite Courses: PSY 105 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

PSY 225 - Introductory Statistics for the Behavioral Sciences

Course Description:
Introduction to the statistical techniques most often used by behavioral scientists for either descriptive purposes or hypothesis testing. Parametric techniques are emphasized, but nonparametric tests are included.
Credit Hours: 6 Prerequisite Courses:
PSY 105 and (MAT 101 or higher [excluding MAT 105 , MAT 141 , and MAT 142], STT 210 , or STT 215) and (BIO 105 , BIO 140 , BIO 201 , BIO 202 , or BIO 240 with corresponding lab)
Additional Restrictions/Requirements:
Class is restricted to students with Sophomore standing (or above).

University Studies: ["Critical Reasoning"] Course Repeatability: Course may not be repeated.
Major Restriction: Psychology

PSY 245 - Drugs and Behavior

Course Description:
Psychological aspects of drug use and abuse. Emphasis on the effects of major psychoactive drugs (including alcohol) on behavior, the psychological determinants of drug use, and treatment of drug abuse.
Credit Hours: 3 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

PSY 246 - Psychology of Personality

Course Description:
Overview of the theoretical models underlying the structure and organization of individual differences. Emphasis on empirical research evaluation the different theoretical models. Topics include the self-concept, awareness of motivation, perceived control, and the biological mechanisms influencing traits such as

extraversion.
Credit Hours: 3 Prerequisite Courses: PSY 105 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

PSY 247 - Abnormal Psychology

Course Description:
An introduction to the symptoms and sequelae of behavioral disorders and major theories of the science of psychopathology or abnormal psychology.
Credit Hours: 3 Prerequisite Courses: PSY 105 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

PSY 256 - Brain and Behavior

Course Description:
An introductory survey of the functional anatomy of the nervous system and the roles which various neural systems play in normal and abnormal behavior.
Credit Hours: 3 Prerequisite Courses:
PSY 105 and (BIO 105, BIO 140+BIOL 140, BIO 201, BIO 202, or BIO 240+BIOL 240)
Additional Restrictions/Requirements:
Prerequisite courses or consent of the instructor.
University Studies: ["Approaches and Perspectives/Scientific Approaches to the Natural World"]
Course Repeatability: Course may not be repeated.

PSY 257 - Evolutionary Psychology

Course Description:
Consideration of the evolution and adaptive significance of behavior in humans, including such topics as mate selection, parental care, cognition, language, altruism, aggression, warfare, and creativity.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

PSY 264 - Social Psychology

Course Description:
Individual human behavior as a function of the influence of other persons. Emphasis on the psychology of person perception, interpersonal communication and relationships, attitude formation and change, and small group behavior.

Credit Hours: 3 Prerequisite Courses: PSY 105 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

PSY 265 - Human Sexual Behavior

Course Description:

Psychological aspects of human sexuality with emphasis on psychosexual development and behavior. Includes discussion of causative factors and treatment of sexual disorders and deviations.

Credit Hours: 3 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

PSY 270 - Cross-Cultural Psychology

Course Description:

Psychological study of the impact of culture on behavior. Topics including cultural effects on perception, cognition, personality, emotions, development, and mental health will be examined. Emphasis on application of cultural frames of reference to living in a global society.

Credit Hours: 3 Prerequisite Courses: PSY 105 University Studies: ["Approaches and Perspectives/Living in a Global Society"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

PSY 271 - Psychology of Human Diversity

Course Description:

The contribution of psychology to the understanding of diversity in our society. Biopsychosocial aspects of diversity and methods of increasing understanding and inclusiveness will be emphasized. The psychological nature of stereotyping, discrimination, and prejudice will be examined.

Credit Hours: 3 Prerequisite Courses: PSY 105 University Studies: ["Approaches and Perspectives/Living in Our Diverse Nation"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

PSY 275 - Forensic Psychology

Course Description:

Investigation of psychological factors relevant to the legal system including: eyewitness identification and false memories, confessions, jury decision making, the

insanity defense and mental health law, expert psychological testimony in court, criminal profiling, risk management, treatment of the mentally ill in corrections.
Credit Hours: 3 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

PSY 291 - Introductory Research

Course Description:
Laboratory and computational research under faculty supervision beyond what is offered in existing courses.
Credit Hours: 1 To 3 Additional Restrictions/Requirements:
Freshmen, sophomore, junior or senior standing and consent of instructor and department chair.
University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 4

PSY 306 - Psychology of Race and Racism

Course Description:
Examination of the construction and development of race and racial bias in the United States from a psychological lens. Topics include the processes that underlie and motivate racial bias and how race and racism are maintained through social institutions and cultural ideologies. Scientifically-based means of addressing and reducing racism are considered.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in Our Diverse Nation"] Course Repeatability: Course may not be repeated.

PSY 316 - Applied Behavior Analysis for Behavior Technicians

Course Description:
Introduction to the methods and practice of applied behavior analysis as performed by registered behavior technicians (RBTs), typically with individuals diagnosed with learning and/or intellectual disabilities receiving services from certified behavior analysts. Topics include measurement, assessment, skill acquisition, behavior reduction, documentation and reporting, professional conduct and ethics, and score of practice.
Credit Hours: 3 Prerequisite Courses:
PSY 217

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

PSY 317 - Applied Behavior Analysis: Challenging Behavior

Course Description:

Extension of the principles of learning and behavior analysis to socially significant human issues, focusing on the assessment and treatment of behavior in need of reduction and related ethical considerations. Topics include preference and reinforcer assessment, functional assessments, and function-based interventions. Areas of application include education, developmental and intellectual disabilities, health, and caregiver training.

Credit Hours: 3 Prerequisite Courses:

PSY 217

Course Repeatability: Course may not be repeated.

PSY 318 - Applied Behavior Analysis: Skill Acquisition

Course Description:

Extension of the principles of learning and behavior analysis to socially significant human issues, focusing on the assessment and treatment of behavioral deficits. Topics include differential reinforcement, shaping, stimulus control, chaining, verbal behavior, habit reversal, and token economies. Areas of application include education, developmental and intellectual disabilities, and other diverse populations.

Credit Hours: 3 Prerequisite Courses:

PSY 217

Course Repeatability: Course may not be repeated.

PSY 319 - Ethical Issues in Applied Behavior Analysis

Course Description:

Ethics of behavioral assessment, treatment, and research. Topics include APA and BACB Ethical Principles, codes of conduct, responsibility to clients, confidentiality, assessing and treating behavior, supervision, public statements, and ethical responsibilities to colleagues and the profession of behavior analysis.

Credit Hours: 3 Prerequisite Courses:

PSY 317

Course Repeatability: Course may not be repeated.

PSY 320 - Psychology of Infancy and Early Childhood

Course Description:

An in-depth examination of development from conception through kindergarten age. Both normal and a typical development are considered from a biopsychosocial perspective. Methodological and theoretical issues are emphasized.

Credit Hours: 3 Prerequisite Courses: PSY 220 or PSY 223 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

PSY 322 - Developmental Psychopathology

Course Description:

The psychological disorders of childhood, including their description, etiology, assessment, and treatment. Emphasis on the theoretical and empirical bases of these disorders, focusing on relevant clinical research methods and treatment findings.

Credit Hours: 3 Prerequisite Courses: PSY 247 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

PSY 324 - Psychology of Aging

Course Description:

A study of the psychological aspects of human aging. Topics include the effects of normal and diseased aging on perceptual and cognitive functioning, personality and social relationships, and physical and emotional health.

Credit Hours: 3 Prerequisite Courses: PSY 220 or PSY 221 or PSY 223 Additional Restrictions/Requirements:

Prerequisite courses or consent of the instructor.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

PSY 325 - Introduction to Computational Modeling for the Social Scientist

Course Description:

Introduction to basic programming aimed at the social sciences. Designed for students with little or no programming experience. Topics include data analysis, computer modeling, computational neuroscience, political forecasting, and similar

computational approaches.
Credit Hours: 3 Prerequisite Courses:
PSY 225 or permission of instructor.
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

PSY 334 - Buddhism and Modern Psychology

Course Description:
Examination of parallels between naturalistic, non-religious, aspects of Buddhist theory and numerous aspects of modern psychology, including evolutionary psychology, neuroscience, cognitive psychology, learning theory, and moral psychology.
Credit Hours: 3 Prerequisite Courses:
PSY 105 .
Course Repeatability: Course may not be repeated. Additional Course Fees: ["None"]

PSY 336 - Industrial-Organizational Psychology

Course Description:
Psychological techniques in job analysis, personnel selection and placement, training, performance appraisal, employee motivation, employee health and satisfaction, organizational productivity and communication, group decision making, and leadership.
Credit Hours: 3 Prerequisite Courses: PSY 246 or PSY 264 Additional Restrictions/Requirements:
Prerequisite courses or consent of instructor.
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

PSY 347 - Positive Psychology

Course Description:
In depth examination of the scientific study of human strengths and virtues. Processes associated with well being among individuals, systems, and institutions are examined. Distinctions between models of well being are drawn and principles that promote and sustain happiness, fulfillment and optimal functioning are explored.
Prerequisite Courses:
PSY 247
Course Repeatability: Course may not be repeated.

PSY 352 - Health Psychology

Course Description:

Integrates psychological and biomedical knowledge relevant to physical health and illness. The interaction of psychological phenomena with the epidemiology, etiology, pathogenesis, treatment, and rehabilitation of physical disorders.

Credit Hours: 3 Prerequisite Courses: PSY 246 or PSY 264 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

PSY 355 - Introduction to Experimental Psychology

Course Description:

Basic principles of psychological research design and evaluation, including techniques of data collection and analysis, and conduct, interpretation, and reporting of various types of psychological research. Experimental research is emphasized.

Credit Hours: 6 Prerequisite Courses:

PSY 225

University Studies: ["Building Competencies/Writing Intensive", "Building Competencies/Information Literacy", "Critical Reasoning"] Course Repeatability: Course may not be repeated.

PSY 356 - Motivation and Emotion

Course Description:

Psychological theory and research in the areas of motivation and emotion. Basic as well as more complex motive states are examined as they arise from physiological needs and from learning and cognitive processes. Data from animal as well as human studies are considered.

Credit Hours: 3 Prerequisite Courses: PSY 256 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

PSY 365 - Psychology of Race and Racism

Course Description:

Examination of the construction and development of race and racial bias in the United States from a psychological lens. Topics include the processes that underlie and motivate racial bias and how race and racism are maintained through social

institutions and cultural ideologies. Scientifically-based means of addressing and reducing racism are considered.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in Our Diverse Nation"]
Course Repeatability: Course may not be repeated.

PSY 366 - Psychology of Close Relationships

Course Description:
Personality development within close relationships including recent theoretical and empirical findings on courtship, interpersonal attraction, marriage contract, and the various stages of the family life cycle. Communication, familial functioning and dysfunctioning are emphasized.
Credit Hours: 3 Prerequisite Courses: PSY 264 or PSY 246 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

PSY 370 - Environmental Psychology

Course Description:
Interactions between the physical environment and the behavior of the individual. Emphasis on perception of the environment, the behavioral effects of noxious factors in the environment, the psychology of environmental design, and the formation and change of attitudes about the environment.
Credit Hours: 3 Prerequisite Courses: PSY 105 and (PSY 246 or PSY 264 or EVS 195)
Crosslisting:
EVS 370 [Inactive]
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

PSY 375 - Criminal Minds

Course Description:
Examination of violent criminals and the social, personality-based, criminological, and biological explanations for violent offenders. Emphasis on efforts to identify and predict violent offenders, such as criminal profiling.
Credit Hours: 3 Prerequisite Courses:
PSY 105 or permission of instructor
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

PSY 405 - History and Systems Of Psychology

Course Description:

History of psychology relative to current trends.

Credit Hours: 3 Additional Restrictions/Requirements:

Fifteen semester hours credit in psychology.

University Studies: ["Building Competencies/Writing Intensive", "Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

PSY 410 - Advanced Cognitive Psychology

Course Description:

Advanced study of human cognition with an emphasis on theories and experimental methods. Laboratory work focuses on in-depth exploration of classic cognitive phenomenon, as well as experience in designing, conducting, and interpreting cognitive research.

Credit Hours: 6 Prerequisite Courses:

PSY 211 and PSY 355 .

University Studies: ["Building Competencies/Writing Intensive", "Building Competencies/Information Literacy", "Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated.

PSY 412 - Sensation and Perception

Course Description:

Advanced study of sensory and perceptual processes, techniques for measuring sensations and perceptions, and theories of perception. Direct exploration of the topic through experimentation as well as reading of primary sources. Demonstrations introduce students to interesting perceptual phenomena.

Credit Hours: 6 Prerequisite Courses:

PSY 211 and PSY 355 .

University Studies: ["Building Competencies/Writing Intensive", "Building Competencies/Information Literacy", "Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated.

PSY 416 - Adult Development and Life Transitions

Course Description:

A course in human development. An exploration of the major normative and nonnormative changes that take place during adulthood. Operating from a lifespan perspective, includes examination of how adults initiate, understand, cope with and resolve life transitions (e.g. parenting, loss, illness, career change, relationships, change.)

Credit Hours: 3 Prerequisite Courses: PSY 220 or PSY 221 or PSY 223 or PSY 320 or PSY 324 University Studies: ["Explorations Beyond the Classroom"] Crosslisting:

PSY 516

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

PSY 417 - Advanced Learning and Behavior Analysis

Course Description:

Advanced study of the empirical and conceptual principles of learning and behavior analysis and of the applications of these principles. Students help design and implement laboratory experiments, collect and analyze data, and communicate findings via oral presentations and laboratory reports. Students typically have hands-on laboratory experiences, including supervised, direct interactions with nonhumans.

Credit Hours: 6 Prerequisite Courses:

PSY 217 and PSY 355

University Studies: ["Building Competencies/Writing Intensive", "Building Competencies/Information Literacy", "Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated.

PSY 419 - Applied Behavior Analysis Practicum

Course Description:

Supervision of student practice in applied behavior analysis in a variety of clinical programs. Students participate in supervised experiences related to behavioral assessment and interventions for children diagnosed with learning and/or intellectual disabilities who display problematic behavior and/or experience deficits in feeding, social, or communication skills. Emphasis on practice of skills and regular consultation with the supervisor.

Credit Hours: 3 Prerequisite Courses:

PSY 217 , and PSY 317 or PSY 316

Additional Restrictions/Requirements:

Permission of instructor.
University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

PSY 423 - Advanced Developmental Psychology

Course Description:
Advanced study of human development, including developmental research methods and a consideration of topics in the general areas of physical, cognitive, and socioemotional development. The specific developmental period examined (e.g., childhood, adolescence, adulthood) will vary by semester.
Credit Hours: 6 Prerequisite Courses:
(PSY 220 or PSY 221 or PSY 223) and PSY 355 .
University Studies: ["Building Competencies/Writing Intensive", "Building Competencies/Information Literacy", "Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated.

PSY 425 - Psychometrics

Course Description:
Introduction to theories and research related to the practice of psychological test construction, including a survey of intelligence, achievement and personality tests, and laboratory experience demonstrating development and applications of these tests.
Credit Hours: 6 Prerequisite Courses:
(PSY 246 or PSY 264 or PSY 247) and PSY 355 .
University Studies: ["Building Competencies/Writing Intensive", "Building Competencies/Information Literacy", "Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated.

PSY 445 - Chemical Dependency

Course Description:
Theory, method and research in the study of substance abuse. Advanced consideration of the causes, consequences and treatments of the major addictive disorders.
Credit Hours: 3 Prerequisite Courses: PSY 245 and PSY 355 Crosslisting:
PSY 545

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

PSY 449 - Psychology of Death and Dying

Course Description:

Psychological aspects of death and dying. Conceptualizations of and behavior toward one's own demise. Emphasis on the behavioral context surrounding terminal illness, suicide, and homicide. Psychological aspects of gerontology also considered.

Credit Hours: 3 Prerequisite Courses: PSY 220 or PSY 221 or PSY 223 Additional Restrictions/Requirements:

Prerequisite courses or consent of instructor.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

PSY 450 - Theories of Counseling and Psychotherapy

Course Description:

Advanced discussion of the major historical and contemporary theories and empirically supported approaches to psychotherapy. Ethical and legal issues in psychotherapy are also emphasized.

Credit Hours: 3 Prerequisite Courses: PSY 247 and (PSY 246 or PSY 264) Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

PSY 451 - Supervised Counseling Practice

Course Description:

Supervision of student practice in application of counseling skills and techniques in a variety of in-service situations. Students participate in supervised counseling experiences in local social service agencies. Emphasis on practice of skills and regular consultation with the supervisor.

Credit Hours: 3 Prerequisite Courses:

PSY 246 or PSY 264 , PSY 247 , and PSY 450 .

Additional Restrictions/Requirements:

Prerequisite courses and consent of instructor.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6 Repeat Limit: 1 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:

Additional Course Fee Schedule

PSY 455 - Advanced Psychological Research

Course Description:

Experience in the design, conduct, and evaluation of psychological research. Advanced design and analysis techniques. Each student designs and conducts a research project and a laboratory exercise for PSY 355 . Offered on demand.

Credit Hours: 3 Prerequisite Courses: PSY 355 Additional Restrictions/Requirements:

Prerequisite course and consent of instructor.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

PSY 456 - Advanced Biological Psychology

Course Description:

Advanced anatomy of the nervous system and the roles that various neural structures play in the control of behavior.

Credit Hours: 3 Prerequisite Courses:

PSY 256 and (BIO 105 or BIO 201)

Additional Restrictions/Requirements:

Prerequisite courses or consent of instructor. Students may not take this course if they have received credit for PSY 459 .

Course Repeatability: Course may not be repeated.

PSY 457 - Animal Behavior

Course Description:

Animal behavior including the traditional areas of ethology and comparative psychology. Primary emphasis is upon the similarities and differences in the behaviors of animals occupying various phylogenetic positions.

Credit Hours: 3 Prerequisite Courses:

PSY 256 or PSY 257 or BIO 105 or BIO 202

Additional Restrictions/Requirements:

Prerequisite courses or consent of instructor.

Course Repeatability: Course may not be repeated.

PSY 459 - Advanced Brain and Behavior

Course Description:

Advanced study of the nervous system and the roles of the various neural structures in the control of behavior. As part of the course, students help design and implement laboratory experiments, collect and analyze data, and communicate findings via oral presentations and written reports.
Credit Hours: 6 Prerequisite Courses:
PSY 256 and PSY 355 .
Additional Restrictions/Requirements:
Students may not take this course if they have received credit for PSY 456 .
University Studies: ["Building Competencies/Writing Intensive", "Information Literacy", "Critical Reasoning"] Course Repeatability: Course may not be repeated.

PSY 464 - Advanced Social and Personality Psychology

Course Description:
Advanced study of the major concepts of social and personality psychology theory and research. Emphasis on the interaction of personality and situation in determining behavior and a social cognitive perspective in explaining social information processing.
Credit Hours: 6 Prerequisite Courses:
(PSY 246 or PSY 264) and PSY 355
University Studies: ["Building Competencies/Writing Intensive", "Building Competencies/Information Literacy", "Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated.

PSY 465 - Community Psychology

Course Description:
Contributions of psychology to the understanding of an individual's behavior as influenced by the community environment. Emphasis on problems associated with community mental health.
Credit Hours: 3 Prerequisite Courses: PSY 246 or PSY 264 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

PSY 491 - Directed Individual Study

Course Description:
Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the

Depending on their interests and abilities, UNCW students may choose from several kinds of special courses and programs to individualize and otherwise enrich their studies.

- This course, designated as 491 in each department, involves investigation beyond what is offered in existing courses. To enroll in a Directed Individual Study, students must be a junior or senior. Additionally, students must have an overall grade point average of at least 2.00 and the approval of (1) the faculty member who will direct the study, (2) the departmental chairperson, and (3) the appropriate dean. Departmental criteria will include (1) the availability of the instructor (instructors may only supervise a limited number of independent studies each semester), (2) the appropriateness of and need for the proposed study in the student's program, (3) the availability of library and other research resources, and (4) the feasibility of completion of the proposed study in the allotted time. Students are limited to nine credit hours of Directed Individual Study toward graduation requirements.

- Several departments within the College of Humanities, Social Sciences, and the Arts and the professional schools offer field experience courses as part of their semester or summer programs. Participating students conduct individual or group research under faculty guidance at selected areas within and outside the continental United States. Apart from the greater Wilmington area, field experience courses have been conducted in such places as the Florida Keys, Barbados, the Bahamas, Portugal, and parts of Central and South America.

- Raymond L. Burt, *coordinator*
The German Studies Consortium links participating UNC institutions to facilitate the sharing of teaching and learning resources to enhance German Studies across The University of North Carolina system. This consortium offers a broad array of German Studies courses in the language, literature, and culture of the German-speaking countries taught by specialists in the field. The primary focus is on the sharing of upper-level German classes offered each semester on the North Carolina Information Superhighway. Participant universities include Appalachian State University, East Carolina University, North Carolina State University, the University of North Carolina at Asheville, the University of North Carolina at Charlotte, the University of North Carolina at Greensboro, University of North

Carolina Wilmington, and Western Carolina University. For course details, visit the UNC Online Exchange.

- Regina Felix, *coordinator*
  The Portuguese Exhange links participating UNC institutions to facilitate the sharing of teaching and learning resources to enhance Portuguese language and Portugurese and Brazilian Studies across the University of North Carolina system. This exchange offers courses in the language, literature, and culture of the Portuguese-speaking countries taught by specialists in the field. Participant universities include Appalachian State University, North Carolina State University, the University of North Carolina Asheville, the University of North Carolina at Chapel Hill, the Unversity of North Carolina at Charlotte, the University of North Carolina Wilmington, and Winston Salem State University. For course details, visit the UNC Online Exchange.

- Dave Graber, *coordinator*
  The Russian Studies Consortium links participating UNC institutions to facilitate the sharing of teaching and learning resources to enhance Russian Studies across The University of North Carolina system. This consortium offers a broad array of Russian Studies courses in the language, literature, history, film, society, and culture in the Russian-speaking countries, which can be taught in the target language and/or in translation by specialists with credentials in Russian Studies. The primary goal focuses on the sharing of elementary, intermediate, and upper level Russian Studies classes offered each semester as well as summer session courses on the North Carolina Information Superhighway and/or fully online. Participant universities include Appalachian State University, East Carolina University, North Carolina State University, The University of North Carolina at Charlotte, The University of North Carolina at Greensboro, and The University of North Carolina Wilmington. Courses are offered through the UNC Online Exchange.

- Raymond L. Burt, UNCW *coordinator*
  The UNC Language Assembly is a cooperative of the language departments of all 17 campuses of the UNC System, and serves the UNC System and the State of

North Carolina by supporting the foreign language programs at the constituent institutions and by seeking to offer a wide diversity of foreign language choices to the students at all the UNC campuses. Students are not required to pay tuition at the other campus, since UNCW tuition applies to these courses as well. Courses are taught online or through videoconference technology. Students can directly enroll in language classes offered by campuses through the UNC Online Exchange.

- https://uncw.edu/myuncw/academics/graduate-school/forms

Graduate Courses Taken for Undergraduate Credit

Graduate courses at UNCW or other accredited institutions may be used to fulfill undergraduate requirements if approved by the course instructor, student's department chair, undergraduate dean, and the dean of the Graduate School. All other transfer credit policies apply. Permission forms may be obtained on the Graduate School forms page under the "Undergraduate Registration for Graduate Courses" section at https://uncw.edu/myuncw/academics/graduate-school/forms.

Graduate Course Taken as an Undergraduate to Later Apply to a Graduate Degree

Undergraduate students who wish to take graduate courses and later receive graduate credit for them must fill out a Docusign to obtain permission in advance from the course instructor, student's department chair and undergraduate dean, and the Graduate School for approval. Graduate courses taken under this provision may not be used to fulfill undergraduate degree requirements. Permission forms may be obtained on the Graduate School form page under the "Undergraduate Registration for Graduate Courses"
section https://uncw.edu/myuncw/academics/graduate-school/forms.

Credit for Approved Combined Degree Programs

Graduate courses used to fulfill an undergraduate degree requirement at UNCW may be applied to a graduate degree only when taken as part of an approved combined degree program. Courses applied toward an awarded degree may not be applied to a second degree except as described by specific degree programs.

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https://www.uncw.edu/global/
The Office of Global Partnerships and International Education is comprised of three units: Education Abroad, English Language Center, and the Office of International Students & Scholars.

Education Abroad

UNCW offers more than 800 education abroad opportunities in more than 50 countries. Options available include coursework taken abroad, international internships for academic credit, credit-bearing service-learning experiences, academic research, and virtual global learning opportunities. UNCW provides education abroad opportunities to suit nearly every major and credit earned through international programs may be applied towards a UNCW degree. Financial aid may be used in conjunction with education abroad programs and scholarships are available. Students may select from short-term and summer programs, as well as semester, year-long and two-year dual degree options.
All applications for any credit-bearing program abroad must be made through the Office of Global Partnerships and International Education.
UNCW students who study abroad retain their active UNCW student status and will not have to re-enroll upon return.
Eligibility requirements include:

- 18 years of age at the time of participation
- Good disciplinary standing
- 2.5+ cumulative grade point average
- Sophomore+ status (select programs are open to first-year students)
- Any program-specific requirements
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Several programs in the College of Humanities, Social Sciences, and the Arts, College of Science and Engineering, College of Education, College of Health and Human Services, and the Cameron School of Business offer students the opportunity to earn academic credit within a work environment external to the program. The purpose of the internship experience is to enhance, supplement, and integrate the learning that occurs in formal classroom settings. Permission of the dean and program offering the internship is required to enroll, and the program places limits on the number of credit hours earned applicable toward graduation. Internships designated by a 498 number will be graded on a Pass (P), Fail (F) basis. These credit hours earned will count towards the number of hours required to graduate, but the grade of Pass (P) will be excluded from the computation of the GPA. For further information on internships, refer to the courses numbered 498 in the course listings and then contact the departments offering them.

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The North Carolina Child Welfare Education Collaborative is a university-agency partnership that ensures a quality work force in child welfare settings. The educational goal of this program is to directly address the workforce need for social workers in child welfare settings. Administered by the Jordan Institute for Families, the collaborative includes North Carolina social work education programs, the NC Division of Social Services, the NC Association of County Directors of Social Services and the NC Chapter of the National Association of Social Workers. Educating, training, and supporting current and future social workers in child welfare meets the goal of strengthening families and protecting children. The collaborative offers focused educational courses, training and field experience in child welfare agencies. Participating universities include Appalachian State University, University of North Carolina at Chapel Hill, East Carolina University, North Carolina State University, Joint Masters of Social Work Program at University of North Carolina at Greensboro and North Carolina Agricultural and Technical State University, and University of North Carolina Wilmington.

- The Reverse Transfer Program is a collaborative effort between North Carolina's Community Colleges and the University of North Carolina's 16 constituent institutions. Students who transfer to UNC Wilmington from one of the 58 North Carolina community colleges are given the opportunity to combine the credits earned at UNCW with credit already earned at the community college to determine if the associate degree requirements have been met. Students have the opportunity to opt-in to this program at the time of admission as a transfer student. There is no cost to participate. For more information, contact the Office of the Registrar.
Eligibility: Students must have earned at least 16 college-level credit hours at one community college applicable towards their degree, to be eligible to participate. After earning a total of 60 combined credits, the student's UNCW records will be sent back to their previous community college for evaluation. The community college will contact students via their UNCW email, with further details, if the Associate degree is awarded.

- Several UNCW courses employ service-learning opportunities. Service learning is an innovative method of teaching and learning that combines thoughtfully organized service to the community with other means of instruction. Community service-projects are integrated into and enhance the academic curriculum of students, fitting naturally into the philosophy and pedagogy of a variety of disciplines and fostering civic responsibility. Both students and the community benefit from service learning. Service-learning courses have several strengths, not the least of which is that they are adaptable to the needs of the community while providing structured time for the students to reflect on the service experience.

section in this catalogue.

Credit Hours: 1 To 3 Additional Restrictions/Requirements:

Junior or senior standing, overall GPA of at least 2.00, and consent of instructor, department chair and dean.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 9 Repeat Limit: 2

PSY 495 - Topical Seminar

Course Description:

Discussion of selected topics in psychology. May be repeated for additional credit.
Credit Hours: 1 To 3 Prerequisite Courses: PSY 105 Additional Restrictions/Requirements:
Prerequisite course and consent of instructor.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

PSY 499 - Honors Work in Psychology

Course Description:
Independent work for honors students.
Credit Hours: 2 To 3 Additional Restrictions/Requirements:
Senior standing and eligibility for honors program.
University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

Pre-Engineering Joint Programs

Three-Plus-Two Computer Science and Electrical or Computer Engineering Program

The Three-Plus-Two Computer Science and Electrical or Computer Engineering Program is a cooperative agreement between the University of North Carolina Wilmington (UNCW) Computer Science Program and the North Carolina State University (NCSU) Electrical and Computer Engineering Department. The program gives students the opportunity to earn a Bachelor of Science degree in computer science from the University of North Carolina Wilmington and a Bachelor of Science degree in electrical or computer engineering from North Carolina State University. Students must complete all course work listed below to satisfy the Three-Plus-Two Program requirements. The UNCW phase of study can be completed in three years. Students meeting NCSU's transfer admission requirements (see below) are accepted to either the Electrical or Computer Engineering degree programs. The engineering portion of the program can be completed in two years with possible summer sessions. UNCW will accept credits from NCSU to complete degree requirements at UNCW and NCSU will accept credits from UNCW to complete degree requirements at NCSU. Thus, the student receives a degree from UNCW and a degree from NCSU. The Three-Plus-Two program must be started in the fall

of the freshman year if it is to be completed in 5 years.

To complete the Three-Plus-Two Program, a student must complete the following courses at UNCW:

- All UNCW university studies and graduation requirements.
- Computer Science General Core Course Requirements: CSC 131 , CSC 133 , CSC 231 , CSC 242 , CSC 331 , CSC 340 , CSC 342 , CSC 355 , CSC 360 , CSC 380 , CSC 385 , CSC 434 , CSC 450 .
- B.S.Computer Science Systems Options Requirements: CHM 101 , CHML 101 , MAT 161 , MAT 162 ; PHY 201 , PHY 202
- Computer Science Oral Requirement: CSC 385 , CSC 495 or any other approved oral communication intensive course (see list here).
- Computer Science Computer Requirement: CSC 131 .
- Computer Science Elective Credits: 9 hours (may be Engineering courses taken at NCSU and transferred back to UNCW).
- Additional courses prescribed by the Electrical and Computer Engineering Department at NCSU. Of these, the following are taught on-site at UNCW as distance education classes: ECE 200 and E 115.

A student must finish the UNCW phase of study with an overall GPA of at least 3.00, earn at least a 2.00 overall GPA in any NCSU courses taken via distance education, and have at least a 2.50 GPA in the last two calculus courses attempted to meet NCSU's transfer admission requirements. Students in this program will be advised jointly by an advisor in the Department of Computer Science and the director of the Engineering Program at UNCW to assure completion of the correct requirements for both programs.

Three-Plus-Two Physics and Electrical Engineering Program

The Three-Plus-Two Physics and Electrical Engineering Program is a cooperative agreement between the University of North Carolina Wilmington (UNCW) Physics Program and the North Carolina State University (NCSU) Electrical Engineering Program. The program gives students the opportunity to earn a Bachelor of Science degree in physics from the University of North Carolina Wilmington and a Bachelor of Science degree in electrical engineering from North Carolina State University. Students must complete all coursework listed below to satisfy the Three-Plus-Two Program requirements. The UNCW phase of study can be completed in three years. If the student meets the transfer admission requirements for NCSU listed below, the

student is accepted into the Electrical Engineering Program. This program can be completed in two years. UNCW will accept credits from NCSU to complete degree requirements at UNCW and NCSU will accept credits from UNCW to complete degree requirements at NCSU. Thus, the student receives a degree from UNCW and a degree from NCSU. The Three-Plus-Two program must be started in the fall of the freshman year if it is to be completed in 5 years.

To complete the Three-Plus-Two Program, a student must complete the following courses at UNCW:

- All UNCW university studies and graduation requirements.
- Physics Computer Requirement: PHY 400 .
- Physics Oral Requirement: PHY 495 .
- Physics Applied Learning Requirement: PHY 495 .
- Physics B.S. Degree Course Requirements: CHM 101 , CHML 101 , CHM 102 ; CHML 102 ; MAT 161 , MAT 162 , MAT 261 ; MAT 361 , PHY 201 , PHY 202 , PHY 311 , PHY 314 , PHY 321 , PHY 335 , PHY 336 , PHY 400 , PHY 411 , PHY 444 , PHY 455 , and PHY 495 .
- Additional courses prescribed by the Electrical Engineering Program at NCSU. Of these, the following are taught on-site at UNCW as distance education classes: ECE 109, ECE 200, E 115.

A student must finish the UNCW phase of study with an overall GPA of at least 3.00, earn at least a 2.00 GPA in any NCSU distance education courses taken, and have at least a 2.50 GPA in the last two calculus courses attempted to meet NCSU's transfer admission requirements. Students in this program will be advised jointly by an advisor in the Department of Physics and Physical Oceanography and the director of the Engineering Program at UNCW to assure completion of the correct requirements for both programs.

Two-Plus-Two Engineering Program

(http://www.uncw.edu/preeng/)

The Two-Plus-Two Engineering Program is offered jointly by the University of North Carolina Wilmington College of Science and Engineering and the North Carolina State University College of Engineering. It leads to a bachelor's degree from North Carolina State University in one of the engineering disciplines listed below. The purpose of the Two-Plus-Two Program is to offer students the opportunity to complete the first two years of an engineering degree program at UNCW and then transfer to NC State University in Raleigh, NC to complete their undergraduate engineering degree. Courses offered at UNCW in the first two years include courses in mathematics, physics, and chemistry, as well as several basic engineering

courses, which are delivered via distance education from NC State. At this time, registration for the distance education courses is completed through the Two-Plus-Two Program offices. An introductory engineering course, EGN 101 , is offered at UNCW. See "Engineering " in the Course Descriptions section of this catalogue for a description of this course. Contact the director for the most recent information on courses offered, curricula, and the Two-Plus-Two program.

Engineering degree programs offered by NC State University include:

Aerospace	Electrical
Biological	Environmental
Biomedical	Industrial
Chemical	Materials Science
Civil	Mechanical
Construction	Nuclear
Computer	Paper Science
Computer Science	Textile

–College of Science and Engineering

Watson College of Education

(http://www.uncw.edu/ed/)

Tracy Linderholm, Ph.D., *dean*

Symphony D. Oxendine, Ph.D., a*ssociate dean for graduate education, professional programs, research, and faculty affairs*

Heidi J. Higgins, Ph.D., *associate dean for teacher preparation, assessment, and accreditation*

The Donald R. Watson College of Education is a community of scholars dedicated to teaching, learning, creating, and extending knowledge through research. The faculty strives to model effective Instructional practices, provide a variety of understandings related to the field of education, encourage application of generalizations learned in practical experience, enhance collaborative efforts with public and private organizations and school systems, and contribute to the

knowledge base by engaging in theoretical and applied research. The mission is to develop knowledgeable and proficient education professionals dedicated to improving schools and society. We address this mission by:

- Providing academically rigorous programs;
- Producing and using meaningful scholarship;
- Partnering with schools, organizations and diverse communities;
- Advancing the profession.

The Watson College of Education offers programs of study leading to the Bachelor of Arts degrees in education of young children, elementary education, middle grades education, and special education, and programs leading to secondary (9-12) and special subjects (K-12) teacher licensure. Students who have baccalaureate degrees and want a teacher license have opportunities to complete Residency Licensure Programs or Certificates that lead to licensure. Add-on licensure in the area of Teaching English as a second language is available for undergraduate students who have earned a North Carolina initial license. In addition, graduate programs in gifted education, leadership, policy, and advocacy in early childhood; elementary education; middle grades education; language and literacy education; secondary education; curriculum/instruction supervision; school administration; higher education; and instructional technology are available. A doctoral program, Ed.D. in educational leadership, is also offered. Graduate certificate programs are available in online teaching and learning, and college teaching and learning.

The Watson College of Education also offers a Bachelor of Science in Workforce Learning and Development; a Master of Science in Instructional Technology; and a doctoral program, Ed.D. in educational leadership, with specializations in higher educations, curriculum and instruction, educational administrations, and community college leadership. Graduate certificate programs are available in online teaching and learning, college teaching and learning, community college leadership, esports performance management, evaluation and organizational learning, and mentoring and coaching.

Students wishing to pursue teacher preparation programs must be formally admitted to the Watson College of Education and to the Teacher Education Program. Students in all programs and licensure areas should consult their advisors and the Watson College website for admission procedures/guidelines specific to their program area and for a list of courses requiring Watson College admissions. A grade of "C-" or better is required in educations courses, as well as all courses in the interdisciplinary specialty and the professional semester. Students may repeat

courses in which they earn a grade lower than a "C-" only with the permission of the dean of the Watson College of Education.

For undergraduate teacher education programs, North Carolina state law requires all teacher candidates to meet identified criteria and be admitted to an approved teacher education program. Candidates must be admitted to the Watson College of Education prior to the start of the teacher internship semester. To be admitted to WCE students must apply to WCE and meet the following requirements:

- Minimum cumulative grade point average (GPA) of 2.70 for undergraduates.
- Passing scores on **Praxis Core** or exemption from the test with ACT or SAT score. *The WCE Student Success Center website provides information about the Praxis, exemption scores, and how to register to take the Praxis.*

In lieu of admissions deadlines throughout the academic year, the students will apply once they have met the admissions requirements. Programs may have additional admissions requirements. Students should contact the program for additional information regarding program level admissions requirements.

Teacher Preparation degree programs are designed to meet North Carolina State Board of Education guidelines for teacher licensure and includes courses in university studies, professional education and collateral areas, and a content specialization. All programs offered by the Watson College of Education are accredited by the appropriate state, regional, and national accrediting agencies. Students may obtain specific information on recommended course sequences leading to timely graduation by contacting the appropriate academic advisor, or by reviewing programs of study at www.uncw.edu/ed/advising.

Computer Requirement

Students in the Watson College of Education are expected to utilize appropriate technologies in their courses and practica. Therefore, students should anticipate that basic computer skills will be required and recognize that computer and information technologies are infused throughout courses in the various program areas. A grade of "C-" or better is required in EDN 303 - Instructional Technology for all teacher licensure students except those in secondary education who must complete with a grade of "C-" or better and those in music who take a technology course in their major.

Oral Communication Requirement

Oral and written communications is considered to be particularly important for entry into the educational professions. As a result, skills in oral and written communications are stressed in courses throughout the programs of study leading and are evaluated throughout the program of study. The culminating review and demonstration of oral language for teacher preparation programs is addressed in the following courses depending upon the student's licensure area: EDN 409 (allied programs), EDN 411 (elementary and middle grades), EDN 465 (education of young children program), SEC 431 (secondary education) or SED 411 (special education).

Note: Licensure requirements change and program requirements must be adjusted to accommodate new mandated competencies and guidelines. Students must meet the Teacher Education Program requirements in place at the time of their eligibility for admission to the Watson College of Education. Similarly, they must meet the licensure requirements in effect, including mastery of Essential and Advanced Technology standards, at the time their applications are submitted to the North Carolina Department of Public Instruction. Students are advised to check with their advisors to stay informed of programmatic changes.

Workforce Learning and Development, B.S.

The Bachelor of Science in Workforce Learning & Development is a flexible, accelerated online program designed for working individuals. If you are passionate about training and developing adult learners in the corporate sector, community college education, government agencies, or military, this major is perfect for you. Throughout this program, you will develop the knowledge and skills needed to design, develop, manage, deliver, and evaluate training programs to help your organization build a more skilled workforce. Graduates will be able to:

- Examine current and future trends and practices in workforce learning and development.
- Develop creative thinking, problem-solving, project management, communication, and leadership skills.
- Build and facilitate effective training programs and professional development initiatives.

Department of Early Childhood, Elementary, Middle, Literacy and Special Education

https://uncw.edu/ed/eemls/index.html

The Department of Early Childhood, Elementary, Middle, Literacy, and Special Education is dedicated to the preparation of teachers and educators who have the knowledge, skills, and dispositions to promote the development and learning of young children from birth to young adolescence. The department promotes reading, language development, and cognition with all students, grades K-12, and seeks to maximize the learning outcomes of children and youth with special needs.

Four majors are housed in the department and all lead to the Bachelor of Arts degree. The degree in Early Childhood Education prepares students to work effectively with children aged birth-kindergarten; elementary, grades K-6, and middle level, grades 6-9. The Special Education program, grades K-12, offers two licensure tracks at the undergraduate level, general curriculum and adapted curriculum. Licensure without degree is also offered in these areas.

The Master of Arts in Teaching (M.A.T.) in elementary and middle grades education leads to both initial teacher licensure and provides advanced preparation in content and pedagogy leading to a master's degree. The M.Ed. programs in leadership, policy and advocacy in early childhood, elementary education, middle grades education, and language and literacy education address the North Carolina Masters/Advanced Competencies requirements.

The department values the integration of current theory, research, and professional expertise from multiple disciplines and perspectives to inform practice and provides numerous field experiences to enable students to become competent and confident in their teaching and advocacy for the diverse children and families they serve.

Education of Young Children, B.A.

The Education of Young Children (EYC) program offers a Bachelor of Arts degree leading to Birth through Kindergarten (B-K) teacher licensure in North Carolina, as well as courses for individuals who wish to add Birth-Kindergarten or Preschool Add-on licensure to an existing degree or license.

Target Audience: The Education of Young Children program is designed for people who will assume leadership roles as teachers, consultants, and directors of early childhood education programs in public and private schools. Program Goals: The goal of the Education of Young Children program at UNCW is to assist in providing an appropriate education of young children (birth through kindergarten) through the preparation of teachers who are well educated and professionally competent.
Upon completion of the undergraduate Education of Young Children program (EYC), the student should be able to:

- Demonstrate understanding of the typical and atypical course of development, including the underlying processes and prominent characteristics, of children from birth through kindergarten.
- Delineate major philosophical, historical, and legal bases and characteristics of the field of early childhood education, including special education.
- Acquire knowledge and skill in creating and adapting learning environments which are developmentally appropriate (including methods for sensorimotor, cognitive, adaptive, language/communication, social, aesthetic, emotional and physical development) for young children with a wide range of learning and maturational needs.
- Demonstrate knowledge of the trends, issues, and research in early intervention and early childhood education.
- Demonstrate the ability to create environments and engage in interactions that are sensitive to diversity (e.g., cultural, linguistic, geographic, ethnic, and socioeconomic), as well as promoting an anti-bias perspective.
- Demonstrate sensitivity and respect for differences in families, view parents as partners in the education process, and establish collaborative relationships with them.
- Establish a pattern of reflective learning and inquiry leading towards confidence, professionalism, and effectiveness in the role of educator of young children.

Elementary Education, B.A.

The elementary program is primarily concerned with preparing initially licensed teachers for K-6 license in the state of North Carolina. The target audience is undergraduate students who wish to meet eligibility requirements for a K-6 elementary teaching license. The program of study includes a 4 semester sequence of courses in teaching methods and elementary content, and a series of increasingly comprehensive field experience. The culminating capstone is a semester long internship. For licensure it is required to take the required state exam(s) during the program.

Middle Grades Education, B.A.

The goal of the Middle Grades Education program at UNCW is to assist in providing an appropriate education for early adolescents in grades 6-9 through the preparation of teachers who are well educated and professional competent. Students in our program may select two areas of specialization (Language Arts, Mathematics, Science and Social Studies). In addition, they complete as many as 80+ hours of field experience in at least three middle schools before the practicum/internship semester.

Target audience: undergraduate students who would like to earn a North Carolina teaching license in the middle grades (6-9).
Program goals:

1. Teacher Candidates will demonstrate leadership by applying the major constructs (concepts, principles, theories, and standards) related to young adolescent development and developmentally responsive middle schools.
2. Teacher Candidates will establish a respectful educational environment for diverse learners by adapting instruction based on analysis of the individual needs (e.g., learning, social, emotional) of young adolescents and their community contexts.
3. Teacher candidates will demonstrate content knowledge by applying major content-specific constructs (concepts, principles, theories, language, and standards) during field experiences and internship.
4. Teacher Candidates will facilitate student learning through the learning cycle (planning, instruction, and assessment) by applying a variety of developmentally appropriate strategies and technologies to meet the learning needs of young adolescents.
5. Teacher Candidates will reflect on their practice by analyzing student learning to inform their instruction and professional development.

Special Education, B.A. with General Curriculum Licensure

The Watson College of Education offers a Bachelor of Arts Degree in Special Education (K-12) for students interested in teaching students with exceptionalities. Special Education majors select from two instructionally-oriented tracks: Adapted Curriculum or General Curriculum. Many of the courses in the university studies and

professional studies are similar; however, the specialty area courses for adapted and general curriculum are different. Students in the program also will have the opportunity to gain skills and knowledge in assistive technology, teaching academic skills to diverse learners, instructional design, classroom management, collaboration, and applied research.

The Special Education General Curriculum Licensure option prepares teachers to provide instruction and behavior supports to assist students with learning and behavioral disabilities(high-incidence disabilities) who are enrolled in the general education curriculum. Among the most common learning problems these students experience are learning disabilities, mild intellectual disabilities, and behavior problems. Training includes individual and small group instruction for students with disabilities who are achieving below grade level in basic skills, implementation of positive behavior supports for students with disabilities and collaboration with general education teachers. Successful completion of this program and licensure requirements will lead to a B.A. degree and licensure in General Special Education (K-12). In addition, Special Education majors who complete the four-year General Curriculum Program are also eligible for licensure in Elementary Education by passing the required licensure test for both Special Education and Elementary Education.

Special Education, B.A. with Adapted Curriculum Licensure

The Watson College of Education offers a Bachelor of Arts Degree in Special Education (K-12) for students interested in teaching students with exceptionalities. Special Education majors select from two instructionally-oriented tracks: Adapted Curriculum or General Curriculum. Many of the courses in the university studies and professional studies are similar; however, the specialty area courses for adapted and general curriculum are different. Students in the program also will have the opportunity to gain skills and knowledge in assistive technology, teaching academic skills to diverse learners, instructional design, classroom management, collaboration, and applied research.

The Special Education Adapted Curriculum option prepares teachers to provide instruction to assist students with moderate to severe disabilities who are not enrolled in the general education curriculum. Students supported have moderate to

severe physical and/or intellectual disabilities, including such diagnoses as: Down syndrome, moderate to severe autism, Fragile X syndrome, multiple disabilities, and medically fragile students. Training includes instructional practices to teach functional skills, as well as functional academics, in a small controlled setting (self-contained classroom). These classrooms provide highly individualized instruction for students whose needs cannot be met in the general education classroom and are typically comprised of students in the same categorical grouping. Assistive technologies and sign language are also taught in the program. Successful completion of this program and licensure requirements will lead to a B.A. degree and licensure in Adapted Special Education (K-12).

EDCR 201 - Pre-Clinical

Course Description:
This course introduces learners to the many facets of the public educational setting as they begin teaching. Students begin to establish supportive professional networks, identify useful resources, internalize teaching expectations, practice mindfulness, and explore technology tools for teaching. The course introduces the online delivery model used throughout the program.
Credit Hours: 1 Additional Restrictions/Requirements:
Restricted to non-degree seeking students.
Course Repeatability: Course may not be repeated.

EDCR 401 - Clinical Residency I

Course Description:
The first in a series of courses designed for Clinical Resident teachers who are currently serving in NC public schools (PK-12). This course is an introductory exploration of issues that are immediately necessary for the beginning teacher. It includes, but is not limited to, building relationships with students, classroom management, the instructional process, and serving diverse students. Teachers receive intense field support from both university and school system personnel.
Credit Hours: 3 Additional Restrictions/Requirements:
Restricted to non-degree seeking students.
Course Repeatability: Course may not be repeated.

EDCR 402 - Clinical Residency II

Course Description:

The second in a series of courses designed for Clinical Resident teachers who are currently serving in NC public schools (PK-12). This course includes a deeper investigation of topics explored in Clinical Residency I including, but not limited to, school improvement plans, building school-family-community connections, curriculum planning, content integration, differentiation of instruction, and assessment. Teachers receive intense field suppor from both university and school system personnel.

Credit Hours: 3 Prerequisite Courses:

EDCR 401

Additional Restrictions/Requirements:

Restricted to non-degree seeking students.

Course Repeatability: Course may not be repeated.

EDCR 406 - Clinical Residency III

Course Description:

This course addresses issues such as using data to promote student achievement, teacher reflection, and teacher leadership. Students will complete NC teacher licensure requirements (edTPA), and upon sucessful completion of these requirements, will be recommended for initial teacher licensure in NC.

Credit Hours: 3 Prerequisite Courses:

EDCR 402

Additional Restrictions/Requirements:

This course is restricted to non-degree seeking students in the clinical residency program.

Course Repeatability: Course may not be repeated.

EDCR 416 - Introduction to SLA for ESL Teachers

Course Description:

In this course, clinical residency ESL teachers will learn concepts related to second language acquisition, culturally responsive teaching and linguistics and how to apply them in the ESL classroom.

Additional Restrictions/Requirements:

This course is restricted to non-degree seeking students in the clinical residency program.
Course Repeatability: Course may not be repeated.

EDCR 417 - Teaching English as a Second Language: Methods 1

Course Description:
In this course, clinical residency ESL teachers will learn introductory concepts related to designing, implementing and assessing instruction for English language learners and how to apply them in the ESL classroom.
Credit Hours: 3 Additional Restrictions/Requirements:
This course is restricted to non-degree seeking students in the clinical residency program.
Course Repeatability: Course may not be repeated.

EDCR 418 - Teaching English as a Second Language: Methods 2

Course Description:
In this course, clinical residency ESL teachers will expand their knowledge of concepts related to designing, implementing and assessing instruction for English language learners and how to apply them in the ESL classroom.
Credit Hours: 3 Additional Restrictions/Requirements:
This course is restricted to non-degree seeking students in the clinical residency program.
Course Repeatability: Course may not be repeated.

EDCR 433 - Literacy Education in the Elementary Grades

Course Description:
This course is designed to provide opportunities for clinical residency teachers in North Carolina to formulate a professional philosophy of language and literacy development and learning, while developing a knowledge of classroom programs and practices and literacy learning engagements appropriate for all elementary children.
Credit Hours: 3 Additional Restrictions/Requirements:
Restricted to non-degree seeking students.

Course Repeatability: Course may not be repeated.

EDCR 434 - Teaching Mathematics in the Elementary Grades

Course Description:

Focus on the curriculum, materials, and methods appropriate for the teaching of mathematics for the kindergarten through sixth grade level.

Credit Hours: 3 Additional Restrictions/Requirements:

Restricted to non-degree seeking students.

Course Repeatability: Course may not be repeated.

EDCR 435 - Science and Social Studies Content Integration

Course Description:

Focuses on the curriculum, materials, and methods appropriate for the teaching of integrated science and social studies for the kindergarten through sixth grade level.

Credit Hours: 3 Additional Restrictions/Requirements:

Restricted to non-degree seeking students.

Course Repeatability: Course may not be repeated.

EDCR 443 - Middle Level Education and the Young Adolescent

Course Description:

This course will consider the educational implications of the characteristics of young adolescents on the teaching and learning experience; identify characteristics of middle level education; explore role of teachers in middle grade schools.

Credit Hours: 3 Additional Restrictions/Requirements:

Restricted to non-degree seeking students.

Course Repeatability: Course may not be repeated.

EDCR 444 - Differentiation and Assessment in the Middle Grades

Course Description:

This course addresses developmentally appropriate methods of instruction and assessment in middle grades classrooms. There are three major areas of ongoing focus: middle grades learner diversity, instructional methods and application including planning and standards, and formative assessment strategies.

Assessment techniques for young adolescent learners' understandings and needs will be incorporated.
Credit Hours: 3 Additional Restrictions/Requirements:
Restricted to non-degree seeking students.
Course Repeatability: Course may not be repeated.

EDCR 445 - Humanities Methods

Course Description:
This course addresses developmentally responsive teaching methods in middle grades social studies and language arts classrooms. It is designed for teachers in middle grades language arts and/or social studies. The conceptual foundation of the course is twofold: (a) interdisciplinary and thematic instruction, and (b) universal design for learning principles.
Credit Hours: 3 Additional Restrictions/Requirements:
Restricted to non-degree seeking students.
Course Repeatability: Course may not be repeated.

EDCR 446 - STEM Methods

Course Description:
This course addresses develpmentally responsive teaching methods in middle grades math and science classrooms. The conceptual foundation of the course is twofold: (a) interdisciplinary and thematic instruction, which has been identified as a best practice (Association for Middle Level Education) and (b) universal design for learning principles.
Credit Hours: 3 Additional Restrictions/Requirements:
Restricted to non-degree seeking students.
Course Repeatability: Course may not be repeated.

EDCR 451 - Supporting Adolescents in Secondary Schools

Course Description:
Focus on secondary education. Introduction to theories of learning, motivation, and assessment for adolescents. Knowledge and examination of current and innovative models for organizing learning for adolescents.
Credit Hours: 3 Prerequisite Courses:
EDCR 401 ; EDCR 402

Additional Restrictions/Requirements:

This course is restricted to non-degree seeking students in the clinical residency program.

Course Repeatability: Course may not be repeated.

EDCR 452 - Diverse Learners for Secondary Education

Course Description:

Teacher candidates will focus on teaching diverse learners in the high school classroom. Characteristics of students with disabilities, culturally and linguistically diverse individuals, and students at risk for school failure will be addressed. Includes instructional practices that support the learning of all students in general education classes.

Credit Hours: 3 Prerequisite Courses:

EDCR 401 ; EDCR 402

Additional Restrictions/Requirements:

This course is restricted to non-degree seeking students in the clinical residency program.

Course Repeatability: Course may not be repeated.

EDCR 453 - Methods and Materials for Secondary Educators

Course Description:

Students will plan, instruct, and assess utilizing best practices emphasis in theory, curriculum development, inquiry, classroom management and instructional strategies. Selection and design of materials and methods to meet students' cognitive, social and emotional learning needs. Planning and instruction for diverse student needs will be emphasized.

Credit Hours: 3 Prerequisite Courses:

EDCR 401 ; EDCR 402

Additional Restrictions/Requirements:

This course is restricted to non-degree seeking students in the clinical residency program.

Course Repeatability: Course may not be repeated.

EDN 105 - Education Living-Learning Seminar

Course Description:

This course is required of all Education Living-Learning Community (ELLC) participants during the spring semester of the freshman year. Students will orient to campus life as well as expand their knowledge of the education profession. Students will engage in collaborative learning, guest speakers, field experiences, readings of selected educational literature, and special events.
Credit Hours: 1 Additional Restrictions/Requirements:
Must be a resident of the Education Living-Learning Community housing.
Course Repeatability: Course may not be repeated.

EDN 204 - Introduction to Early Childhood Education

Course Description:
This introductory course is designed for students who are interested in early childhood education and early intervention as professional careers. It examines the theoretical bases for teaching and early intervention with young children birth through five and their families. Content includes an overview of the historical roots, current issues, program models, and goals of early childhood education as well as an introduction to professional standards and organizations. Particular emphasis is placed on environments and interactions that are responsive to children's developmental, individual, and cultural needs. Field experiences required.
Credit Hours: 3 Course Repeatability: Course may not be repeated. Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

EDN 230 - Tutoring Individuals and Small Groups

Course Description:
Analysis of current theory and practice application to small group and one-on-one tutoring with emphasis on adult learners. Introduction to tutoring as profession. Meets content requirements for Regular Tutoring Certificate through the College Reading and Learning Association.
Credit Hours: 2 Additional Restrictions/Requirements:
Employment as a tutor by a campus program or by consent of instructor.
Course Repeatability: Course may not be repeated.

EDN 240 - Foundational Literacy Skills Instruction

Course Description:

Emphasizes the assessment of and instruction in word recognition and other early and foundational literacyskills, especially those that develop oral language and connect speech to print.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

EDN 280 - Play and Creative Arts

Course Description:
Study of play behaviors and fine arts curriculum from birth to age five. Designed to prepare students to plan and deliver play-based and developmentally appropriate experiences that foster children's engagement in the cultural and performing arts (drama, dance, vocal and instrumental music, and visual art). Theory and practices for promoting play and developing creativity will be emphasized.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Aesthetic, Interpretive, and Literary Perspectives"] Course Repeatability: Course may not be repeated.

EDN 287 - Spanish for Educators

Course Description:
Emphasis on developing the ability to communicate, in Spanish, with students, parents, and others involved with the education of children.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

EDN 300 - Elementary School Programs and Practices

Course Description:
Focus on the purposes of the elementary school in today's society and the varied philosophical and theoretical stances used to design programs and select practices that will meet the needs of diverse learners. Ten hours of field experience required.
Credit Hours: 3 University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated. Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

EDN 302 - Child Observation and Assessment

Course Description:
Designed to develop a broad set of child and family observation skills and ability to

conduct and interpret variety of means of child assessment, both formal and informal. Methods of assessment will include systematic observations, use of screening instruments, interview techniques, rating scales, portfolios and anecdotal records. Includes knowledge of assessment with culturally diverse populations and children with special needs. Field experiences required.
Lab:
The lab for this course is EDNL 302 .
Credit Hours: 3 Corequisite Courses:
EDNL 302
Course Repeatability: Course may not be repeated.

EDN 317 - Seminar in International Education

Course Description:
This course will focus on country-specific culture and cross-cultural experiences in education. The major emphasis of this course will be on the presentation of educational practices unique to a particular country or region.
Credit Hours: 1 To 3 Additional Restrictions/Requirements:
Consent of instructor.
Course Repeatability: Course may not be repeated.

EDN 318 - Middle School Programs and Practices

Course Description:
Overview of the conceptual and historic development of programs for students in grades six through nine. Comparison of varied curricular, instructional, and organizational aspects of the middle school movement. Major emphasis on exploring the educational implications of the developmental characteristics of early adolescent learners. Varied approaches to teaming, classroom management and mainstreaming will be investigated. Work will include observations in a variety of settings.
Credit Hours: 3 University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated. Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

EDN 319 - Meeting Needs of Special Students In Elementary Schools

Course Description:

This course will focus on strategies for meeting needs of individuals in elementary school classrooms. Students will study alternative methods for dealing with pupil differences that have an impact on academic and social behaviors. Characteristics of children with academic, intellectual, social-emotional, physical, cultural and language differences will be examined. Field experiences required.

Credit Hours: 3 Course Repeatability: Course may not be repeated. Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link: Additional Course Fee Schedule

EDN 320 - Diverse Learners

Course Description:

This course addresses meeting the needs of diverse learners in middle level classrooms (6-9). It is divided into three modules examining different aspects of diversity: differentiating instructionto address students' learning styles and intelligences; understanding characteristics of and adapting instruction to meet the needs of special learners; and working with English language learners and their cultural contexts. Each module includes sections on assessing learner needs and adapting instruction to meet these needs. Field experiences required.

Credit Hours: 3 Course Repeatability: Course may not be repeated. Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link: Additional Course Fee Schedule

EDN 322 - Foundations of Number and Algebraic Reasoning (K-6)

Course Description:

Focus on the curriculum, materials, and methods appropriate for the teaching of number and algebraic reasoning for the kindergarten through sixth grade level. Field experience required.

Lab:

The lab for this course is EDNL 322 .

Credit Hours: 3 Prerequisite Courses:

EDN 301

Additional Restrictions/Requirements:

Prerequisite course and completion of 6 semester hours of appropriate mathematics or statistics at the 101 level or higher, with minimum grade of C-.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

EDN 323 - Teaching Mathematics in the Middle Grades (6-9)

Course Description:

This course examines the curriculum, materials, and methods appropriate for the teaching of mathematics at middle grade levels. There is an emphasis on problem-based instruction including the selection and implementation of high-level mathematics tasks and the teacher's facilitation of problem-solving, collaboration and discussion. Coursework includes field experience.

Credit Hours: 3 Corequisite Courses:

EDN 439 .

Prerequisite Courses:

EDN 301 and EDN 318 and EDN 320 and EDN 352 .

Additional Restrictions/Requirements:

Prerequisite courses and 6 hours of mathematics.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated. Additional Course Fees: ["Student Blanket Professional Liability Insurance"]

Additional Fees Link:

Additional Course Fee Schedule

EDN 324 - Diagnostic Teaching of Mathematics (6-9)

Course Description:

Understanding of psychological and environmental factors that affect learning of school mathematics. Focus on methods and materials appropriate to diagnosis and remediation of mathematics difficulties common at the six through nine level. Awareness of strategies effective for enhancing self-confidence in mathematics learning. A field-based activity is required.

Credit Hours: 3 Prerequisite Courses:

EDN 323

Course Repeatability: Course may not be repeated.

EDN 325 - Foundations of Geometry, Measurement and Data (K-6)

Course Description:

Focus on the curriculum, materials, and methods appropriate for the teaching of geometry, measurement and data for the kindergarten through sixth grade level. Field experience required.

Credit Hours: 3 Prerequisite Courses:

EDN 322

Course Repeatability: Course may not be repeated. Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

EDN 330 - Teaching Diverse Learners (K-6)

Course Description:

Examines a range of aspects of diversity, with a view toward understanding the impact of these forces on teaching and learning. Uses an interdisciplinary approach that draws from academic and community resources and experiences to immerse students in practice and research related to multicultural education and multiple dimensions of diversity.

Credit Hours: 3 Prerequisite Courses:

EDN 300 and EDN 301

Course Repeatability: Course may not be repeated. Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

EDN 334 - Social Studies Curriculum and Instruction (K-6)

Course Description:

An overview of the goals of social studies education and how this affects various patterns of organizing curricular content. The implications of learner developmental characteristics for selecting approaches to instruction from history as well as the social and behavioral sciences will be explored. Emphasis on selection and preparation of appropriate materials including the strategies of inquiry, critical thinking, mapping and graphing, simulation, and problem solution. Field experiences required.

Credit Hours: 3 Prerequisite Courses:

EDN 301

Additional Restrictions/Requirements:

Prerequisite course and 6 hours of social studies content.

University Studies: ["Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated. Additional Course Fees: ["Student Blanket Professional Liability Insurance"]

Additional Fees Link:

Additional Course Fee Schedule

EDN 335 - Social Studies Education in the Middle Grades

Course Description:

This course examines the curriculum, materials, and methods appropriate for teaching social studies at middle grade levels. There is an emphasis inquiry-based instruction including social inquiry in the real world, analysis of sources to build arguments, and teaching methods related to historical events and social studies phenomena. Coursework includes field experience.

Credit Hours: 3 Corequisite Courses:

EDN 439 .

Prerequisite Courses:

EDN 301 and EDN 318 and EDN 320 and EDN 352 .

Additional Restrictions/Requirements:

Prerequisite courses and 6 hours of social studies content.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated. Additional Course Fees: ["Student Blanket Professional Liability Insurance"]

Additional Fees Link:

Additional Course Fee Schedule

EDN 336 - The Teaching of Science (K-6)

Course Description:

Methods of teaching the biological, earth and physical sciences. Applications of the sciences to classroom experimentation and investigation. Examination of contemporary curricula used at the elementary school level. Field experiences required.

Credit Hours: 3 Prerequisite Courses:

EDN 301

Additional Restrictions/Requirements:

Prerequisite course and completion of two science courses, one of which must have

a laboratory component, with minimum grade of C-.
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

EDN 337 - Inquiry--The Method of Science

Course Description:
Assumes initial level competency in curriculum and methods of science. Focuses on conceptualization of and rationale for using inquiry method of teaching science. Provides opportunities to acquire and practice skills needed to utilize method and to guide scientific investigation at K-12 levels.
Credit Hours: 3 Additional Restrictions/Requirements:
A course in science methods or the completion of 15 hours toward a concentration or major in science or consent of instructor.
Course Repeatability: Course may not be repeated.

EDN 338 - The Teaching of Science (6-9)

Course Description:
This course includes a survey of curriculum and methods for teaching science in grades 6-9. There is an emphasis on scientific inquiry, topics that integrate learning across science disciplines, and the social implications of science and technology. Coursework includes field experience.
Credit Hours: 3 Corequisite Courses:
EDN 439 .
Prerequisite Courses:
EDN 301 and EDN 318 and EDN 320 and EDN 352 .
Additional Restrictions/Requirements:
Prerequisite courses and basic studies science courses.
University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated. Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

EDN 339 - Apprentice Field Experience

Course Description:
Designed to provide supervised extended experiences in public school classrooms

beyond those required as a part of any one methods course. Focus on reflections concerning observations and use of pedagogy with elementary age students. Emphasis on integration in order to promote theory into practice. Weekly field experiences in designated sections of corequisite courses required.
Credit Hours: 1 Corequisite Courses:
EDN 334 and EDN 336 and EDN 344 and EDN 348
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 3 Repeat Limit: 3

EDN 342 - Global Education Issues

Course Description:
This course is designed to provide a critical examination of global events and issues using the lens of the theory of global citizenship.
Credit Hours: 3 Additional Restrictions/Requirements:
Admission to Watson School of Education.
Course Repeatability: Course may not be repeated.

EDN 344 - Literature in the Elementary School (K-6)

Course Description:
The selection, evaluation, and integration of children's literature including books and other media for the elementary school curriculum.
Credit Hours: 3 Prerequisite Courses:
EDN 301
Course Repeatability: Course may not be repeated.

EDN 350 - Comparative Education

Course Description:
This course will examine and compare major differences in the approach to education in the K-12 setting in selected countries/regions. Differences in theoretical approaches as well as application of pedagogies will be studied.
Credit Hours: 3 Additional Restrictions/Requirements:
Admission to Watson School of Education and consent of instructor.
Course Repeatability: Course may not be repeated.

EDN 352 - Developing Reading and Writing Competence in the Middle Grades

Course Description:

Develops understanding of reading and writing processes in the broad context of communication. Presents strategies for fostering and evaluating interest, fluency, and skill in reading and writing, both in developmental literary classes and in middle level, content subjects. Topics include organizational and instructional strategies for the development of reading and writing ability, techniques for motivating and guiding readers and writers, and strategies for study and comprehension, which support learning in all areas of the middle school curriculum. Field experiences required.

Credit Hours: 3 Additional Restrictions/Requirements:

Admission to the Watson School of Education.

University Studies: ["Building Competencies/Writing Intensive", "Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated. Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:

Additional Course Fee Schedule

EDN 355 - Language Arts Methods for the Middle Grades

Course Description:

Informed by current theory and research, this course examines developmentally appropriate curriculum, materials, assessments, and methods for the teaching of language arts at middle grades levels. The application of contemporary media and computer technology for the middle grades is incorporated. Coursework includes field experience.

Credit Hours: 3 Corequisite Courses:

EDN 439 .

Prerequisite Courses:

EDN 301 and EDN 318 and EDN 320 and EDN 352 .

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated. Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:

Additional Course Fee Schedule

EDN 382 - Literacy Development in the Early Years

Course Description:

Designed to inform students of the theory and research that has influenced the development of principles and strategies for promoting emergent literacy. Developmentally appropriate literacy activities will be explored along with ways to use individualized assessment to gauge children's current abilities and to use and build upon what children bring to oral language, reading, and writing. The roles of supportive adults, print-rich environments and principles of multicultural learning will be investigated. Field experiences required.

Credit Hours: 3 Prerequisite Courses:

EDN 204 .

Additional Restrictions/Requirements:

Prerequisite course and admission to Watson College of Education.

Course Repeatability: Course may not be repeated.

EDN 383 - Mathematics and Science for the Early Years

Course Description:

Designed to acquaint B-K teachers with the curriculum, materials and methods used to teach basic concepts in mathematics and science to young children. Emphasis will be given to developmentally appropriate materials and experiences to promote power of observation and to encourage emergent conceptual abilities and cognitive processing skills. Field experiences required.

Credit Hours: 3 Prerequisite Courses:

EDN 204 .

Additional Restrictions/Requirements:

Prerequisite course and admission to Watson College of Education.

Course Repeatability: Course may not be repeated.

EDN 384 - Creating Preschool Environments

Course Description:

Prepares individuals who do not currently hold a clear Birth-Kindergarten license, and are currently teaching at the preschool level, to create developmentally appropriate preschool environments and adapt their skills for the preschool classroom. Emphasis is placed on creating or adapting interpersonal and physical environments to facilitate development in all domains and meet individual needs. Strategies for developing collaborative relationships with families will also be explored. Activities include lectures, discussion, demonstrations, individual and

group presentations, and laboratory assignments completed in the teacher's own classroom.
Credit Hours: 3 Additional Restrictions/Requirements:
Consent of instructor.
Course Repeatability: Course may not be repeated.

EDN 388 - Field Experience in Kindergarten

Course Description:
Corequisite: EDN 382 or EDN 430 . This course is designed to provide students with opportunities for application of concepts through forty hours of field work with kindergarten age children. Students will become acquainted with a variety of instructional strategies, materials, methods of instruction, and technology currently used in kindergarten programs.
Credit Hours: 1 Course Repeatability: Course may not be repeated.

EDN 410 - Seminar in Education

Course Description:
Designed as a culmination of professional study and an initiation into student teaching and the teaching profession. Provides opportunities to extend and apply understandings of the roles of the teacher as a decision-maker, particularly in the areas of planning, instruction, management, and evaluation.
Credit Hours: 3 Corequisite Courses:
EDN 411
Additional Restrictions/Requirements:
Corequisite course, all courses in the professional core and professional education areas appropriate for the concentration for 6-9 and special education majors, and a 2.70 GPA on all work attempted at UNCW.
Course Repeatability: Course may not be repeated.

EDN 411 - Student Teaching (K-6; 6-9)

Course Description:
A full-time practicum experience within the area of specialization. Students will engage in a variety of supervised instructional activities, assuming an increasing amount of responsibility for all phases of classroom instruction. Practicum are offered in the areas of elementary education (K-6), middle grades education (6-9),

and special education.
Credit Hours: 12 Corequisite Courses:
For elementary education majors, EDN 413 and EDN 419 .
Additional Restrictions/Requirements:
All courses in the professional core and specialty areas appropriate for the concentration for K-6, 6-9 majors and a 2.70 GPA on all work attempted at UNCW.
University Studies: ["Explorations Beyond the Classroom", "Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated. Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

EDN 412 - Extended Practicum

Course Description:
A part-time practicum experience within the appropriate area of licensure. Students will engage in supervised instructional activities that extend their understandings and teaching performance to an additional area of preparation. Areas of specialization include education of young children, elementary, middle grades, special education, and secondary education.
Credit Hours: 3 To 6 Additional Restrictions/Requirements:
Appropriate curriculum and instruction courses and consent of the appropriate department chairperson.
Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

EDN 413 - Classroom Management Seminar (K-6)

Course Description:
This course is designed to assist student interns in establishing and maintaining a positive elementary classroom climate for diverse learners. It will provide a forum for discussion for interns by involving current classroom teachers and making use of field placements experiences. A survey of K-6 management techniques grounded in current teaching practice will be shared.
Credit Hours: 1 Corequisite Courses:
EDN 411 and EDN 419
Course Repeatability: Course may not be repeated.

EDN 414 - Integrating the Arts in the Elementary Curriculum

Course Description:

Designed to provide experiences with visual art, music, drama, and dance that will prepare students to plan and deliver appropriate experiences for elementary students. Attention will be given to understanding the arts in culture, the needs of young children in the arts, the creative process, the skills and concepts of the arts, and connections to other disciplines. Emphasis will be on integrating arts instruction in other areas of the curriculum. Field experience required.

Credit Hours: 3 Course Repeatability: Course may not be repeated. Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link: Additional Course Fee Schedule

EDN 419 - Seminar in Education (K-6)

Course Description:

Designed as a culmination of professional study and an initiation into student teaching and the teaching profession. Provides opportunities to extend and apply understandings of the roles of the teacher as a decision-maker, particularly in the areas of planning, instruction, management, and evaluation.

Credit Hours: 1 Corequisite Courses:

EDN 411

Additional Restrictions/Requirements:

Corerequisite course, all courses in the professional core and professional education areas appropriate for the concentration for K-6, and a 2.7 GPA on all work attempted at UNCW.

Course Repeatability: Course may not be repeated.

EDN 424 - Child Guidance

Course Description:

This course is designed to introduce students to theories, principles and techniques for developmentally appropriate guidance of young children birth through five years. Emphasis is placed on guidance techniques, strategies and appropriate interventions that teachers can use to facilitate young children's autonomy and self-discipline while promoting development of self-concept and prosocial behaviors. The effect of the environment and adult-child interaction on guidance will be examined.

Class activities include lectures, small and large group discussions, cooperative learning activities, video illustrations, case analyses, problem solving exercises, and field experience reflections. Field experiences required.

Credit Hours: 3 Prerequisite Courses:

EDN 204 or EDN 203

Course Repeatability: Course may not be repeated. Additional Fees Link:
Additional Course Fee Schedule

EDN 426 - Island Ecology for Educators

Course Description:

Through interaction with resources and experts students will develop readily accessible, web-based materials through engagement in field based exploration of plants and animals of coastal ecosystems and environmental issues. This course focuses on both science content and pedagogical resource development.

Credit Hours: 3 Crosslisting:

EVS 426

Course Repeatability: Course may not be repeated.

EDN 430 - Preschool Curriculum

Course Description:

Provides students the understandings, skills, and abilities necessary to implement an effective preschool program. Emphasis placed on knowledge of the curriculum content and the effective combinations and correlations of these contents for a preschool program. Activities include lectures, discussions, demonstration, individual, and group projects. Field experiences required.

Credit Hours: 3 Prerequisite Courses:

EDN 204 or EDN 203 .

Additional Restrictions/Requirements:

Prerequisite courses and admission to Watson College of Education.

Course Repeatability: Course may not be repeated.

EDN 431 - Teaching in the Primary Grades

Course Description:

Designed to develop a broad overall view of teaching in the primary grades. The course includes examination of the history, current "state of the art" and possible

future of primary education. Focus is on the application of knowledge of child development and learning theories in organizing and implementing the primary school curriculum in an integrated and interdisciplinary fashion. Study of classroom organization and management for effective teaching in the primary grades will be undertaken.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

EDN 432 - Interdisciplinary Curriculum and Instruction

Course Description:
Examines principles of interdisciplinary curriculum and instruction and explores its appropriateness for middle grades and intermediate students. Alternative approaches to designing interdisciplinary curriculum and instruction such as thematic units and exploratory and interest-based study will be examined. Emphasizes the possible linkages among the disciplines, focusing on thinking and communication skills, concepts and problem solving learning, as well as value clarification/resolution.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

EDN 434 - Students Exposed to Trauma and Adversity

Course Description:
This course examines the effects childhood trauma and adversity have on cognitive and social development and provides strategies and best practices to promote academic achievement. It explores a variety of adverse childhood experiences (ACEs) and promotes resilience-building techniques to minimize the effects of trauma. Trauma-informed approaches and self-care are essential components of the course.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

EDN 439 - Field Studies in the Middle Grades (6-9)

Course Description:
Students will learn about and apply ideas about thematic instruction, teamwork, assessment, classroom management, legal and ethical issues, and parent/family/community involvement in middle level education. This course provides opportunities to extend understandings of the middle grades teacher as a

professional in those areas. The course includes extensive field experiences.
Credit Hours: 3 Corequisite Courses:
Corequisite with at least one of the following: EDN 323 , EDN 335 , EDN 338 , EDN 355 .
Additional Restrictions/Requirements:
Open only to Middle Grades Education majors.
Course Repeatability: Course may not be repeated. Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

EDN 450 - Infant and Toddler Program Models

Course Description:
Designed to inform students of the goals, philosophies and program characteristics of exemplary programs in very early childhood education (birth to age three). Developmentally appropriate settings and activities for infants and toddlers will be studied, and ways of working with parents will be explored. Optimal caregiving strategies and skills needed for providing a quality program for infants and toddlers will be emphasized. Field experiences required.
Credit Hours: 3 Prerequisite Courses:
EDN 204 or EDN 203 .
Additional Restrictions/Requirements:
Prerequisite courses and admission to Watson College of Education.
Course Repeatability: Course may not be repeated.

EDN 451 - Adaptive Practices in Early Childhood

Course Description:
Designed to develop both planning and intervention skills for working with young children with special needs and their families. Students will plan educational programs, which include use of specific intervention techniques and practices from recognized early intervention programs for children showing a typical development. Attention will be given to adopting strategies to include exceptional children in programs for typically developing young children. Field experiences required.
Credit Hours: 3 Corequisite Courses:
EDNL 451 .
Prerequisite Courses:
EDN 204 or EDN 203 or SED 250 .

Additional Restrictions/Requirements:

Corequisite course, prerequisite courses and admission to Watson College of Education.

University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

EDN 452 - Early Intervention

Course Description:

This course is designed to inform students of the goals, philosophies, and program characteristics of exemplary programs in early childhood education for children with disabilities (birth to age three). Developmentally appropriate settings and activities for infants and toddlers with disabilities will be explored.

Credit Hours: 3 Prerequisite Courses:

EDN 204 and SED 250 .

Additional Restrictions/Requirements:

Prerequisite courses and admission to Watson College of Education.

Course Repeatability: Course may not be repeated.

EDN 455 - International Education Field Experience

Course Description:

This course is designed to provide experiences in a selected educational setting as part of a study abroad program.

Credit Hours: 1 To 6 Additional Restrictions/Requirements:

Admission to Watson School of Education and consent of instructor.

Course Repeatability: Course may not be repeated.

EDN 460 - Administration of Preschool Programs

Course Description:

The administration of early childhood education programs will be studied, including planning, scheduling, enrollment, licensure and evaluation of programs operating in various settings. Relevant federal and state legislation, policies and regulations will be examined. Public policy questions in the United States and the implications of policy decisions for program administration will be examined. Possibilities for integrating child and parent education will also be explored. Field experiences required.

Credit Hours: 3 Prerequisite Courses:

EDN 204 .

Additional Restrictions/Requirements:

Prerequisite course and admission to Watson College of Education.

Course Repeatability: Course may not be repeated.

EDN 463 - Child, Family, and Teacher Relations

Course Description:

This course is designed to enable students to develop their knowledge of the elements of partnership with families in early childhood settings. The course develops an understanding of traditional and non-traditional families, structural and lifestyle variations and parenting in diverse cultures and at-risk families. Approaches for establishing and sustaining collaboration among professionals, parents, caregivers and community agencies on behalf of children with and without special needs will be explored. Field experiences required.

Credit Hours: 3 Prerequisite Courses:

EDN 204 .

Additional Restrictions/Requirements:

Prerequisite course and admission to the Watson College of Education.

Course Repeatability: Course may not be repeated.

EDN 465 - Student Teaching in Early Childhood Education (B-K)

Course Description:

A full-time practicum experience with young children and their families in an approved early childhood setting. Students will engage in a variety of supervised activities assuming an increasing amount of responsibility for all phases of an educational program for young children and their families. Emphasis is on the teacher intern as a decision maker and reflective practitioner.

Credit Hours: 10 Additional Restrictions/Requirements:

Admission to Watson College of Education and completion of all specialty area coursework. A 2.70 GPA on all work at UNCW is required.

University Studies: ["Explorations Beyond the Classroom", "Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated. Additional Course Fees: ["Additional Fee - General Professional Internship Liability Insurance"] Additional Fees Link: Additional Course Fee Schedule

EDN 466 - Student Teaching for Early Childhood Practitioners

Course Description:
Assists practicing Pre-K teachers without current B-K licensure to develop and refine the skills necessary to apply successful instructional practices in an early childhood classroom setting. Discussion will include shifting paradigms in teaching/learning and how they relate to current trends in early childhood education. Emphasis will be placed on understanding the role of developmentally and individually appropriate practices with preschool children.
Credit Hours: 3 Additional Restrictions/Requirements:
Admission to Watson School of Education and consent of instructor.
University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated. Additional Course Fees: ["Student Blanket Professional Liability Insurance"]
Additional Fees Link:
Additional Course Fee Schedule

EDN 467 - Non-Licensure Practicum

Course Description:
Must receive program approval to enroll. A supervised practicum experience working with children and/or their families in a school or community setting. Designed for students who are completing a degree in education without earning licensure, this practicum promotes integration of the knowledge, skills, and dispositions required to be an effective educator. The practicum placement is selected to be consistent with the student's career goals. Placement and field hours must be approved by the instructor. This course does not fulfill the requirements for North Carolina teacher licensure.

Credit Hours: 6 to 12 Additional Restrictions/Requirements:
Admission to Watson College of Education and consent of instructor. Must receive full program approval to enroll. Not guaranteed. Does not result in licensure (licensure test requirement waived for elementary majors).

University Studies: ["Explorations Beyond the Classroom", "Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated. Additional Fees Link:
Additional Course Fee Schedule

EDN 468 - International Practicum in Education

Course Description:

A full-time practicum experience within the area of specialization. Students will engage in a variety of supervised instructional activities, assuming an increasing amount of responsibility for all phases of classroom instruction.

Credit Hours: 6 to 12 Additional Restrictions/Requirements:

Admission to Watson School of Education and consent of instructor.

Course Repeatability: Course may not be repeated.

EDN 491 - Directed Individual Study

Course Description:

Please enter a description.

Credit Hours: 1 To 3 Additional Restrictions/Requirements:

Junior or senior standing, overall GPA of at least 2.00 and consent of department chair.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

EDN 495 - Selected Topics in Education

Course Description:

Selected topics in education of varying duration and credit.

Credit Hours: 1 To 3 Additional Restrictions/Requirements:

Junior or senior standing.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

EDNL 302 - Field Experience in Early Childhood Education

Course Description:

Provides students with opportunities for application of concepts through forty-five hours of fieldwork with young children and their families in a variety of community settings including public schools, preschools, childcare centers, and private homes under the supervision of licensed service providers.

Lab:

This course is the lab for EDN 302 and requires 30 hours of field experience.

Credit Hours: 3 Corequisite Courses:

EDN 302

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated.

EDNL 322 - Math Laboratory

Course Description:

This course is designed to provide students with supervised tutorial experiences with school-aged children. Focus on observation of students, development of math lesson plans, math instruction for individual students, evaluation of student performance, interacting with parents, and reflecting on instructional performance.

Lab:

This course is the lab for EDN 322 .

Credit Hours: 0.5 Corequisite Courses:

EDN 322

Course Repeatability: Course may not be repeated. Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

EDNL 331 - Apprentice Field Experience I

Course Description:

Designed to provide supervised extended experiences in public elementary school classrooms. Students will complete field experience requirements of enrolled methods courses and will assist with small group instruction and general classroom responsibilities. Field placement will require 4 hours, one day per week for entire semester.

Credit Hours: 1 Course Repeatability: Course may not be repeated. Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

EDNL 332 - Apprentice Field Experience II

Course Description:

Designed to provide supervised extended experiences in public elementary school classrooms. Students will complete field experience requirements of methods courses and will plan and teach whole group lessons. Field placement will require one full day per week for entire semester.

Credit Hours: 1 Prerequisite Courses:

EDNL 331

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated. Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:

Additional Course Fee Schedule

EDNL 333 - Apprentice Field Experience III

Course Description:

Designed to provide supervised extended experiences in public elementary school classrooms. Students will complete field experience requirements of methods courses and will plan and teach multiple lessons. Field placement will require students to teach for two intensive weeks in school.

Credit Hours: 1 Prerequisite Courses:

EDNL 331

University Studies: ["Explorations Beyond the Classroom", "Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated. Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:

Additional Course Fee Schedule

EDNL 340 - Reading Laboratory

Course Description:

This course is designed to provide students with supervised tutorial experiences with school-aged children. Focus on observation of students, development of literacy lesson plans, literacy instruction for individual students, evaluation of student performance, interacting with parents, and reflecting on instructional performance.

Credit Hours: 0.5 Corequisite Courses:

EDN 340

Course Repeatability: Course may not be repeated. Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:

Additional Course Fee Schedule

EDNL 430 - Field Experience in Kindergarten

Course Description:

Provides students with opportunities for application of concepts through forty-five hours of fieldwork with kindergarten-aged children. Students will be acquainted with a variety of instructional strategies, materials, methods of instruction and technology

currently used in kindergarten programs.
Credit Hours: 3 Corequisite Courses:
EDN 430 .
Prerequisite Courses:
EDN 204 .
University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated.

EDNL 451 - Field Experience in Special Education

Course Description:
Provides students with opportunities for application of concepts through thirty hours of fieldwork with young children and their families in a variety of community settings including public schools, preschools, and childcare facilities under the supervision of licensed service providers.
Lab:
This course is the lab for EDN 451 and requires 30 hours of field experience.
Credit Hours: 2 Corequisite Courses:
EDN 451 .
Prerequisite Courses:
EDN 204 or EDN 203 .
Additional Restrictions/Requirements:
Corequisite course, prerequisite course and admission to Watson College of Education and consent of instructor.
University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated. Additional Course Fees: ["Student Blanket Professional Liability Insurance"]
Additional Fees Link:
Additional Course Fee Schedule

SED 220 - Understanding Disability in Society

Course Description:
This course provides an introductory exploration of the key concepts, theories, and frameworks that shape our understanding of disability and influence societal perceptions of accessibility. Through critical engagement with disability studies literature and research, students will evaluate diverse perspectives on disability-related issues and examine historical events, movements, and cultural narratives that have shaped societal attitudes and policies regarding disability in the United

States. Students will also analyze the impact of media representations, societal attitudes, and cultural norms on the lived experiences of individuals with disabilities and assess how these factors contribute to systemic inequities. Through in class discussions and written assignments, students will apply insights gained from this course to propose strategies to address social issues and challenge prevailing assumptions about disability and propose ideas to create a more inclusive and equitable society.

Credit Hours: 3 Additional Restrictions/Requirements:

None

University Studies: ["Approaches and Perspectives/Understanding Human Institutions and Behaviors", "Approaches and Perspectives/Living in Our Diverse Nation", "Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated.

SED 250 - Introduction to Special Education

Course Description:

Survey of major categories of exceptionality including intellectual disabilities, learning disabilities, behavioral and emotional disorders, attention deficits and hyperactivity, communication disorders, sensory impairments, multiple and severe disabilities, physical and health impairments, and giftedness. Includes study of definitions, characteristics, etiology, psycho-social implications, educational interventions, and current issues. At least 6 field experience hours required.

Credit Hours: 3 University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:

Additional Course Fee Schedule

SED 351 - Learning and Behavioral Disorders in a Diverse Society

Course Description:

Designed to examine the complex variety of learners with behavioral or emotional disorders and learning disabilities. Emphasis on etiology, assessment, diagnosis, characteristics, theories, historical influences, teaching strategies, and current trends. At least 15 field experience hours required.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

SED 352 - Behavioral Development

Course Description:

Designed to develop an understanding of social/emotional development and effective principles and strategies to promote positive behavioral development. Focus will be on positive behavioral support, functional behavioral assessment, teaching pro-social behaviors and social skills, establishing affective environments, parent training and effective behavior change strategies. At least 15 field experience hours required.

Credit Hours: 3 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:

Additional Course Fee Schedule

SED 354 - Curriculum and Methods of Instruction for Secondary Transition

Course Description:

Practical application of legal requirements for preparing students with disabilities for transition into employment, post-secondary education, and independent living, including pre-vocational and vocational methodologies, student-centered planning, and interagency linkages. At least 15 hours of field experience required.

Credit Hours: 3 Prerequisite Courses:

SED 372 , SED 369 , SEDL 369 , and SED 370 .

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3 Additional Fees Link:

Additional Course Fee Schedule

SED 355 - Children and Adolescents with Behavioral Disorders

Course Description:

Designed to examine the complex variety of learners with behavioral or emotional disorders. Emphasis on the concept of behavioral disorders, etiology, assessment, characteristics, theories, historical influences, teaching strategies, and current trends. At least 25 field experience hours required.

Credit Hours: 3 Prerequisite Courses: SED 352 Additional Restrictions/Requirements:

Prerequisite course or consent of the instructor.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may not

be repeated. Maximum Repeatable Hours: 3 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:

Student Blanket Professional Liability Insurance: Additional Course Fee Details

SED 356 - Severe Disabilities

Course Description:

Study of etiology, definitions, characteristics and programming needs of persons with moderate, severe, and profound intellectual disabilities, low functioning autism, and multiple disabilities. Current approaches to treatment and education of persons with severe disabilities in a variety of settings and across the life span will be included. Students will be expected to develop a basic knowledge of the various aspects of severe disabilities and use that knowledge to make informed decisions about appropriate practices in the education of this population. At least 15 field experience hours required.

Credit Hours: 3 Prerequisite Courses:

SED 352 .

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3 Additional Fees Link:

Additional Course Fee Schedule

SED 360 - Teaching Students with Learning Problems

Course Description:

Study of educational interventions for students with learning problems. Emphasis will be on developmental, cognitive, medical, behavioral, and constructivist approaches. Includes study of curriculum and instructional strategies in oral language, reading, literature, written language, math, content areas, learning strategies, and study skills for grades K-12. At least 15 field experience hours required.

Credit Hours: 3 Prerequisite Courses:

Prerequisite: SED 250 , SED 351 , and SED 352 .

Additional Restrictions/Requirements:

Prerequisite courses or consent of instructor.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3 Additional Fees Link:

Additional Course Fee Schedule

SED 362 - Teaching Students with Social, Emotional, and Behavior Problems

Course Description:

Examination of problems, issues, and practices in developing effective programs for students with social/behavioral needs. Emphasis on social, emotional and behavioral needs including major interventions, family involvement, social skills, applied behavior analysis, cognitive/behavioral approaches, medication issues, legal considerations, and curricular strategies. At least 25 field experience hours required.

Credit Hours: 3 Prerequisite Courses:

SED 351 , SED 352 , SED 372 , SED 369 , SEDL 369 , and SED 370 .

Additional Restrictions/Requirements:

Prerequisite courses or consent of instructor.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3 Additional Fees Link:

Additional Course Fee Schedule

SED 364 - Teaching Students with Severe Disabilities

Course Description:

Examination of intervention strategies and issues for persons with severe disabilities. Major focus is on a set of research based strategies referred to as response prompting procedures. Students will examine means for delivering instruction in one-on-one and small group settings using discrete trail, mass trial, and activity based approaches. At least 15 field experience hours required.

Credit Hours: 3 Prerequisite Courses:

SED 352 .

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3 Additional Fees Link:

Additional Course Fee Schedule

SED 365 - The Teaching of Functional Academics

Course Description:

Designed to comprehensively review methods for teaching basic, functional, academic skills to persons with severe intellectual disabilities. Emphasis will be on the teaching of reading, math, and writing skills for daily use.

Lab:

The lab for this course is SEDL 365 .
Credit Hours: 2 Corequisite Courses:
SEDL 365 .
Prerequisite Courses:
SED 364 , SED 356 .
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 2

SED 366 - The Teaching of Functional Skills

Course Description:
Examination of procedures for identifying and teaching functional skills to persons with severe intellectual disabilities. Students will assess and design programs to address skills in the domains of: personal management/self-care, daily living, vocation, career development, residential and independent living, recreation/leisure/play skills, and social skills. Course emphasis is analysis of skill requirements using an ecological inventory approach to instruction.
Lab:
The lab for this course is SEDL 366 .
Credit Hours: 2 Corequisite Courses:
SEDL 366 .
Prerequisite Courses:
SED 364 , SED 367 , SED 365 , and SEDL 365 .
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 2

SED 367 - Communication and Language: Development and Interventions

Course Description:
Investigation of the principles of communication and language development. Study of the relationship of severe disabilities to delays in communication and language development. Course covers the use of a range of intervention and assistive technology strategies to facilitate acquisition of skills, both verbal and non-verbal, in this area. At least 15 field experience hours required.
Credit Hours: 3 Prerequisite Courses:
SED 364 , SED 356 .
University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3 Additional Fees Link:
Additional Course Fee Schedule

SED 368 - Teaching Reading to Students with Special Needs

Course Description:

Designed to review, discuss, implement, and modify instructional techniques for teaching reading skills to students with exceptionalities. Emphasis on conducting assessments, developing materials, applying explicit instructional techniques, and identifying accommodations and modifications appropriate to the needs of students. Focus includes the application of instructional sequences that adhere to the guidelines for teaching phonemic awareness, vocabulary, fluency, comprehension, and the alphabetic principle.

Lab:

The lab for this course is SEDL 368 .

Credit Hours: 3 Corequisite Courses:

SEDL 368

Prerequisite Courses:

EDN 301, SED 372

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SED 369 - Teaching Mathematics to Students with Special Needs

Course Description:

Designed to review, discuss, implement, and modify instructional techniques for teaching mathematics skills to students with exceptionalities. Emphasis on conducting assessments, developing materials, applying explicit instructional techniques, and identifying accommodations and modifications appropriate to the needs of students. Focus includes the application of instructional sequences that adhere to the guidelines for teaching concepts, rules, and strategies in math.

Lab:

The lab for this course is SEDL 369 .

Credit Hours: 3 Corequisite Courses:

SEDL 369

Prerequisite Courses:

EDN 301, SED 374

Course Repeatability: Course may not be repeated.

SED 370 - Assessment Procedures for Special Education

Course Description:

Examination of concepts and fundamentals of educational assessment. Includes study of formal, informal, and alternative assessment techniques appropriate for students with exceptionalities. Includes assessment of intellectual functioning, academic skills, spoken language, learning skills, social-emotional-behavioral development, adaptive behavior, early childhood skills, and occupational/transitional skills. At least 15 field experience hours required.

Credit Hours: 3 Prerequisite Courses:

EDN 301, SED 374

Course Repeatability: Course may not be repeated. Additional Fees Link:
Additional Course Fee Schedule

SED 372 - Program Development in Special Education

Course Description:

Development of skills in planning educational programs for students with exceptionalities. Includes writing lesson plans, unit plans, individualized educational programs, family service plans, and transition plans; task analysis; legal requirements and roles of the special education teacher. At least 15 field experience hours required.

Credit Hours: 3 Prerequisite Courses:

EDN 301, SED 374

University Studies: ["Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated. Additional Fees Link:
Additional Course Fee Schedule

SED 374 - Applied Behavior Analysis for Teachers

Course Description:

Designed to provide a strong foundation and knowledge of basic principles of learning through the introduction of Behavior Analysis: the science and technology of behavior. The focus will be on empirically validated instructional strategies by which students learn academic, social and physical skills. At least 20 field experience hours required.

Credit Hours: 3 Additional Restrictions/Requirements:

9 hours of Curricular Foundations.
University Studies: ["Explorations Beyond the Classroom", "Building Competencies/Information Literacy", "Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

SED 375 - Reflective Practices in Teaching Students with Disabilities

Course Description:
Designed to provide students with the skills to identify the appropriate evidence based practices to be used to teach content and/or behavioral skills. Students will use the content they learned in their previous coursework to plan for instruction and assessment, instruct and engage students in learning, and assess student learning.
Credit Hours: 2 Corequisite Courses:
SEDL 375 .
Prerequisite Courses:
SED 372 , SED 369 , SEDL 369 , and SED 370 .
University Studies: ["Building Competencies/Information Literacy", "Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 2
Additional Fees Link:
Additional Course Fee Schedule

SED 410 - Seminar in Special Education

Course Description:
Designed as a culmination of professional study into the teaching profession by providing opportunities to extend and apply understandings of the roles of the special education teacher as decision maker and reflective practitioner, particularly in the areas of assessment, planning, instruction, management, collaboration, assistive technology and evaluation. In addition, this course is designed to use the internship placement as a setting to develop the collaboration, teaming, communication, and conflict resolution skills relevant for educators of students with special needs and from diverse cultures.
Credit Hours: 3 Corequisite Courses:
SED 411 .
Additional Restrictions/Requirements:

All courses in the professional core and specialty area and a 2.70 GPA on all work attempted at UNCW.
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SED 411 - Student Teaching in Special Education (K-12)

Course Description:
All full-time practicum experience within the area of specialization. Students will engage in a variety of supervised instructional activities, assuming an increasing amount of responsibility for all phases of instruction. Practica are offered in the areas of general curriculum and adapted curriculum.
Credit Hours: 9 Corequisite Courses:
SED 410
Additional Restrictions/Requirements:
As specified for SED 410 .
University Studies: ["Explorations Beyond the Classroom", "Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 9
Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link: Additional Course Fee Schedule

SED 412 - Extended Practicum in Special Education (K-12)

Course Description:
A part-time practicum experience within the area of specialization. Students will engage in supervised instructional activities that extend their understandings and teaching performance to an additional area of preparation. Areas of specialization are general curriculum and adapted curriculum.
Credit Hours: 3 To 6 Additional Restrictions/Requirements:
Appropriate curriculum and instruction courses and consent of the chairperson of the Department of Curricular Studies.
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 6

SEDL 200 - Special Education Apprentice Field Experience I

Course Description:
Designed to provide guided teaching practice under the direction of a university instructor. During the lab experience, students will design and deliver instruction for learners with high incidence disabilities based on evidence based practices and

support non-instructional classroom duties with the guidance of their partnership teacher.

Credit Hours: 1 Course Repeatability: Course may not be repeated. Additional Course Fees: ["Additional Fee - Liability Insurance"] Major Restriction: Special Education - General Curriculum

SEDL 201 - Special Education Apprentice Field Experience I

Course Description:

Designed to provide guided teaching practice under the direction of a university instructor. During the lab experience, students will design and deliver instruction for learners with significant intellectual and multiple disabilities based on evidence based practices and support non-instructional classroom duties with the guidance of their partnership teacher.

Credit Hours: 1 Additional Restrictions/Requirements:

Restricted to Special Education - Adapted Curriculum majors.

Course Repeatability: Course may not be repeated. Additional Course Fees: ["Additional Fee - Liability Insurance"] Major Restriction: Special Education - Adapted Curriculum

SEDL 300 - Special Education Apprentice Field Experience II

Course Description:

Designed to provide guided teaching practice under the direction of a university instructor. During the lab experience, students will design instruction for learners with high incidence disabilities, deliver instruction to individual students and/or small groups, support non-instructional classroom duties and collaborate with the partnership teacher regarding instructional decisions.

Credit Hours: 1 Prerequisite Courses:

SEDL 200 .

Additional Restrictions/Requirements:

Restricted to Special Education - General Curriculum majors.

Course Repeatability: Course may not be repeated. Additional Course Fees: ["Additional Fee - Liability Insurance"] Major Restriction: Special Education - General Curriculum

SEDL 301 - Adapted Curriculum Field Experience II

Course Description:

Designed to provide guided teaching practice under the direction of a university instructor. During the lab experience, students will design instruction for learners

with significant intellectual and multiple disabilities, deliver instruction to individual students and/or small groups, support non-instructional classroom duties and collaborate with the partnership teacher regarding instructional decisions.
Credit Hours: 1 Prerequisite Courses:
SEDL 201 .
Additional Restrictions/Requirements:
Restricted to Special Education Adapted Curriculum majors.
Course Repeatability: Course may not be repeated. Additional Course Fees: ["Additional Fee - Liability Insurance"] Major Restriction: Special Education - Adapted Curriculum

SEDL 365 - Functional Academics Laboratory

Course Description:
Designed to provide students with supervised opportunities to teach functional academic skills to students with severe intellectual disabilities. Emphasis will be on the teaching of reading, math, and writing skills for daily use. Minimum of 20 hours per semester.
Lab:
This course is the lab for SED 365 .
Credit Hours: 1 Corequisite Courses:
SED 365
Prerequisite Courses: SED 364 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 1 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

SEDL 366 - Functional Skills Laboratory

Course Description:
Designed to provide students with supervised opportunities to teach and observe instruction of functional skills to students with severe intellectual disabilities. Emphasis will be on the teaching of personal management/self-care, daily living, vocation/employment, and social skills. Minimum of 20 hours per semester.
Lab:
This course is the lab for SED 366 .
Credit Hours: 1 Corequisite Courses:
SED 366
Prerequisite Courses: SED 364 Course Repeatability: Course may not be repeated. Maximum

Repeatable Hours: 1 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

SEDL 368 - Teaching Reading to Learners with Special Needs Laboratory

Course Description:

Designed to provide students with supervised opportunities to implement and modify explicit reading instruction to meet the needs of students with exceptionalities. Emphasis will be on the application of instructional sequences that adhere to the guidelines for teaching phonemic awareness, vocabulary, fluency, comprehension, and the alphabetic principle.

Lab:

This course is the lab for SED 368 .

Credit Hours: 1 Corequisite Courses:

SED 368

Prerequisite Courses:

EDN 301

University Studies: ["Explorations Beyond the Classroom", "Building Competencies/Writing Intensive"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 1 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

SEDL 369 - Teaching Mathematics to Students with Special Needs Laboratory

Course Description:

Designed to provide students with supervised opportunities to implement and modify explicit mathematics instruction to meet the needs of students with exceptionalities. Emphasis will be on the application of instructional sequences that adhere to the guidelines for teaching concepts, rules, and strategies in math.

Lab:

This course is the lab for SED 369 .

Credit Hours: 1 Corequisite Courses:

SED 369

Prerequisite Courses: EDN 301 University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 1 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:

SEDL 375 - Reflective Practices in Teaching Students with Disabilities Lab

Course Description:

Designed to provide supervised opportunities to develop a comprehensive individualized lesson plan(s) for a student(s) with a disability that reflects a deep understanding of differentiation and also addresses the unique behavioral needs of students that are in need of functional behavioral support. The course content will also reflect students' acquisition of skills from their special education methods courses and provide opportunities to practice the culmination of these skills while receiving constructive feedback from the instructor.

Credit Hours: 1 Corequisite Courses:

SED 375 .

Prerequisite Courses:

SED 372 , SED 369 , SEDL 369 , SED 370 .

Additional Restrictions/Requirements:

Restricted to majors in Special Education (General and Adapted Curriculum).

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 1 Additional Course Fees: ["Additional Fee - Liability Insurance"] Major Restriction: Special Education - General and Adapted Curriculum

SEDL 400 - General Curriculum Field Experience III

Course Description:

Designed to provide guided teaching practice under the direction of a university instructor. During the lab experience, students will design instruction for learners with high incidence disabilities, deliver instruction to individual students, small groups, and/or whole groups, support classroom management plans, support non-instructional classroom duties and collaborate with the partnership teacher regarding instructional decisions.

Credit Hours: 1 Prerequisite Courses:

SEDL 300 .

Additional Restrictions/Requirements:

Restricted to Special Education General Curriculum majors.

Course Repeatability: Course may not be repeated. Additional Course Fees: ["Additional Fee - Liability Insurance"] Major Restriction: Special Education - General Curriculum

SEDL 401 - Adapted Curriculum Field Experience III

Course Description:

Designed to provide guided teaching practice under the direction of a university instructor. During the lab experience, students will design instruction for learners with significant intellectual and multiple disabilities, deliver instruction to individual students, small groups, and/or whole groups, support classroom management plans, support non-instructional classroom duties and collaborate with the partnership teacher regarding instructional decisions.

Credit Hours: 1 Prerequisite Courses:

SEDL 301 .

Additional Restrictions/Requirements:

Restricted to Special Education Adapted Curriculum majors.

Course Repeatability: Course may not be repeated. Additional Course Fees: ["Additional Fee - Liability Insurance"] Major Restriction: Special Education - Adapted Curriculum

TSL 423 - Second Language Acquisition

Course Description:

Students will be introduced to the field of Second Language Acquisition. Topics include basic concepts in first and second language acquisition and relationships between the two, key research, theories and principles in the field of English as a second language and how they relate to the academic achievement of English language learners.

Credit Hours: 3 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

Department of Educational Leadership

https://uncw.edu/**ed**/el/

The Department of Educational Leadership is committed to the preparation, support and collaboration with educators who seek or hold leadership positions in schools, school districts, boards, state and federal departments, agencies or higher education. One undergraduate area is offered in the department: the leadership studies minor. Three graduate programs are offered: Master of Education in curriculum/instruction supervision, Master of School Administration, and Ed.D. in

educational leadership and administration.

EDN 100 - Foundations and Principles of Resident Assistantship

Course Description:

EDN 100 is a required course for first semster RAs. The course focuses on the expansion of knowledge, skills, and dispositions related to the overall residential experience. Students must earn a grade of C or better to retain RA employment.

Credit Hours: 2 Additional Restrictions/Requirements:

Must be employed as an RA to take the course.

Course Repeatability: Course may not be repeated.

EDN 211 - Principles of Leadership

Course Description:

This course will provide an introduction to leadership. Students will develop an understanding of the leadership theories, styles of leadership, and strategies for successful leadership. They will learn skills to enhance their leadership effectiveness in a variety of settings and will develop insights about themselves and others.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

EDN 310 - School-Community Relations

Course Description:

Methods of improving school-community relations.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

EDN 311 - Education in a Global Context

Course Description:

This course examines the field of comparative and international education, including a focus on exploring complex global educational issues of equity, access, and quality. The course explores comparative case studies of education around the world.

Credit Hours: 3 Crosslisting:

INT 380 .

Course Repeatability: Course may not be repeated.

EDN 340 - Applied Literacy Methods

Course Description:
This course emphasizes the instructional application of foundational and advanced literacy skills with a focus on the role of comprehension and research-based tools to support vocabulary acquisition, fluency, and reading for meaning.
Lab:
The lab for this course is EDNL 340 .
Credit Hours: 3 Corequisite Courses:
EDNL 340
Prerequisite Courses:
EDN 240
Course Repeatability: Course may not be repeated.

EDN 348 - Differentiated Literacy Assessment and Instruction

Course Description:
This final course in the literacy course sequence emphasizes the culmination of theory, practice, and assessment of literacy teaching and learning in classrooms, especially methods of differentiation across diverse student populations. A field experience is required.
Credit Hours: 3 Corequisite Courses:
EDNL 332 and EDNL 333
Prerequisite Courses:
EDN 340
Course Repeatability: Course may not be repeated. Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

EDN 401 - Professional Development of Teachers as Leaders

Course Description:
In-depth examination of the principles of leadership as they apply to the professional development of classroom teachers. Representatives from professional educational organizations as well as school leaders will discuss what is required for pre-service teachers as they prepare to enter the work force. Emphasis on the establishment of

personally designed professional goals will allow students to prepare for their futures as classroom, school and organizational leaders.
Credit Hours: 1 Additional Restrictions/Requirements:
Formal enrollment in the Teaching Fellows Program or consent of director.
Course Repeatability: Course may not be repeated.

EDN 480 - Exploring the Field of International Education

Course Description:
This course focuses on the field of international education at the higher education level. It is designed to provide students with the capacity to work with or within education abroad, international student & scholar services, and international student recruitment, and to understand trends, relationships, and perspectives within the field.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

LED 211 - Principles of Leadership

Course Description:
Introduction to leadership. Study of leadership theories, styles, and strategies. Emphasis on developing leadership skills in a variety of settings.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Understanding Human Institutions and Behaviors"] Course Repeatability: Course may not be repeated.

LED 311 - Communication and Leadership

Course Description:
Theory and practice of leadership. Focuses on issues of cohesiveness, trust, motivation, vision, and goals. Development of conflict management and decision-making goals.
Credit Hours: 3 Prerequisite Courses:
LED 211
Additional Restrictions/Requirements:
Prerequisite course or consent of instructor.
Course Repeatability: Course may not be repeated.

LED 384 - Leadership for Social Justice and Allyship

Course Description:
Students will practice implementing social justice leadership concepts in the classroom to develop an understanding of social systems and structures that reinforce power differentials, privilege, and oppression. This course draws heavily on critical self-reflection to explore how leadership, as an inclusive process, shapes experiences related to multiculturalism and social justice within the university and community.
Credit Hours: 3 Prerequisite Courses:
LED 211 .
Course Repeatability: Course may not be repeated.

LED 385 - Global Applications of Leadership

Course Description:
This course is designed to accompany faculty-led study abroad in the Leadership Studies Minor. The course provides opportunities to learn about leadership in another country, observe and interact with organizational leaders in multiple settings, and apply leadership theory and knowledge in an international context through completion of a leadership project.
Credit Hours: 1 To 3 Course Repeatability: Course may be repeated.

LED 411 - Contemporary Leadership Applications

Course Description:
Concepts related to leadership. Ability to envision and implement change for the common good using diverse perspectives and contexts. Applies leadership and organizational theories through real world experience and contemporary issues.
Credit Hours: 3 Prerequisite Courses: LED 311 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

LED 424 - Evaluation in Support of Organizational Learning

Course Description:
In this course, students develop an understanding of evaluation and its role in learning organizations, with emphasis on evaluating learning, performance, and change initiatives. Major components of the course include program and training evaluation, strategic learning, systems thinking, evaluation principles and guidelines, and organizational learning and change.

Credit Hours: 3 Crosslisting:

EDL 524.

Course Repeatability: Course may not be repeated. Additional Course Fees: ["None"]

LED 491 - Directed Individual Study

Course Description:

For further information, consult the Directed Individual Studies section in this catalogue.

Credit Hours: 1 To 3 Additional Restrictions/Requirements:

Junior or senior standing, overall GPA of at least 2.00, and consent of program coordinator and instructor.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 12

LED 495 - Selected Topics in Leadership Studies

Course Description:

Selected topics in leadership studies of varying duration and credit.

Credit Hours: 1 To 3 Additional Restrictions/Requirements:

Junior or senior standing.

Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

TFP 105 - Introduction to Teacher as Leader: Teaching Fellows Freshman Seminar

Course Description:

The seminar will introduce the freshman teaching fellows to the college experience by developing their understanding of effective strategies to optimize success in the university setting. Topics include learning strategies, university services, critical thinking, ethics and professionalism, and leadership characteristics. It will also include field experiences, collaborative learning, and independent scholarship.

Credit Hours: 3 Additional Restrictions/Requirements:

Formal enrollment in the Teaching Fellows Program or consent of director.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

TFP 106 - Introduction to Teacher as Leader II

Course Description:

In-depth introduction to, and examination of, the teaching profession and the

development of leadership skills necessary for successful practice. Students will hear from classroom leaders and support personnel from all grade levels. A service learning component with an area middle school is required and includes a tutoring component. Emphasis also upon the development of skills essential for academic success.

Credit Hours: 1 Additional Restrictions/Requirements:

Formal enrollment in the Teaching Fellows Program or consent of director.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 1

TFP 201 - Community-Based Understanding in Education

Course Description:

The course is designed as an in-depth introduction to, and examination of, the problems facing students and the community as a whole. Students will participate in a service learning projects to better understand their students' life experiences. Topics range from gangs and poverty to ESL and immigration.

Credit Hours: 1 Additional Restrictions/Requirements:

Formal enrollment in the Teaching Fellows Program or consent of director.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 1

TFP 202 - Technology in the Classroom

Course Description:

The course is designed as a survey of unique and innovative technology components that can be utilized by both instructor and student in the classroom. Topics can include web design and usage, the use of SMART boards, animation tools, web 2.0 and 3.0 tools, as well as others. Students will create their own technology object/lesson.

Credit Hours: 1 Additional Restrictions/Requirements:

Formal enrollment in the Teaching Fellows Program or consent of director.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 1

TFP 203 - Math and Science Strategies for All Instructors

Course Description:

A survey of strategies to include math and science in all classrooms, not merely those that are math and science discipline specific. Specific strategies and examples as well as opportunities will be discussed. Appropriate for all discipline

areas.
Credit Hours: 1 Additional Restrictions/Requirements:
Formal enrollment in the Teaching Fellows Program or consent of director.
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 1

TFP 204 - Leadership, Conflict, Ethics and Civility in Education

Course Description:
The course is designed to focus on theory and practice of leadership, issues of ethics, civility cohesiveness, trust, motivation, vision, and goals. Students will identify and examine conflict management, assessment, and decision-making goals.
Credit Hours: 1 Additional Restrictions/Requirements:
Formal enrollment in the Teaching Fellows Program or consent of director.
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 1

TFP 205 - Comparative International Education

Course Description:
This course will examine and compare major differences in the approach to education in the K-12 setting in selected countries/regions. Differences in theoretical approaches as well as application of pedagogies will be studied. Students will critically examine global events and issues that affect education.
Credit Hours: 1 Additional Restrictions/Requirements:
Formal enrollment in the Teaching Fellows Program or consent of director.
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 1

TFP 211 - Sophomore Internship I

Course Description:
Practicum experience during fall semester within a Fellows area of specialization. Students will engage in a variety of supervised instructional activities and assume increasing responsibility for all phases of classroom instruction. Practicums are offered in the areas of elementary education (K-6), middle grades education (6-8), secondary education (9-12), and special education.
Credit Hours: 1 Additional Restrictions/Requirements:
Formal enrollment in the Teaching Fellows Program or consent of director.
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 1

TFP 212 - Sophomore Internship II

Course Description:

Practicum experience during spring semester within a Fellows area of specialization. Students will engage in a variety of supervised instructional activities and assume increasing responsibility for all phases of classroom instruction. Practicums are offered in the areas of elementary education (K-6), middle grades education (6-8), secondary education (9-12), and special education.

Credit Hours: 1 Additional Restrictions/Requirements:

Formal enrollment in the Teaching Fellows Program or consent of director.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 1

TFP 301 - Race and Education

Course Description:

The legacy of slavery, immigration and other issues of origin will be explored though the lens of Critical Race Theory, colorblindness, education policy, affirmative action, and other sociological perspectives in order to help understand its impact upon education.

Credit Hours: 1 Additional Restrictions/Requirements:

Formal enrollment in the Teaching Fellows Program or consent of director.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 1

TFP 302 - Incorporating Fine Arts in all Academic Levels

Course Description:

Designed to provide experiences with visual art, music, drama, and dance that will prepare students to plan and deliver appropriate experiences to students. Attention will be given to understanding the arts in culture, the needs of students in the arts, the creative process, the skills and concepts of the arts, and connections to other disciplines across all grade levels. Emphasis will be on integrating arts instruction in other areas of the curriculum.

Credit Hours: 1 Additional Restrictions/Requirements:

Formal enrollment in the Teaching Fellows Program or consent of director.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 1

TFP 401 - Professional Development of Teachers as Leaders

Course Description:
In-depth examination of the principles of leadership as they apply to the professional development of classroom teachers. Representatives from professional education organizations as well as school leaders will discuss what is required for pre-service teachers as they prepare to enter the work force. Emphasis on the establishment of personally designed professional goals will allow students to prepare for their futures as classroom, school and organizational leaders.
Credit Hours: 1 Additional Restrictions/Requirements:
Formal enrollment in the Teaching Fellows Program or consent of director.
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 1

Department of Instructional Technology, Foundations, and Secondary Education

https://uncw.edu/ed/mit/
The Department of Instructional Technology, Foundations and Secondary Education prepares educators/professionals for leadership positions in instructional technology and secondary education. The department also provides the foundations courses for all initial licensure programs. A minor is available in English as a second language. The secondary education program has strong alliances with the College of Humanities, Social Sciences, and the Arts and the College of Science and Engineering in the related secondary subject disciplines of mathematics, science, English, social sciences, foreign languages, physical education/health and music. Three graduate programs are offered: Master of Science in instructional technology; Master of Arts in Teaching in secondary education (English, mathematics, social studies, and science); and Master of Education in secondary education (English, history, mathematics, science and Spanish).

Teaching English as Second Language Minor

The Watson College of Education offers a minor in teaching English as a second language. The minor provides students with knowledge of second language acquisition, cultural differences, linguistics, and instructional strategies for meeting

the education needs of students for whom English is a second language. The minor leads to add-on teacher licensure in English as a second language for individuals who have earned initial NC teacher licensure. Students should contact the coordinator in the Watson College of Education for additional information.

Secondary Education Teacher Licensure

Target audience: undergraduate students seeking teacher licensure in the secondary (9-12) fields of biology, chemistry, geology, English, and mathematics. Students who concentrate in anthropology, history, political science or sociology may fulfill subject matter requirements for social studies licensure by completing a minimum of 21 semester hours in three social studies areas other than the discipline of major concentration. HST 102 or HST 101 , HST 104 , HST 105 , HST 106 and PLS 101 must be completed, as well as at least one course in each of the following areas: sociology/anthropology, economics, and geography.
Students who concentrate in biology, chemistry, physics or earth science may fulfill requirements for science licensure by completing 21 semester hours in three science areas other than the discipline of major concentration. A minimum of two courses from each discipline is required. PHY 260 also is required. Students wishing to prepare themselves as secondary teachers must fulfill degree requirements in an appropriate academic discipline, be admitted to the Watson College of Education, and complete the following sequence of professional courses.

Special Subjects Teacher Licensure

Programs leading to teacher licensure are offered in the special subject (K-12) fields of health and physical education, music, French, and Spanish. Students wishing to prepare themselves as special subject teachers must fulfill degree requirements in an appropriate academic discipline, be admitted to the Watson College of Education, and complete the following sequence of professional courses.

Integrated STEM with Teaching Licensure Minor

The Watson College of Education and the College of Science and Engineering, offer an interdisciplinary minor in Integrated Science, Technology, Engineering and

Mathematics (iSTEM) with Teaching Licensure designed to enable students earning a B.S. degree in the following STEM disciplines: biology, chemistry, computer science, environmental studies, mathematics, and physics, earn a teaching licensure.

Online Teaching and Learning Minor

Online education has increased significantly in K-12 institutions, community colleges, and higher education over the last decade. As a result of this increase, there is a need to train educators to teach in, create, and manage these online and virtual environments. This undergraduate minor program in Online Teaching and Learning (OT&L) is designed to meet the needs of pre-service teachers, teachers, and other individuals who wish to teach in, design, develop, and manage online learning environments.

The minor program in Online Teaching and Learning (OT&L) will provide participants with a multitude of learning experiences. These include design, development, implementation, and management of online courses using various Learning Management Systems (LMS); design and delivery of synchronous learning environments and learning management systems; design and development of electronic, self-directed learning materials, and others; and to teach in virtual schools. By completing this minor program, candidates have required competencies for teaching in, creating, and managing online programs.

Minor Program Objectives:

- Design, develop, implement, manage, and evaluate online learning environments, courses, and programs.
- Demonstrate skills in integrating instructional design principles and procedures with multimedia technologies and course management tools to develop highly engaging and interactive online learning environments.
- Develop knowledge safety, ethics, plagiarizing, and cyberbullying in online environments
- Develop knowledge and skills of designing, developing, delivering, and evaluating online learning environments and programs that are accessible for individuals with disabilities and are responsive to learners' diversity and cultural differences.
- Demonstrate competencies in creating and implementing assessments in online learning environments in ways that assure validity and reliability of instruments and procedures.
- Demonstrate competencies in using data and findings from assessments and other data sources to modify instructional methods and content and to guide student learning in online learning

environments.
- Demonstrate administrative skills in planning, launching, maintaining, and coordinating distance education programs.

Esports Performance and Management Certificate

This 15 credit hour certificate in Esports Performance and Management is designed to meet the needs of those who are interested in improving their knowledge and skills of leadership, coaching and mentorship, creating esports and gaming content and media, incorporating esports and gaming into education, and designing and managing esports programs and events. The certificate program serves undergraduate students who desire to expand their knowledge and skills to have a career in esports and related events.

EDN 103 - Future Teacher Career Academy Seminar I

Course Description:
The course is the first required seminar for Isaac Bear students participating in the Future Teacher Career Academy. Students will explore the teaching profession through selected educational readings, professional speakers, group discussions and special events. The focus of this course will be for FTCA participants to explore themselves as learners.
Credit Hours: 1 Course Repeatability: Course may not be repeated.

EDN 104 - Future Teacher Career Academy Seminar II

Course Description:
The course is the second required seminar for Isaac Bear students participating in the Future Teacher Career Academy. Students will explore the teaching profession through selected educational readings, professional speakers, group discussions and special events. Students focus on studying different kinds of learners similar and different from oneself.
Credit Hours: 1 Course Repeatability: Course may not be repeated.

EDN 200 - Teacher, School and Society

Course Description:

This course examines historical, sociological, and philosophical foundations of education as well as issues of diversity. The course engages students' knowledge, research, and analytical skills in relation to the goals and purposes of education. Students are challenged to critically reflect on personal and educational experiences as preservice professionals. The course is designed to provide opportunities to observe and engage in reflective discussion of curriculum and instructional practices, school governance and organization, and school-community relationships, inclusive of field experience. **Additional liability insurance expense may be necessary.**

Lab:

The lab for this course is EDNL 200 [Inactive].

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in Our Diverse Nation", "Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated.

EDN 203 - Psychological Foundations of Teaching

Course Description:

A study of the major psychological variables that influence learning in schools and their applications to teaching. Addresses theories and systems of learning (behavioral, cognitive, constructivist, and humanistic); major developmental processes and typical characteristics; and principles of motivation. Variables explaining and accounting for individual differences will be examined, including cultural aspects of learning and special needs learners. Students will learn about practices associated with effective teaching, including classroom management, and standards for valid assessment of student learning.

Credit Hours: 3 University Studies: ["Approaches and Perspectives/Understanding Human Institutions and Behaviors"] Course Repeatability: Course may not be repeated. Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

EDN 301 - Instructional Design and Evaluation

Course Description:

Provides conceptual tools and analytic skills essential to planning, implementing,

and evaluating instruction. The design of instruction that incorporates behavioral, cognitive and constructivist theories of learning and views of curriculum will be considered. Topics: types of learning; conditions of learning; performance objectives; purposes, forms, and procedures for educational assessment; task analysis, and lesson design.
Credit Hours: 3 Prerequisite Courses:
Prerequisite or corequisite:EDN 200 and EDN 203 .
Course Repeatability: Course may not be repeated.

EDN 303 - Instructional Technology

Course Description:
Emphasizes the design, selection, production, and evaluation of instructional materials, computer-generated presentations, and interactive multimedia, with particular emphasis on their effective integration into an instructional unit. Develops skill in the operation of media production equipment, including microcomputers, fundamentals of operating systems, computer software applications, networks, and telecommunications.
Credit Hours: 3 University Studies: ["Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

EDN 304 - Creativity, Imagination, and Innovation in Education

Course Description:
This course will examine the creative process in teaching, curriculum design, and educational spaces. Students will explore the ways that individuals develop, implement and evaluate new ideas, processes, and programs related to education. Students will also study the cultivation of imagination and the nurturing of innovation using real-world examples.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

EDN 321 - Meeting Needs of Special Students in High Schools

Course Description:
This course will focus on strategies for meeting needs of individuals in high school classrooms. Students will study alternative methods for dealing with pupil differences that have an impact on academic and social behaviors. Characteristics

of students with academic, intellectual, social-emotional, physical, cultural and language differences will be examined. Field experiences required.
Credit Hours: 2 Course Repeatability: Course may not be repeated.

EDN 356 - Reading for K-12 Teachers

Course Description:
Required course in the teaching of reading. Basic instructional reading strategies are developed with emphasis on introducing assignments, improving study skills, and fostering critical thinking. Students identify and learn to teach reading skills specific to varying content areas. Adjusting instruction to students' reading capabilities is stressed.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

EDN 370 - Gender and Education

Course Description:
This course will investigate the historical and contemporary issues related to gender, sexuality, and sex education. Specific topics will include: the construction of gender identity in educational settings, educational practices that reinforce or challenge gendered identities, single-sex education, and sexuality education. Students in the course will also explore laws and policies related to gender and sexuality in education.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

EDN 400 - Immigration, Demographics, and Justice in Education

Course Description:
This course will consider immigration, changing demographics in the United States, the effects of these changes on schools and communities, and power structures that support and/or hinder school and community responses to changing demographics. Specific attention will be given also to differences in rural and urban demographic shifts and the effects of those shifts on education.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

EDN 402 - Classroom Management in Secondary Schools

Course Description:

Designed to provide students with the necessary knowledge and skills for effective classroom management. Field experience required.

Credit Hours: 1 Corequisite Courses:

EDN 409

Course Repeatability: Course may not be repeated.

EDN 403 - Theory and Practice in Teaching Secondary English (9-12)

Course Description:

Emphasis on theory, curriculum development, inquiry, critical thinking, classroom management, instructional strategies and selection of appropriate instructional materials. Successful planning and teaching practices with adaptations to diverse needs of students will be discussed. Field experiences required (10-20 contact hours).

Lab:

The lab for this course is EDNL 403 .

Credit Hours: 3 Corequisite Courses:

EDNL 403

Prerequisite Courses:

EDN 301

Course Repeatability: Course may not be repeated.

EDN 404 - Theory and Practice in Teaching Secondary Mathematics (9-12)

Course Description:

Emphasis on theory, curriculum development, inquiry, critical thinking, classroom management, instructional strategies and selection of appropriate instructional materials. Successful planning and teaching practices with adaptations to diverse needs of students will be discussed. Field experiences required (10-20 contact hours).

Lab:

The lab for this course is EDNL 404 .

Credit Hours: 3 Corequisite Courses:

EDNL 404

Prerequisite Courses:

EDN 301

Course Repeatability: Course may not be repeated.

EDN 405 - Theory and Practice in Teaching Secondary Social Studies (9-12)

Course Description:

Emphasis on theory, curriculum development, inquiry, critical thinking, classroom management, instructional strategies and selection of appropriate instructional materials. Successful planning and teaching practices with adaptations to diverse needs of students will be discussed. Field experiences required (10-20 contact hours).

Lab:

The lab for this course is EDNL 405 .

Credit Hours: 3 Corequisite Courses:

EDNL 405

Prerequisite Courses:

EDN 301

Course Repeatability: Course may not be repeated.

EDN 406 - Theory and Practice in Teaching Secondary Science (9-12)

Course Description:

Emphasis on theory, curriculum development, inquiry, critical thinking, classroom management, instructional strategies and selection of appropriate instructional materials. Successful planning and teaching practices with adaptations to diverse needs of students will be discussed. Field experiences required (10-20 contact hours).

Lab:

The lab for this course is EDNL 406 .

Credit Hours: 3 Corequisite Courses:

EDNL 406

Prerequisite Courses:

EDN 301

Course Repeatability: Course may not be repeated.

EDN 407 - Theory and Practice in Teaching Foreign Languages (K-12)

Course Description:

Emphasis on theory, curriculum development, inquiry, critical thinking, classroom management, instructional strategies and selection of appropriate instructional materials. Successful planning and teaching practices with adaptations to diverse needs of students will be discussed. Field experiences required (10-20 contact hours).

Lab:

The lab for this course is EDNL 407 .

Credit Hours: 3 Corequisite Courses:

EDNL 407

Prerequisite Courses:

EDN 301

Course Repeatability: Course may not be repeated.

EDN 408 - Instructional Seminar

Course Description:

Physical education and music education majors do not need to take corequisite course. Development of instructional skills required for successful teaching with regard for the particular needs of the student's academic discipline and the effective management of the classroom. Designed as a culmination of professional study and an initiation into the internship and the teaching profession. Emphasis is given to professional documentation of reflective growth.

Credit Hours: 3 Corequisite Courses:

EDN 409

Additional Restrictions/Requirements:

Corerequisite course, all professional core and specialty area courses, acceptance into the Watson School of Education, and a 2.70 GPA on all work attempted at UNCW.

Course Repeatability: Course may not be repeated.

EDN 409 - Student Teaching

Course Description:

Physical education and music education majors do not need to take corequisite course. Students will be assigned full-time to practicum sites within their areas of specializations. During the course, students will engage in a variety of supervised instructional activities, assuming increasingly wider responsibility for class instruction. Practical are offered in the following areas of specialization: biology, chemistry, English, French, geology, history, mathematics, music, physical education (and health), physics, social studies, and Spanish.
Credit Hours: 12 Corequisite Courses:

EDN 408

Additional Restrictions/Requirements:

Corequisite course, and as specified for EDN 408 .

University Studies: ["Explorations Beyond the Classroom", "Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated. Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

EDN 415 - Education Media Design and Production

Course Description:

This course will provide students with an understanding of the design principles underlying the production of instructional materials and with the necessary production techniques. Emphasis will be placed upon the production of materials and their effective integration into an instructional unit. Students will design, produce, and evaluate a number of projects using techniques common to media programs in public schools and the authors who have made contributions to this field.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

EDN 416 - Instructional Applications of Computers

Course Description:

Designed to develop skills in using computers as tools in instruction and to make judgments about instructional materials designed for use on computers. Topics include: (a) introduction to computing systems, (b) introduction to microcomputer programming languages, (c) authoring languages, (d) judging instructional "software", (e) using computers to manage classroom records, (f) using computers in instruction. and (g) teleprocessing and automated data bases. Activities will

include group lectures, demonstrations, and discussions, projects in software designed for classroom management and instruction. The major focus is on microcomputer application.

Credit Hours: 3 Prerequisite Courses:

EDN 301 and EDN 303

Additional Restrictions/Requirements:

Prerequisite courses or consent of instructor.

Course Repeatability: Course may not be repeated.

EDN 420 - Instructional Seminar - Foreign Languages

Course Description:

Corequisite course only applies to students pursuing teacher licensure in Spanish or French. Development of instructional skills required for successful teaching with regard for the particular needs of the student's academic discipline and the effective management of the classroom. Designed as a culmination of professional study and an initiation into the internship and the teaching profession. Emphasis given to professional documentation of reflective growth.

Credit Hours: 3 Corequisite Courses:

EDN 409

Additional Restrictions/Requirements:

Corerequisite course, all professional core and specialty area courses, acceptance into the Watson School of Education, and a 2.70 GPA on all work attempted at UNCW.

Course Repeatability: Course may not be repeated.

EDN 425 - Educational Policy and Advocacy

Course Description:

In this course students will study local, state, national, and international policies related to education. Students will examine the causes and effects of specific policies for teachers, students, and communities. Students will complete an in-depth study of a group or agency that advocates for children, youth, families, and/or schools. A capstone project is included in this course.

Credit Hours: 3 University Studies: ["Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated.

EDN 442 - Introduction to Gifted Education

Course Description:

Focuses on the study of gifted education including historical and current views in the field. Emphasis placed on understanding the unique characteristics of gifted learners, issues of identification, and traditionally underrepresented populations. Includes readings, lecture, discussion, presentations, and applied learning assignments.

Credit Hours: 3 Crosslisting:

EDN 552

Course Repeatability: Course may not be repeated.

EDN 444 - Curriculum, Methods, and Materials for Gifted Education

Course Description:

Examines effective curriculum, methods, and materials to sue in support of gifted learners. Course focuses on talent development as well as effective curricular, instructional, management, and assessment strategies including differentiated instructional practices, and advanced problem-solving, and independent learning for gifted learners.

Credit Hours: 3 Prerequisite Courses:

EDN 442

Additional Restrictions/Requirements:

Prerequisite course or consent of instructor.

Crosslisting:

EDN 554

Course Repeatability: Course may not be repeated.

EDN 499 - Honors Work in Education

Course Description:

Independent study for honors students.

Credit Hours: 2 To 3 Additional Restrictions/Requirements:

Senior standing.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may be repeated. Maximum Repeatable Hours: 6

EDNL 403 - Field Experience in Secondary English

Course Description:

Designed to provide supervised extended experiences in public school classrooms beyond those required as a part of the methods course. Focus on reflections concerning observations and use of pedagogy with secondary students. Emphasis on integration in order to promote theory into practice. Weekly field experiences in designated sections of corequisite course required.

Lab:

This course is the lab for EDN 403 .

Credit Hours: 1 Corequisite Courses:

EDN 403

Course Repeatability: Course may not be repeated.

EDNL 404 - Field Experience In Secondary Math

Course Description:

Designed to provide supervised extended experiences in public school classrooms beyond those required as a part of the methods course. Focus on reflections concerning observations and use of pedagogy with secondary students. Emphasis on integration in order to promote theory into practice. Weekly field experiences in designated sections of corequisite course required.

Lab:

This course is the lab for EDN 404 .

Credit Hours: 1 Corequisite Courses:

EDN 404

Course Repeatability: Course may not be repeated.

EDNL 405 - Field Experience in Secondary Social Studies

Course Description:

Designed to provide supervised extended experiences in public school classrooms. Focus on reflections concerning observations and use of pedagogy with secondary social studies students. Emphasis on integration to promote theory into practice. Weekly field experiences in designated sections of corequisite course required. Weekly field experiences in designated sections of corequisite course required.

Lab:

This course is the lab for EDN 405 .

Credit Hours: 1 Corequisite Courses:

EDN 405

Course Repeatability: Course may not be repeated.

EDNL 406 - Field Experience in Secondary Science

Course Description:

Designed to provide supervised extended experiences in public school classrooms beyond those required as a part of the methods course. Focus on reflections concerning observations and use of pedagogy with secondary students. Emphasis on integration in order to promote theory into practice. Weekly field experiences in designated sections of corequisite course required.

Lab:

This course is the lab for EDN 406 .

Credit Hours: 1 Corequisite Courses:

EDN 406

Course Repeatability: Course may not be repeated.

EDNL 407 - Field Experience in Foreign Language

Course Description:

Designed to provide supervised extended experiences in public school classrooms. Focus on observations, reflections concerning observations, and use of pedagogy with foreign language students K-12. Emphasis on integration of theory and practice.

Lab:

This course is the lab for EDN 407 .

Credit Hours: 1 Corequisite Courses:

EDN 407

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated. Additional Course Fees: ["Student Blanket Professional Liability Insurance"]

Additional Fees Link:

Additional Course Fee Schedule

MIT 150 - Game Theory

Course Description:

Embark on a journey through the world of game design! This course provides a comprehensive introduction to the fundamentals of game design and game theory. Students will explore the principles, mechanics, and strategies that underlie the creation and analysis of games across various platforms. This course emphasizes practical applications, focusing on intuitive concepts that empower students to craft captivating games. Students will develop a deep understanding of the interdisciplinary nature of game design, drawing on elements from psychology, mathematics, storytelling, and user experience design. By the end of this course, students will have acquired a solid foundation in game design principles, game theory, and a diverse range of skills applicable to the creation and evaluation of games across different platforms.
Course Repeatability: Course may not be repeated.

MIT 401 - Online Teaching: Design, Development, and Management

Course Description:
Focus on the design, development, and management of online instruction. Students will use principles of instructional to design and develop online courses with a focus on how to organize and manage an online environment in a Learning Management System (LMS).
Credit Hours: 3 Course Repeatability: Course may not be repeated.

MIT 402 - Multimedia Instruction for Online Learning

Course Description:
Students will follow the instructional design process to create and evaluate multimedia instruction for online computer-based environments. Several advanced technologies will be incorporated to design and develop instructional material. These technologies will include video, computer-based authoring software, mobile and desktops, and other advanced technologies impacting online course development.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

MIT 413 - Assessment of Learning and Instruction

Course Description:
Examine purpose of formative and summative assessment and how it's applied

across a variety of systems. Particular attention is paid to the concepts of reliability, validity, norms, interpretation of scores, response sets, fairness in testing and performance assessment, formative vs summative, and norm referenced vs. criterion referenced tests. A variety of formative and summative instruments that are used to measure or assess human attributes and behaviors are studied.
Credit Hours: 3 Course Repeatability: Course may not be repeated. Additional Course Fees: ["None"]

MIT 414 - Foundations of Online Learning

Course Description:
This course overviews the concepts, technologies, and issues related to the design, development, delivery, policy-making, and evaluation of distance education courses and programs. Learn about online learning technologies and focus on techniques for teaching and learning within a distance education system.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

MIT 470 - Introduction to Gaming and Esports

Course Description:
Introduces learners to gaming and esports, the history, current state, and future. Students will identify how these industries are set up and managed. Students will learn about current leagues and games in both collegiate and professional esports, qualities of a game that makes it successful, describe how esports and games generate revenue, the relationship of gaming and esports and video games to education, and introduce them to the technology used in competition. Learners will also be introduced to the principles of leading, planning, and budgeting.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

MIT 471 - Esports Leadership, Development, and Coordination

Course Description:
Examination of principles of leading, planning, budgeting, and coordinating Esports events. Students will identify the positions needed to run an event, describe leaderships role in Esports, and learn how to design an arena/game area. They will learn how to develop a successful Esports program in educational and corporate settings.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

MIT 472 - Streaming audio and video for Esports and Gaming

Course Description:
Designed to explore the process of streaming audio and video for Esports events and gameplay. This includes identifying hardware, software, and techniques used professionally for streaming gameplay.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

MIT 473 - Esports Media and Content

Course Description:
Examines the role of public performance rights, ethics, fundraising/sponsorship, and peer communication have on Esports events. Learners will learn to connect with stakeholders, players, and the community via various technologies.
Credit Hours: 3 University Studies: "Building Competencies/Information Literacy" Course Repeatability: Course may not be repeated.

MIT 474 - Esports Coaching and Team Development

Course Description:
Examines how to implement strategy into Esports competition by focusing on coaching and mentoring for Esports teams, students, and those interested in the gaming. Learners will be able to construct teams for popular Esports games, learn players roles, and describe how to mentor individuals and teams to success.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

MIT 476 - Esports and Gaming Capstone

Course Description:
This course requires students to conduct a focused study of a research topic in the practical application of gaming and esports. Students will work under the guidance of one or more faculty members to select a topic, conduct research, and develop a written analysis and oral presentation.
Credit Hours: 3 Course Repeatability: No

MIT 498 - Esports Performance and Practice Internship

Course Description:
Internships are off- or on-campus experiences designed to provide learners with the opportunity to apply knowledge gained from courses to a professional work environment. Internships are completed under the guidance of an on-site supervisor and a faculty sponsor.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

SEC 200 - Teaching, Schools and a Global Society

Course Description:
Introductory course for licensure in secondary education. Emphasis on interpretation and evaluation of the development of public education in the United States using historical, sociological, cultural, and philosophical perspectives. Course examines the goals and purposes of education in a global context with particular attention to the education of students in grades 9-12.
Credit Hours: 3 Corequisite Courses:
SEC 210 and SEC 220
Additional Restrictions/Requirements:
Only open to students pursuing secondary licensure.
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SEC 206 - Inquiry-Based Learning

Course Description:
This course is designed to familiarize teacher candidates with the principles of inquiry-based learning and strategies and to provide opportunities for implementing inquiry-based learning instruction and projects in their classrooms. Students will gain hands-on experience developing collaborative, inquiry-based projects that support their curricular goals. The course is required for students who intend to complete the iSTEM minor with teaching licensure option.
Credit Hours: 3 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SEC 210 - Diverse Learners in Secondary Schools

Course Description:

Focus on teaching diverse learners in the high school classroom including students with disabilities, linguistically diverse individuals, students identified as academically gifted and talented, and students at risk for school failure. Instructional practices and classroom managment strategies that support all students in general education classes will be explored.

Credit Hours: 3 Additional Restrictions/Requirements:

Only open to students pursuing secondary licensure.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SEC 220 - Practicum Block I

Course Description:

Candidates will observe, participate, assist, tutor and teach in secondary classrooms. Emphasis is placed on the study of adolescent development with practical experiences in high school classrooms. Candidates will observe instruction including lesson planning, lesson implementation and assessment.

Credit Hours: 3 Corequisite Courses:

SEC 200 and SEC 210 .

Additional Restrictions/Requirements:

Only open to students pursuing secondary licensure.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:

Additional Course Fee Schedule

SEC 225 - iSTEM - Early Field Experience

Course Description:

This course must be taken with UNI-iSTEM 101. This section of the course focuses on interpretation and evaluation of the development of public education in the United States. Students are introduced to diversity issues in STEM education and are challenged to critically examine STEM education issues within the context of the public education and classrooms they visit. Criminal background check is required to visit schools.

Credit Hours: 1 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 1

SEC 305 - Diverse Learners in Secondary Schools

Course Description:

Focus on teaching diverse learners in the high school classroom including students with disabilities, culturally and linguistically diverse individuals, students identified as academically gifted and talented, and students at risk for school failure. Instructional practices and classroom management strategies that support the learning of all students in general education classes will be explored.

Credit Hours: 3 Corequisite Courses:

SEC 320

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SEC 305-iSTEM - Diverse Learners in Secondary Education

Course Description:

Corequisite: SEC 325-iSTEM . The course examines different theoretical perspectives on learning, cognition, and cognitive development. It also explores issues of diversity in the secondary schools' classroom. It sensitizes the pre-service teachers with necessary knowledge, skills, and disposition related to teaching diversity that fosters excellence in a culturally responsive environment. The course offers one module on learning and cognition and four modules on specific diverse populations: (1) multicultural groups regarding race, gender, and ethnicity, (2) English language learniners, (3) special needs learners in the mainstream classroom, and (4) students idenified as gifted. The last module is focused on reflection on observation of skilled teachers demonstrating appropriate instructional techniques.

Credit Hours: 3

SEC 310 - Curriculum Design and Learning Assessment

Course Description:

Course designed to provide conceptual tools and analytic skills essential for designing effective instructional activities that incorporate technology as well as providing tools for planning, implementing, and evaluating lessons.

Credit Hours: 3 Corequisite Courses:

SEC 320 .

Additional Restrictions/Requirements:

Only open to those pursuing secondary licensure.

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SEC 320 - Practicum Block II

Course Description:

Development of tutoring and instructional strategies to improve high school student literacy. Candidates will tutor and teach in a secondary classroom/tutoring center with an emphasis on multiple literacy skills.

Credit Hours: 3 Corequisite Courses:

SEC 210

Additional Restrictions/Requirements:

Only open to students pursuing secondary teaching licensure.

University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

SEC 325 - iSTEM - Student Teaching I

Course Description:

iSTEM - Student Teaching I is the co-planning/co-teaching practical experience for students seeking to become secondary STEM teachers. Candidates will be placed in secondary STEM classrooms and/or STEM centers with an emphasis on analyzing diverse learners and developing inquiry-based instruction as assigned.

Credit Hours: 1 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 1

SEC 325-iSTEM - Teaching Internship I

Course Description:

This course is required for students who are completing the integrated Stem with Teaching Licensure Minor. The iSTEM Teaching Internship I is the co-planning/co-teaching practical experience for students seeking to become secondary STEM teachers. Candidates will be placed in secondary STEM classrooms and/or STEM centers with an emphasis on analyzing diverse learners and developing inquiry-based instruction as assigned.

Credit Hours: 1 Corequisite Courses:

SEC 305-iSTEM

SEC 403 - Theory and Practice in Teaching Secondary English (9-12)

Course Description:

This course provides emphasis on theory, curriculum development, inquiry, critical thinking, classroom management, instructional strategies and selection of appropriate instructional materials for teaching secondary English. Successful planning and teaching practices with adaptations to diverse needs of students will be discussed and incorporated into coursework.

Credit Hours: 3 Corequisite Courses:

SEC 410 and SEC 421

Prerequisite Courses: SEC 305 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SEC 404 - Theory and Practice in Teaching Secondary Mathematics (9-12)

Course Description:

This course provides emphasis on theory, curriculum development, inquiry, critical thinking, classroom management, instructional strategies and selection of appropriate instructional materials for teaching secondary mathematics. Successful planning and teaching practices with adaptations to diverse needs of students will be discussed and incorporated into coursework.

Credit Hours: 3 Corequisite Courses:

SEC 410 and SEC 421

Prerequisite Courses: SEC 305 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 4

SEC 405 - Theory and Practice in Teaching Secondary Social Studies (9-12)

Course Description:

This course provides emphasis on theory, curriculum development, inquiry, critical thinking, classroom management, instructional strategies and selection of appropriate instructional materials for teaching secondary social studies. Successful

planning and teaching practices with adaptations to diverse needs of students will be discussed and incorporated into coursework.

Credit Hours: 3 Corequisite Courses:

SEC 410 and SEC 421

Prerequisite Courses: SEC 305 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SEC 406 - Theory and Practice in Teaching Secondary Science (9-12)

Course Description:

This course provides emphasis on theory, curriculum development, inquiry, critical thinking, classroom management, instructional strategies and selection of appropriate instructional materials for teaching secondary science. Successful planning and teaching practices with adaptations to diverse needs of students will be discussed and incorporated into coursework.

Credit Hours: 3 Corequisite Courses:

SEC 410 and SEC 421

Prerequisite Courses: SEC 305 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SEC 407 - iSTEM - Project Based Instruction and Assessment

Course Description:

This course addresses the distinctive features of project-based learning and the associated teaching practices. It will provide conceptual tools and analytic skills essential to designing and developing assessment to be applied in a secondary STEM instructional setting. Attention will be given to the essential components of projects, including challenging problems or questions, sustained inquiry, authenticity, student voice and choice, reflection, critique and revision, and public product. The teaching practices that will be addressed include planning, scaffolding student learning, managing activities, and building a culture of inquiry thorugh projects. Students will construct assessments that align with best practices in teaching inquiry-based and project-based design instruction.

Credit Hours: 3 Corequisite Courses:

SEC 421

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SEC 407-iSTEM - Project Based Instruction and Assessment

Course Description:

This course addresses the distinctive features of project-based learning and the associated teaching practices. It will provide conceptual tools and analytiv skills essential to designing and developing assessment to be applied in a secondary STEM instructional setting. Attention will be given to the essential components of projects, including challenging problems of questions, sustained inquiry, authenticity, student voice and choice, reflection, critique and revision, and public product. The teaching practices that will be addresses include planning, scaffolding student learning, managing activities, and building a culture of inquiry through projects. Students will construct assessments that align with best practices in teaching inquiry-based and project-based design instruction.

This course should be taken along with upper level discipline area courses with iSTEM desgination. It is required for students who are completing the iSTEM with Teaching Licensure minor.

Credit Hours: 3 Corequisite Courses:

SEC 425-iSTEM

SEC 410 - ESL Topics for Secondary Teachers

Course Description:

Corequisites: SEC 403 , SEC 404 , SEC 405 , or SEC 406 ; SEC 421 and SEC 422 [Inactive]. This course will introduce Secondary educators to the field of English as a second language and meeting the needs of students with limited formal schooling, long term English language learners and older language learners. Topics include cross-cultural communications, ESL methodology, assessment and curriculum adaptation.

Credit Hours: 3 Prerequisite Courses: SEC 205 [Inactive] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:

Additional Course Fee Schedule

SEC 421 - Student Teaching I (9-12)

Course Description:

Candidates will observe and teach in specific content area in secondary public

school classrooms.
Credit Hours: 3 Additional Restrictions/Requirements:
Only open to students pursuing secondary teaching licensure.
University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:
Additional Course Fee Schedule

SEC 425 - iSTEM - Student Teaching II

Course Description:
iSTEM Student Teaching II is the co-planning and co-teaching practical experience for students seeking to become secondary STEM teachers. Students will develop, teach and assess student learning in a secondary STEM classroom setting with an emphasis on project-based instruction.
Credit Hours: 3 Prerequisite Courses: SEC 407 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SEC 425-iSTEM - Teaching Internship II

Course Description:
The iSTEM Teaching Internship II is the co-planning and co-teaching practical experience for students seeking to become secondary STEM teachers. Students will develop, teach and assess student learning in a secondary STEM classroom setting with an emphasis on project-based instruction. This course is required for students who complete the iSTEM with Teacher Licensure minor. The course should be taken with upper level discipline area courses and SEC 407-iSTEM .
Credit Hours: 3 Corequisite Courses:
SEC 407-iSTEM

SEC 430 - Seminar-Leadership, Reflection and Management Practices

Course Description:
Development of instructional skills required for successful teaching with regard for the particular needs of the student's academic discipline. Emphasis is given to 1) acquisition of leadership qualities and characteristics, 2) professional documentation of reflective growth, and 3) integration of effective behavior management strategies.

Credit Hours: 3 Corequisite Courses:

SEC 431

Additional Restrictions/Requirements:

All professional core and specialty area courses, acceptance into the Watson School of Education, and a 2.70 GPA on all work attempted at UNCW.

University Studies: ["Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SEC 431 - Student Teaching - Secondary Education

Course Description:

Students will be assigned full-time, or equivalent, to practicum sites within their areas of specializations. Students will engage in a variety of supervised instructional activities, assuming increasingly wider responsibility for class instruction. Practica are offered in the following areas of specialization: biology, chemistry, English, geology, history, mathematics, music, physics, and social studies.

Credit Hours: 12 Corequisite Courses:

SEC 430

Additional Restrictions/Requirements:

As specified for SEC 430 .

University Studies: ["Building Competencies/Information Literacy", "Explorations Beyond the Classroom", "Common Requirements/Critical Reasoning"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 12 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link:

Additional Course Fee Schedule

SEC 432 - iSTEM - Student Teaching III

Course Description:

Students will be placed in STEM practicum sites and teach in their areas of specialization and licensure. Students will apply knowledge of content, pedagogy and research skills during the experience. They will demonstrate evidences of integrated STEM teaching and learning in a secondary setting. Students must achieve "met" in all areas of the Intern Performance Scale/Certification of Teaching Capacity to be recommended for iSTEM secondary licensure.

Credit Hours: 9 Corequisite Courses:

SEC 430

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 9

SEC 432-iSTEM - Teaching Internship III

Course Description:
Corequisite: SEC 430-iSTEM. Students will be placed in iSTEM practicum sites and teach in their areas of specialization and licensure. Students will apply knowledge of content, pedagogy and research skills during the experience. They will demonsstrate evidences of integrated iSTEM teaching and learning in a secondary setting. Students must achieve "met" in all areas of the Intern Performance Scale/Certification of Teaching Capacity to be recommended for iSTEM secondary licensure.
This course may be taken with capstone discipline area courses with iSTEM designation. Students who are taking this course must have been submiitted to Watson School of Education and have completed other requirements for this minor. Students must have and maintain a 2.70 GPA at UNCW to enroll and complete iSTEM Teaching Internship III.
Credit Hours: 9

SEC 435 - iSTEM - Education E-Portfolio and Reflective Seminar

Course Description:
The course supports students' professional growth and reflection throughout the internship. It focuses on planning and developing effective integrated STEM instructional strategies and assessing the impact of instruction on student learning. Emphasis is given to 1) acquisition of STEM leadership qualities and characteristics, 2) professional documentation of reflective growth, and 3) integration of effective classroom management strategies. This course also involves completing a research project conducted during the internship and developing an oral presentation of the project.
Credit Hours: 3 Corequisite Courses:
SEC 431
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

SEC 435-iSTEM - Education E-Portfolio and Reflective Seminar

Course Description:

The course supports students' professional growth and reflection throughout the internship. It focuses on planning and developing effective integrated STEM instructional strategies and assessing the impact of instruction on student learning. Emphasis is given to: 1) acquisition of STEM leadership qualities and characteristics, 2) professional documentation of reflective growth, and 3) integration of effective classroom management strategies. This course also involves completing a research project conducted during the internship an developing an oral presentation of the project.
This course is required for students who are completing the iSTEM with Teaching Licensure Minor.
Credit Hours: 3 Corequisite Courses:
SEC 432-iSTEM

TSL 265 - Culture, Advocacy and Policy for ESL Teachers

Course Description:
This course will introduce students to the field of English as a second language, including cultural, social, and political contexts of linguistic diversity from historical and critical perspectives. Topics include legal and administrative aspects of the field, including national and state regulations. A 10-hour participatory observation experience is required.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in Our Diverse Nation"] Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link: Additional Course Fee Schedule

TSL 312 - English Grammar for Teachers

Course Description:
This course is designed to explore language, English grammar, mechanics, and usage from a pedagogical perspective. Students will explore the structure of the English language with emphasis placed on how to teach grammatical concepts to others.
Credit Hours: 3 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

TSL 326 - Applied Linguistics for ESL

Course Description:

Students will analyze all aspects of the English language with emphasis on understanding the nature and structure of the language that English language learners bring into the classroom.

Credit Hours: 3 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

TSL 401 - Teaching English as a Foreign Language

Course Description:

Introduces students to the field of Teaching English as a foreign/international language abroad. This course is designed for people who wish to teach English abroad or tutor language learners in the US. Participants build an introductory foundation in EFL methods, cross-cultural communication and the structure of the English language.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

TSL 405 - English Learners with Special Needs

Course Description:

In this course, students will examine the process of identifying English language learners with special needs, including learning and social disabilities. They will also explore classroom strategies to help dually identified students improve academic outcomes.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

TSL 417 - Second Language Methods

Course Description:

Students will be introduced to the instructional cycle used with English language learners. Topics include the design and implementation of instruction. The course includes a 30 hour field experience component.

Credit Hours: 3 Prerequisite Courses:

EDN 316 [Inactive]

Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3 Additional Course Fees: ["Student Blanket Professional Liability Insurance"] Additional Fees Link: Additional Course Fee Schedule

TSL 418 - Assessment for English Language Learners

Course Description:
Students will address issues of assessment for non-native English speakers. Topics include classroom assessment, program evaluation, language proficiency assessment, and standardized assessment.
Credit Hours: 3 Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

TSL 425 - Introduction to Dual Language/Immersion Programs

Course Description: Introduction to the field of Dual Language and Language Immersion programs. This course is designed to introduce students to the history and philosophy of dual language and language immersion education. Credit Hours: 3 Corequisite Courses: None Prerequisite or Corequisite Courses: None Prerequisite Courses: None Additional Restrictions/Requirements: None Course Repeatability: Course may not be repeated. Major Restriction: None Minor Restriction: None

TSL 470 - ESL Topics for non-ESL teachers

Course Description:
This course will introduce K-12 educators to the field of English as a second language, including issues of cross-cultural communication, ESL methodology, assessment and curriculum adaptation. A 10-hour field experience is required.
Credit Hours: 3 Crosslisting:
EDN 507 .
Course Repeatability: Course may not be repeated. Maximum Repeatable Hours: 3

WLD 300 - Effective Communication in Workforce Learning Development

Course Description:
This course is designed to provide a foundation in effective written and oral communication techniques for workforce training and development professionals that introduces associated theories and practical applications of those theories such as formation of job aides, resumes, e-mail, social media, memoranda, letters, applying for grants, proposals, and reports. Nonverbal and intercultural communications are emphasized.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

WLD 305 - Emotional Intelligence in Training and Development

Course Description:
Designed to investigate the role of emotional intelligence for understanding, assessing, and regulating your emotions, interpreting the verbal and nonverbal behavior of learners, and adjusting behavior and instruction in relation to learners.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

WLD 310 - Global Organizational Learning & Development

Course Description:
Designed to develop an appreciation for the abilities, insights, and ideas of all individuals. Emphasis will be on working effectively with diverse populations, recognizing the need to address format, availability, styles, abilities, motivations, and/or backgrounds when providing learning and development solutions across and within borders and cultures.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in a Global Society"] Course Repeatability: Course may not be repeated.

WLD 315 - Foundations of Adult and Workforce Education

Course Description:
Designed to investigate historical, economic, psychological, and education foundations of post-secondary, vocational, adult training and re-training, and workforce learning programs. Will address who participates in workforce education, why they participate, and how andragogy influences the delivery of workforce education.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Understanding Human Institutions and Behaviors"] Course Repeatability: Course may not be repeated.

WLD 320 - Coaching and Talent Development

Course Description:
Designed to develop knowledge, skills, and dispositions for organizational leaders in talent management, workforce development, career development. Introduces concepts related to career and adult development theory and coaching strategies to

achieve performance and goal success at an individual, group, and organizational levels.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

WLD 325 - Facilitation and Presentation in Learning & Development

Course Description:
Designed to research and discover effective facilitation skills in adult education and workplace environs, including the nature of groups, group dynamics, effective planning, role clarification, identifying intervention points, & effective tools and techniques useful in building consensus around a topic, using effective questioning skills to guide participants toward action, and developing effective methods for addressing conflicts among participants.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

WLD 330 - Instructional Strategies for Workforce Learning & Development

Course Description:
Designed to develop knowledge of adult learning theories and concepts and their application to the instructional process/strategies with adults**.** Understand andragogy, strategies, materials, implementation, and delivery of learning activities with adults**.**
Credit Hours: 3 Course Repeatability: Course may not be repeated.

WLD 335 - Diverse Learners in the Workforce

Course Description:
Designed to effectively explore, recognize, and understand diversity in work settings and how that understanding is used to meet the unique learning needs and identify the opportunities for collaborative efforts.
Credit Hours: 3 University Studies: ["Approaches and Perspectives/Living in a Diverse Nation"] Course Repeatability: Course may not be repeated.

WLD 340 - Introduction to Organizational Development

Course Description:

Designed to develop an understanding of the practices used to diagnose organizational needs and subsequent organization interventions and improvements within the workforce.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

WLD 359 - Work Experience in Workforce Learning & Development

Course Description:
Credit granted for past work experience in the area of workforce learning and development while employed in business & industry, non-profit, government service, or military organizations. Students will be required to develop a portfolio of their experiences. Instructor approval needed.
Credit Hours: 1 To 12 Additional Restrictions/Requirements:
Instructor approval.
Course Repeatability: Course may not be repeated.

WLD 375 - Principles of Adult and Workforce Learning and Development

Course Description:
Designed to explore basic theories of adult learning and instruction as they relate to the learner, the workplace and the social context. Develop an understanding of basic adult learning and instruction principles including design and delivery of education**.**
Credit Hours: 3 Course Repeatability: Course may not be repeated.

WLD 380 - L&D Program Development

Course Description:
Designed to develop a systematic approach to assessing employment and training needs, developing curriculum, assessing organizational and community-based resource needs and measuring impact.
Credit Hours: 3 University Studies: ["Building Competencies/Information Literacy"] Course Repeatability: Course may not be repeated.

WLD 391 - Occupational Learning & Development

Course Description:

Credit granted for past professional development in the area of workforce learning and development while employed in business & industry, non-profit, government service, or military organizations. Students will be required to develop a portfolio of experiences. Instructor approval required.

Credit Hours: 1 To 12 Additional Restrictions/Requirements:

Instructor approval.

Course Repeatability: Course may not be repeated. Major Restriction: Workforce Learning and Development

WLD 400 - Principles of Instructional Design

Course Description:

Designed to provide an analysis of theoretical foundations of instructional design and application in design practice. The course will examine multidisciplinary and multicultural influences upon instructional theory and development. A broad range of current design research and theory and future directions in design theory and practice will be explored.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

WLD 401 - Motivation in Workforce Learning & Development

Course Description:

Reviews and analyzes theories of motivation in relation to instructional design strategies. The primary emphasis is on the motivation to learn and techniques for stimulating and sustaining learner motivation.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

WLD 402 - Performance Improvement in Learning & Development

Course Description:

Designed to introduce the field of human performance technology (HPT) through examination of basic concepts and principles of human performance, human performance system models, various approaches to solving human performance problems and how they can be applied to the field of workforce L&D.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

WLD 403 - Introduction to Computer Programming in Learning & Development

Course Description:

Designed to study computer programming as a problem-solving tool applied to real world workforce development problems, with solutions designed and implemented in various programming and scripting languages.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

WLD 405 - Fundamentals of Learning in Workforce Learning & Development

Course Description:

Exploration of the workplace as a learning environment, with a focus on the social and political dynamics of diverse learners and workplace learning communities.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

WLD 410 - Designing & Developing Learning & Development Programs

Course Description:

Emphasis on the foundation of understanding roles of learning, training and development in workplace settings, and systematic and evidence-based approach for designing and managing quality L&D programs in the workplace. The course will research concepts, knowledge and skills to access, design, develop, deliver and evaluate trainng programs as the apply to workplace learning and development.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

WLD 411 - Multimedia-based Instructional Design for Workforce Learning & Development

Course Description:

Focuses on cognitive learning theory, perception, motivation, color principles, communication, usability, multimedia learning principles and instructional design applicable to designing multimedia instructional products. Students will learn to design, develop, and evaluate multimedia applications for workforce development.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

WLD 412 - Instructional Technology Integration for Learning & Development

Course Description:

Provides workforce development professionals the knowledge and skills related to application and integration of computer and information technologies to workforce learning and development environment.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

WLD 413 - Technology-based Applications in Learning & Development

Course Description:

Students will learn to design, develop and evaluate interactive computer, video, and mobile-based instructional programs that address workplace instructional needs using a systematic instructional design process.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

WLD 414 - Online Learning Fundamentals

Course Description:

Designed to examine the concepts, technologies, and issues related to the design, development, delivery, policymaking, and evaluation of online courses and programs.

Credit Hours: 3 Course Repeatability: Course may not be repeated.

WLD 415 - Web-based Teaching for Working Learners

Course Description:

Focus on principles of designing Internet-based (web-based) instruction. Explore the use of Internet tools and other instructional design principles to design and develop web-based instruction. Develop knowledge and skills on how to create an interactive online learning environment based in principles of andragogy and how to design, develop, deliver, and manage online or web-based instruction. Examine the theory,

practice, and technology related to web teaching and learning. Recognize the differences between face-to-face and online learning environments, select appropriate strategies for the design and delivery of a pedagogically sound online instruction.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

WLD 416 - Design & Production of Instructional Video for L&D

Course Description:
Designed to develop an understanding of the process and techniques involved in professional video productions.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

WLD 417 - Games, Simulations, and Puzzles in WLD

Course Description:
Explore the process of designing games, simulations, and virtual environments for teaching and learning. Analysis of design and use of commercial games and simulations to identify technical, practical, and pedagogical limitations. Explore a variety of engine software and various methodologies for building and evaluating gaming models.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

WLD 418 - Learning Management Systems in Workforce Learning & Development

Course Description:
Address administrative, management and tracking aspects of online courses. Emphasizes managing enterprise level Learning Management System (LMS), SCORM compliant and processes for launching courses authored in all standard course-authoring tools. Cover a variety of topics related to LMS, including key terms and definitions as well as the LMS management process.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

WLD 419 - Computer Interface Design

Course Description:
Explore image-editing techniques (Beginner to advanced) while simultaneously

investigating the principles of human-computer interaction. Focuses on designing visually pleasing interfaces for PC, tablet, and mobile devices. Introduces theories of interface design and how to apply them in various settings through raster and vector image editing software.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

WLD 420 - Organizing and Directing Instructional Development

Course Description:
Examination of principles of planning, scheduling, allocating resources, budgeting, proposal preparation, cost control and personnel management for instructional projects. Students negotiate an effective design project plan, how to implement that plan, and how to control and monitor project activities. Case studies will be used as a basis for exercises and discussions. Each student will develop a plan that meets specific criteria.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

WLD 421 - Diffusion in Learning & Development

Course Description:
Review of the diffusion process by introducing essential concepts and reviewing contemporary theoretical developments. Emphasis will be placed on diffusion and social network analysis as applied to workforce development.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

WLD 422 - Organization and Management of Workforce Learning Development Programs

Course Description:
Focus on principles of designing Internet-based (web-based) instruction. Explore the use of Internet tools and other instructional design principles to design and develop web-based instruction. Develop knowledge and skills on how to create an interactive online learning environment based in principles of andragogy and how to design, develop, deliver, and manage online or web-based instruction. Examine the theory, practice, and technology related to web teaching and learning in the working environment. Recognize the differences between face-to-face and online learning environments, select appropriate strategies for the design and delivery of a

pedagogically sound online instruction.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

WLD 430 - Appraising Organizational Change in Workforce Learning and Development

Course Description:
Designed to provide an introduction to evaluation techniques associated with educational evaluation media and materials, courses, curricula, students or other elements in educational programs. Various units of the course will focus upon particular evaluation techniques.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

WLD 431 - Assessing Learning Outcomes

Course Description:
Examination of the nature and purpose of measurement and assessment of learning outcomes. Particular attention is paid to the concepts of reliability, validity, norms, interpretation of scores, response sets, fairness in testing and performance assessment, and norm referenced vs. criterion referenced tests. A variety of instruments that are used to measure or assess human attributes and behaviors are studied.
Credit Hours: 3 Course Repeatability: Course may not be repeated.

WLD 480 - WLD Capstone

Course Description:
Designed to provide students opportunities to investigate problems in workforce learning and development through an on-site experience. Special approval needed from the instructor. Restricted to Workforce Learning and Development majors.
Credit Hours: 3 Additional Restrictions/Requirements:
instructor approval.
University Studies: ["Explorations Beyond the Classroom"] Course Repeatability: Course may not be repeated. Major Restriction: Workforce Learning and Development

WLD 498 - WLD Internship

Course Description:

Provides the student with an opportunity to gain knowledge and skills from a planned work experience in workforce learning and development. Students will meet learning outcomes developed jointly with the site supervisor. Internship placements provide learning experiences not available in the classroom setting. internships provide entry-level, career-related experience and workplace competencies that employers value when hiring new employees.
Credit Hours: 3 Additional Restrictions/Requirements:
Must be approved by the instructor.
Course Repeatability: Course may not be repeated.

Applied Behavior Analysis and Developmental/Intellectual Disabilities Minor

Applied Behavior Analysis and Developmental/Intellectual Disabilities Minor

The College of Science and Engineering and the Watson College of Education offer an interdisciplinary minor in Applied Behavior Analysis and Developmental/Intellectual Disabilities. This minor provides students with the opportunity to develop an understanding of the fundamentals of behavior analysis with an emphasis on how these principles are applied, for example, to individuals with intellectual disabilities such as autism, in schools, etc. The curriculum, reflecting the interdisciplinary nature of the field, will include coursework from the department of psychology and the special education program. Students should contact one of the Minor coordinators for more information.
Requirements for a Minor: All students must complete four required core courses (12 hrs), one required field experience course (3 hrs), a required advanced topic (3-4 hrs), and 3 hours of approved electives for a total of 21-22 hours. At least 9 hours must come from courses outside the student's major.

Educational Studies Minor

Educational Studies Minor

Watson College of Education offers an interdisciplinary minor in Educational Studies for students in all majors who are interested in issues of education but do not wish to pursue teacher licensure. The minor draws on a wide range of disciplines such as history, philosophy, sociology, anthropology, political science, gender and cultural studies, and comparative and international studies. Students will develop a knowledge base that encourages their development into informed and socially engaged stakeholders who have essential skills to critically engage in research, education, and diverse communities. Students will complete 21 hours for the minor - 12 hours in Education and 9 hours of elective credit.

Leadership Studies Minor

Leadership Studies Minor

The Watson College of Education offers an interdisciplinary minor in leadership studies for students in all majors. This minor provides students with an understanding of leadership theory and practice from multidimensional perspectives. Opportunities to engage in leadership experiences and challenges in a variety of contexts are also provided. Students complement core requirements with courses in a variety of academic disciplines. Students should contact the coordinator in the Watson College of Education for additional information.

LED 414 - Leadership and Advocacy in Young Adult Literature and Film

Course Description:
Explore leadership and advocacy through the perspectives of young adult literature and film. A focus on the foundations of leadership theory, with guiding frameworks and approaches to leadership, allows students to start identifying their own strengths and abilities to impact positive change.
Credit Hours: 3 Course Repeatability: No

Online Teaching and Learning Minor

Teaching English as Second Language Minor

–Watson College of Education

Faculty Emeriti

For a list of active UNCW faculty members, please visit individual department pages at https://uncw.edu/.

Faculty Emeriti

A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z

Sheila A. Adams, Ph.D., *associate professor emerita of management*

Louis Henry Adcock, Ph.D., *professor emeritus of chemistry*

Gur Suran Adhar, Ph.D., *professor emeritus of computer science*

W. Frank Ainsley, Ph.D., *professor emeritus of geography*

Franklin H. Allen, M.S., *associate professor emeritus of biology*

Walser H. Allen, M.A., *associate professor emeritus of history*

Ferenc Altrichter, Ph.D, *professor emeritus of philosophy and religion*

Arvid Asa Anderson, Ph.D., *associate professor emeritus of marketing*

John M. Anderson, Ph.D., *professor emeritus of management information systems*

James Applefield, Ph.D*., professor emeritus of education*

Robert W. Appleton, M.B.A., *associate professor emeritus of accountancy*

William Atwill, Ph.D., *associate professor emeritus of Spanish*

Joseph C. Awkard, Jr., Ed.D., *professor emeritus of psychology*

Saul Bachner, Ph.D., *professor emeritus of education*

Ravija Badarinathi, Ph.D., *professor emeritus of quantitative methods*

Daniel G. Baden, Ph.D., *executive principal emeritus of marine biotechnology in North Carolina (MARBIONC)*

Jack D. Baker, Ph.D., *associate professor emeritus of accountancy*

Anne Barksdale, M.S., *assistant professor emerita of business*
Cathy L. Barlow, Ed.D., *professor emerita of educational leadership*
Paz I. Bartolome, Ph.D., *professor emerita of education*
James Rush Beeler, Ph.D., *professor emeritus of French*
Mary Dixon Bellamy, M.A., *assistant professor emerita of German*
John P. Bennett*,* Ed.D*, professor emeritus of physical education*
Herb Berg, Ph.D*., professsor emeritus of international studies*
Anne Berkeley, Ph.D*., associate professor emerita of theatre*
Kathleen Berkeley*,* Ph.D., *professor emerita of history*
David R. Berman, Ph.D., *professor emeritus of computer science*
Walter C. Biggs, Ph.D., *professor emeritus of biology*
Delilah B. Blanks, Ph.D., *assistant professor emerita of social work*
Robert Blundo*,* Ph.D., *professor emeritus of social work*
Williams Bolduc, Ph.D., *professor emerit of communication studies*
Eric G. Bolen, Ph.D., *professor emeritus of biology*
Perri J. Bomar, Ph.D., *professor emerita of nursing*
Frank Bongiorno, D.M*., professor emeritus of music*
Mark Boren, Ph.D. *professor emerit of English*
Robert Boyce, Ph.D*., associate professor emeritus of exercise science*
Michael Bradley, Ed.D., *professor emeritus of psychology*
Ralph Bradley, M.I.M*., senior lecturer emeritus of computer science*
Ralph W. Brauer, Ph.D., *professor emeritus of marine physiology*
Candice Bredbenner, Ph.D., *associate professor emerita of history*
William Jasper Brooks, M.A., *director emeritus of athletics*
Robert T. Brown, Ph.D., *professor emeritus of psychology*
Thomas P. Brown, M.A., *assistant professor emeritus of mathematics*
Deborah Brunson, Ph.D*., professor emerita of communication studies*
William A. Bryan, Ed.D., *professor emeritus of education*
Dr. Robert Buerger, Ph.D*., professor emeritus of environmental sciences*
Susan Bullers, Ph.D*., professor emerita of sociology*
Grace M. Burton, Ph.D., *professor emerita of education*
Robert H. Byington, Ph.D., *professor emeritus of English*
Charles L. Cahill, Ph.D., *professor emeritus of chemistry*
Maria Cami-Vela, Ph.D. *professor emerit of Spanish*
Edward "Eddie" Caropreso, Ph.D., *associate professor emerit of education*
Denis G. Carter, Ph.D., *associate professor emeritus of economics*

William J. Cleary, Ph.D., *professor emeritus of geology*

John Clifford, Ph.D*., professor emeritus of English*

Sue Ann Cody, M.L.S., *associate librarian emerita*

Sue Combs, Ph.D., *professor emerita of physical education and health*

Patricia A. Comeaux, Ph.D., *professor emerita of communication studies*

Harry Allen Comeskey, D.B.A., *assistant professor emeritus of finance*

Ann Conner, Ph.D., *professor emerita of art and art history*

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James A. Dockal, Ph.D., *professor emeritus of geology*

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William (Woody) Hall, Ph.D.*, professor emeritus of economics*

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Roger Lowery, Ph.D., *professor emeritus of public and international affairs*
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Sandra C. McLaurin, Ph.D., *professor emerita of mathematics*
James P. McNab, Ph.D., *professor emeritus of French*
Stephen McNamee, Ph.D*., professor emeritus of sociology*
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R. Terry Mount, Ph.D., *professor emeritus of Spanish*

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William Madison Randall, Ph.D., *president emerit*

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William Sackley, Ph.D. *professor emerit of finance*
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Rebecca Sawyer, Ph.D*., assistant professor emerit of accountancy and business law*
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Katie Schlichting, Ph.D. *professor emerit of education*
Eloise Scott, M.A., *assistant professor emerit of mathematical sciences*
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Gerald H. Shinn, Ph.D., *professor emerit of philosophy and religion*
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Ronald Sizemore, Ph.D, *professor emerit of biology and marine biology*
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Robert W. Smith, Ed.D, *professor emerit of education*
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Marcee Steele, Ph.D., *professor emerit of education*

Betty Holden Stike, M.A., *assistant professor emerit of education*

Curt Stiles, Ph.D., *associate professor of management*

John L. Stokes III, Ph.D., *professor emerit of English*

Sally A. Sullivan, Ph.D., *associate professor emerit of English*

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John Taggart, Ph.D*., professor of emerit of biology and marine biology*

Gene Tagliarini, Ph.D., *professor emerit of computer science*

Carole E. Tallant, Ph.D., *professor emerit of communication studies*

Paul A. Thayer, Ph.D., *professor emerit of geology*

Carol Chase Thomas, Ph.D., *professor emerit of education*

Peter N. Thomas, Ph.D., *professor emerit of Spanish*

Carmelo Tomas, Ph.D*., professor emerit of biology and marine biology*

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Fred Toney, Jr., Ph.D., *professor emerit of mathematical sciences*

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Patricia Turrisi, Ph.D*., associate professor emerit of philosophy and religion*

Robert E. Tyndall, Ph.D., *professor emerit of education*

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Richard C. Veit, Ph.D., *professor emerit of English*

Renee Vincent, Ph.D*., professor emerit of theatre*

Angela Wadsworth, Ph.D., *senior lecturer emerit of sociology*

William H. Wagoner, Ph.D., *chancellor emerit*

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Barbara Waxman, Ph.D*., professor emerita of English*

Michael Wentworth, Ph.D*., professor emeritus of English*

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Cecil Willis, Ph.D.*, professor emeritus of sociology*
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Joe B. Wilson, Ph.D., *associate professor emeritus of philosophy and religion*
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George Zervos, Ph.D., *professor emeritus of philosophy and religion*

Special Academic Programs

Distance Education Programs

https://www.uncw.edu/online

The Division of Academic Affairs administers the university's distance education programs.

Undergraduate Programs

• Clinical Research, B.S. (Online)
• Criminology, B.A. (Online)
• Elementary Education, B.A. (Online)
• Interdisciplinary Studies, B.A. (Online)
• International Studies, B.A. (Online)
• Middle Grades Education, B.A. (Online)
• Bachelor of Science in Nursing, B.S.N. (Accelerated Online)
• Respiratory Therapy B.S. RRT-BSRT (Accelerated Online)
• Social Work, B.S.W. HS2SW (Online)
• Workforce Learning and Development, B.S. (Accelerated Online)

Minors

• Clinical Research Minor (Online)
• Online Teaching and Learning Minor (Online)
• Yoga Studies Minor (Online)

The Admissions Office receives applications for admission to all undergraduate extension/distance education programs.

Information concerning distance education courses may be obtained by contacting;

Admissions Office at UNCW
601 South College Road
Wilmington, NC 28403-5950
Phone (910) 962-3243

or by visiting https://www.uncw.edu/admissions or email admissions@uncw.edu.

Joint Programs

Pre-Professional Programs - Pre-Health and Pre-Law

Center for Academic Advising and the College of Health and Human Services jointly offersPre-Professional Programs including one-on-one advising, programming and courses for all students interested in pursuing a graduate degree in legal education or admission to a professional school of health. Advisors are available by appointment or during drop-in hours and can assist students with navigating application timelines, requirements, and program prerequisites.Students are encouraged to get involved with volunteer opportunities, leadership roles in campus clubs and organizations, and take advantage of the Pre-Professional Programs' curricular programs and workshops that are offered to enhance their candidacy for graduate programs. Students can self-identify their interest in Pre-Professional Programs electronically by logging into MySeaport. For more information regarding pre-professional advising at UNCW, visit the Pre-Professional Programs website atwww.uncw.edu/preprofessionalor call (910) 962-3245.

Pre-Health

Students who are considering graduate programs inAllopathic

Medicine,Chiropractic, Dentistry, Occupational Therapy, Optometry,Osteopathic Medicine, Pharmacy, Physical Therapy,Physician Assistant, Podiatry,Public Health, and Veterinary Medicine are considered pre-health students. Pre-Health is not a major and students are not required to major in science to pursue a pre-health profession. While many students pursue majors in the natural sciences, they do so because of their interest in those fields rather than strictly to prepare for graduate school. Students can choose to declare any major and remain eligible for graduate school as long as the student satisfies the prerequisite courses necessary for admission.

Undeclared students with less than 24 credit hours can find course recommendations available on the Pre-Professional Programs website: athttps://uncw.edu/preprofessional/prehealth/iDeclndex.html.

Declared students with 24 or more credit hours can find more information about Pre-Health Programs as well as setting an appointment with a Pre-Health Coach on the Pre-Health Programs website at:https://uncw.edu/academics/colleges/chhs/pre-health/

Pre-Law

Students who plan to prepare for law school may select a major in any discipline that fulfills the requirements for a baccalaureate degree at UNCW. The College of Humanities, Social Sciences, and the Artsoffers a pre-law minor designed to prepare students with the foundational knowledge, critical thinking abilities, and other essential skills to success in the field of law.

Students should be aware of the Association of American Law Schools' recommendation to identify basic skills and insights it believes fundamental to the later attainment of legal competence. These are (a) comprehension and expression in words; (b) critical understanding of human institutions and values with which the law addresses; and (c) creative power in thinking. In order to develop these capacities, the association recommends a pre-legal education of the "broadest scope." To accomplish these goals, UNCW offers a wide range of pre-law courses. Regardless of the major, the pre-law student should be zealous in the selection of electives that will facilitate critical understanding of economic, political, and social institutions. Additional recommendations are available on the Pre-Professional Programs website athttps://uncw.edu/academics/advising/university-college/student-

populations/preprofessional/

Addendum

This addendum to the Academic Catalogue is a formal compilation of updates or corrections on information in the original publication. It ensures the catalogue remains accurate and current.

Greetings from the Chancellor and Board of Trustees Chair

Catalogue Change: 6/25/2025
The original publication of this catalogue did not include an updated letter of greeting from the Chancellor for the 2025-26 Academic Year. A letter was furnished and added on 6/25/2025.

University Regulations

Addition:
Credit for Prior Learning provides transfer credit in recognition of previously completed academic and non-academic college level learning. There are several methods of receiving UNCW credit for academic work previously completed or for acquired but academically uncredited knowledge and experience. The categories of credit that may be granted include:

- Transfer Credit from a 2-year or 4-year College or University
- Examination
- Military Education and Training
- Certification or Licensure
- Industry or Corporate Experience
-

Transfer Credit from a 2-year or 4-year College or University

Students transferring to UNCW from another accredited college or university submit their transcripts to the Office of Admission as part of the application process. Credit will be awarded for all transferable courses earned at another institution for which a grade of C or better is earned and all official agreements will be followed (e.g. Comprehensive Articulation Agreement). Students may submit an appeal of their transferred credits through the Registrar's Office. To graduate, students must meet the university's Residency Requirement (see policy). Hours attempted, and grade points earned at other institutions are not used in calculating grade point averages.Transfer credit is used in evaluating eligibility for "Degrees with Distinction." Colleges and Schools may have more restrictive limits based on the needs of the degree programs as published in thecatalogue.

Examination

Credit by examination is available at UNCW for undergraduate students in the following circumstances:

1. Advanced Placement Exam: Students may receive credit by examination for achieving acceptable scores on a variety of Advanced Placement exams offered through the College Entrance Examination Board. A website listing of the examinations, required minimum scores, course equivalents, and credits awarded is available online athttp://www.uncw.edu/reg/transfercredit-examAP.htm. Incoming students should have the score reports sent to the Office of Admissions for evaluation concerning placement and credit. Individual departments have determined the specific courses for which credit will be given.
1. International Baccalaureate Exam: Students may receive credit by examination for achieving acceptable scores on the "High Level" International Baccalaureate (HL IB) examinations. A student who earns the minimum required score or better on

the International Baccalaureate examinations will receive appropriate college credit. A website listing of the examinations, required minimum scores, course equivalents, and credits awarded is available online athttp://www.uncw.edu/reg/transfercredit-examHLIB.htm. Incoming students should have the score reports sent to the Office of Admissions for evaluation concerning placement and credit. Individual departments have determined the specific courses for which credit will be given.

1. AP and IB Exam Credit Revocation: Students can revoke Advanced Placement and International Baccalaureate credits earned in high school with approval from a Dean or designee of the student's College unless a higher- level course for which it is a prerequisite has been successfully completed. Students who choose to revoke credit for a course may not subsequently receive credit by examination for that course. The decision to revoke credit is final and students must consult with their academic adviser before making the request.
1. College Level Examination Program (CLEP): Students may receive credit for a variety of courses by achieving a passing score on one of the College-Level Examination Program (CLEP) tests. Students can register for the offered tests at University Testing Services,https://uncw.edu/testingservices/national/index.html. Students should have the score reports sent to the Registrars Office for evaluation concerning placement and credit. Individual departments have determined the specific courses for which credit will be given.
1. Cambridge International Examination: Students achieving acceptable scores on the Cambridge International Examination (CIE) and/or Cambridge Advanced International Certificate of Education (AICE) Diploma may be eligible for credit. A website listing of the A and/or AS Level subject examinations, required grade, and credits awarded is available athttps://uncw.edu/reg/transfercredit-examCIE.html. Examination grades should be sent to the Office of the Registrar. Individual departments continue to review and determine appropriate credit awarded for each subject.
1. College Exemption: Students who have been exempted with credit from courses at an accredited college or university may be exempted with credit from appropriate courses at the University of North Carolina Wilmington. When the

exemption is based on a test result, the student should have a copy of the score report sent to the Office of Admissions for evaluation concerning placement and credit

1. Challenge Exams: In cases in which a student has demonstrated knowledge of a particular field by more advanced course work or experience, exemptions may be granted on an individual basis by the appropriate department chairperson. Such credit may involve satisfactory performance on a department-designed examination or project.

Military Education and Training

UNCW awards credit for courses taken while enlisted in the armed forces. An official military course transcript is required to conduct credit evaluation. A Joint Services Transcript, Community College of the Air Force, or in some cases education through the Department of Defense schools not recorded on other transcripts are accepted for credit. Contact the Office of Admissions for further information (admissions@uncw.edu).

Certification or Licensure

Students who have received industry-recognized credentials or designations obtained through certification exams may be eligible to receive academic credit. Programs determine which certifications or professional training programs qualify for academic credit. An eligible certification is defined as an industry-recognized credential or designation that is obtained once a student has successfully passed a certification exam. Certification differs from licensure in that it validates specific industry-valued competencies rather than serving as a legal requirement for practicing a profession. The Office of the Registrar in conjunction with academic colleges is developing a list of industry certifications. Final determination of credit awards is made within the academic program, and it is the student's responsibility to verify their eligibility and provide the necessary documentation for consideration. No more than 30 credit hours may be awarded through the portfolio assessment

process and/or certifications or licensure credit and all limitations on transfer credit remain in place. See Residency Requirement and Requirements for Graduation.

Industry or Corporate Experience

Students with previous Industry or Corporate work experience may be eligible for academic credit based on their work experience. Eligible experiences include non-collegiate instructional programs, such as, but not limited to, those for apprenticeships and workplace training that demonstrate competencies required relevant to degree or certificate completion. To qualify, students must successfully complete an approved portfolio development course, document the industry or corporate experience as part of the course, and submit the portfolio to the appropriate academic department for review. However, completing the course does not guarantee that academic credit will be awarded. Final determination of credit awards is made by the academic program. Students are responsible for confirming, in advance, whether their program grants credit for work experience before enrolling in an approved portfolio development course.

Portfolio Assessment

Students may earn credit for non-academic credentials and/or prior work experience through enrollment in an approved portfolio development course. This program, which requires the completion of a portfolio or portfolios, respects and honors learning that is gained through work, volunteering, or other life experiences or accomplishments. Course credit may be awarded to students who create portfolios to demonstrate they have learned similar materials through experience that other students learn in the classroom. Program directors, department chairs or their faculty designees review the portfolios to determine whether the student should receive credit.

All students seeking to earn Credit by Portfolio Assessment from UNCW must be enrolled UNCW students and must enroll in and successfully complete a UNCW Portfolio Development course. Only portfolios, created by students enrolled in an approved UNCW Portfolio Development course and demonstrating experiences that

match the learning outcomes of a UNCW course, can be evaluated by UNCW faculty for credit. Individual departments will set criteria for the consideration of any such credit and retain full discretion within established credit hour limits. No more than 30 credit hours may be awarded through the portfolio assessment process and/or certifications or licensure credit and all limitations on transfer credit remain in place. See Residency Requirement and Requirements for Graduation. Contact the Office of Admissions for further information (admissions@uncw.edu).

Catalogue Change: 6/30/2025
The original publication of this catalogue and the University Regulations page did not reflect the revised university policy on Credit for Prior Learning, which was approved by Faculty Senate Motion No. 2025-05-01 during the 2024–25 academic year and is set to take effect in Fall 2025.

The Campus & Student Life

Addition to:

Student Awards

Some of the organizations listed below are registered with the university through the Campus Activities & Involvement Center as student organizations. For more information about those honor societies, please visit https://uncw.campuslabs.com/engage/organizations

A. Farrell Teague Merit Scholarship for Rising Seniors (Junior)

The Teague Scholarship was created by Arthur Farrell Teague and is used to assist rising seniors who have achieved a high level of academic and extracurricular success during their time at UNCW. Every year a recipient is chosen as the recipient of "The Teague Award." The scholarship is considered a merit scholarship and the recipient will be selected on demonstrated academic ability and special achievement, and must have a comprehensive GPA above 3.5. The scholarship is presented annually at the Division of Student Affairs Cornerstone Awards Banquet.

Adrian D. Hurst Award

Established by Adrian D. Hurst, emeritus professor of mathematics, this award recognizes a

UNCW junior or senior math major who has achieved the highest overall academic grade point average. The award is presented each spring in the form of a plaque.

Biological Sciences Achievement Award

This award was established by the faculty of the Department of Biology and Marine Biology to honor annually the graduating senior biology major who has achieved the highest academic standing. The recipient is identified on a permanent plaque in Friday Hall.

Distinguished Engagement Award (Junior or Senior)

The Distinguished Engagement Award is presented to a select group of junior, senior, and transfer students who have made a significant contribution to UNCW over the course of their undergraduate experience. Recipients must be in good standing with the university and possess a minimum cumulative GPA of 2.75. The award is presented annually at the Division of Student Affairs Cornerstone Awards Banquet.

Excellence in Engagement Award (Sophomore or Junior)

The Excellence in Engagement Award is presented to a select group sophomore, junior, and transfer students for outstanding contributions to improving the quality of student life during their time at UNCW. Recipients must currently be in good standing with the university and possess a minimum cumulative GPA of 2.75. The award is presented annually at the Division of Student Affairs Cornerstone Awards Banquet.

Hoggard Medal For Achievement

"The Hoggard Medal" presented through the generosity of the late Dr. John T. Hoggard, is awarded annually to one graduating senior who, in the opinion of the faculty, has shown the most improvement during their years at the university. The award is presented annually at the Division of Student Affairs Senior Excellence Luncheon.

Margaret Walthour Lippitt Scholarship

The New Student Leader Award is designed to honor a first-year student with a 3.00 GPA or higher who has demonstrated leadership potential, service to UNCW and the community, personal integrity, and significant involvement in campus organizations. The scholarship is presented annually at the Division of Student Affairs Cornerstone Awards Banquet.

Martha M. Duncan Scholarship (Sophomore or Junior)

The Martha M. Duncan Scholarship is presented to one sophomore or junior student. The recipient

must be in good standing with the university and possess a minimum cumulative GPA of 3.00. The recipient serves as a "LEAD Fellow" for Student Involvement and Leadership in the department of Campus Life for their scholarship year. The scholarship is presented annually at the Division of Student Affairs Cornerstone Awards Banquet.

Rachel Freeman Service Leadership Award

The Freeman Award, established in honor of the late Mae "Rachel" Freeman, is given to a senior with a cumulative GPA of 2.67 who has demonstrated commitment to bettering the lives of others, leading through examples of service, and the ability to work with others to create social change. The award is presented annually at the Division of Student Affairs Senior Excellence Luncheon.

Pat Leonard Senior Medallion Award (Seniors Graduating in May or December)

The Pat Leonard Senior Medallion Award is the most prestigious award presented by the Division of Student Affairs on behalf of the university community. The award was renamed in 2021 to honor Pat Leonard, the late Vice Chancellor for Student Affairs, and her 37 years of exemplary service to UNCW. Recipients must be in good standing with the university and possess a minimum cumulative GPA of 3.0. The award is presented annually at the Division of Student Affairs Senior Excellence Luncheon.

The Carolyn Elizabeth (Lizzy) Duffy Student Sustainability Award

The Duffy Student Sustainability Award is presented to one student who has been at UNCW at least one semester during the academic year. The recipient must be in good standing with the university and have a minimum 3.0 GPA. The Carolyn Elizabeth (Lizzy) Duffy Student Sustainability Award was created in March of 2015 to honor the efforts of Lizzy, particularly for spearheading the proposal for The Green Initiative Fund, which brought support, resources and visibility to sustainability at UNCW. The scholarship is presented annually at the Division of Student Affairs Cornerstone Awards Banquet.

The Walter Schmid Physics Award

This award has been established in honor of the late Walter Schmid, engineer and inventor, to reward a senior bachelor of science physics major for excellence in physics. The award consists of an engraved plaque and a physics encyclopedia.

UNCW Laureate Award (Sophomore or Junior)

The UNCW Laureate Award, inspired by the Nobel Peace Prize, is presented to one sophomore or junior student. The recipient must be in good standing with the university and possess a minimum cumulative GPA of 3.00. The scholarship is presented annually at the Division of Student Affairs

Cornerstone Awards Banquet.

William A. Bryan Senior Leader Award

Student Involvement and Leadership in the department of Campus Life, with the support of the Alumni Association, sponsors the William A. Bryan Senior Leader Award. The award is given to a senior with a cumulative GPA of 3.00 who has demonstrated outstanding leadership on campus and/or in the community. Special emphasis is placed on integrity, creativity, ability to collaborate, and service to others. The award is presented annually at the Division of Student Affairs Senior Excellence Luncheon.

Honor Societies at UNCW

Beta Alpha Psi

Beta Alpha Psi is a national scholastic and professional accounting fraternity. The primary objective of the fraternity is to encourage and give recognition to scholastic and professional excellence in the field of accounting. This includes promoting the study and practice of accounting; providing opportunities for self-development and association among members and practicing accountants; and encouraging a sense of ethical, social, and public responsibility.
Beta Alpha Psi was founded in 1919. The Iota Alpha chapter at UNCW was chartered in 1996 and is a registered student organization through the Campus Activities and Involvement Center.

Beta Beta Beta National Biological Honor Society

Beta Beta Beta (TriBeta) is a society for students, particularly undergraduates, dedicated to improving the understanding and appreciation of biological study and extending boundaries of human knowledge through scientific research. Since its founding in 1922, more than 175,000 persons have been accepted into lifetime membership, and more than 430 chapters have been established throughout the United States and Puerto Rico. TriBeta is a registered student organization through the Campus Activities and Involvement Center.

Gamma Sigma Epsilon

Gamma Sigma Epsilon, a national honorary chemical society, was founded at Davidson College on December 19, 1919. The society recognizes academic excellence in chemistry and fosters a more comprehensive and cooperative study of chemistry and related scientific disciplines. The organization now has 35 active chapters in 22 states, and is growing rapidly. The Alpha Epsilon chapter was established at UNCW in 2001. Eligibility for membership includes junior or senior

standing, a 3.35 GPA on at least 30 hours of chemistry courses, and a 3.35 GPA.

Kappa Delta Pi International Honor Society in Education

Kappa Delta Pi International Honor Society in Education is committed to recognizing excellence and fostering mutual cooperation, support, and professional growth for educational professionals.

Lambda Pi Eta Honor Society

Lambda Pi Eta is the official communication studies honor society of the National Communication Association (NCA). As a member of the Association of College Honor Societies (ACHS), LPH has over 400 active chapters at four-year colleges and universities worldwide. LPH was founded in 1985 at the University of Arkansas. LPH became a part of the National Communication Association (NCA) in 1988, and the official honor society of the NCA in July 1995. LPH is a registered student organization through the Campus Activities and Involvement Center.

Omicron Delta Epsilon Economics Honor Society

Omicron Delta Epsilon was founded by Professor John R. Commons at the University of Wisconsin in 1915. Its objectives include conferring distinction for high scholastic achievement in economics and stimulating and promoting student interest in all aspects of economics. ODE is a registered student organization through the Campus Activities and Involvement Center.

Omicron Delta Kappa Society, Inc.

Omicron Delta Kappa (ODK) is the National Leadership Honor Society that recognizes and encourages superior scholarship, leadership, and exemplary character. Membership in ODK is a mark of the highest distinction and honor.

The society recognizes achievements in scholarship; athletics; campus or community service; social, religious activities, and campus government; journalism, speech and mass media; and the creative and performing arts. Emphasis is placed on the development of the whole person, both as a member of the college community and as a contributor to a better society. ODK is a registered student organization through the Campus Activities and Involvement Center.

Order of Omega

Order of Omega is a leadership honor society for members of Greek-letter organizations. Order of Omega recognizes juniors and seniors who have exemplified high standards in the areas of scholarship, leadership, involvement within their respective organization, and within the Greek, campus, and local communities. Members are selected from the top 3 percent of fraternity and sorority members at each institution. To date, over 500 chapters have been chartered throughout North America, each sharing the common goal of recognizing the many outstanding student

leaders at their institution.

Phi Alpha National Honor Society in Social Work

Phi Alpha is a nationally recognized honor society for both undergraduate and graduate students majoring in social work. Founded in 1960, Phi Alpha now includes over 225 chapters. The Eta Omega Chapter of Phi Alpha was established at UNCW in 1998. The society recognizes students for excellence in scholarship and achievement in the field of social work. Eligibility for membership requires students to major in a CSEW-accredited social work program, have completed 9 semester hours of social work courses, achieved a minimum social work GPA of 3.25, and a minimum overall GPA of 3.00. Phi Alpha is registered as a student organization through the Campus Activities and Involvement Center.

Psi Chi National Honor Society in Psychology

Psi Chi is the national honor society in psychology. It was founded in 1929 in New Haven, Connecticut, to encourage, stimulate and maintain excellence in scholarship, and to advance the science of psychology. Psi Chi is an affiliate of the American Psychological Association and a member of the Association of College Honor Societies. The University of North Carolina Wilmington Chapter of Psi Chi was chartered on May 1, 1981, and is one of approximately 675 chapters nationwide. Psi Chi is registered as a student organization through the Campus Activities and Involvement Center.

A further list of academic honor societies with verified chapters at UNCW may be found at https://www.uncw.edu/aa/Academic_Honor_Societies.html

Chancellor's List and Dean's List

Each semester, outstanding scholarship is recognized in the following tiered manner:

Chancellor's List

The Chancellor's List is composed of the names of all full-time undergraduates who earn a 4.0 semester GPA on all work taken. Eligibility for this designation will be determined once all grades for the semester have been posted and any incomplete or IP grades have been converted.

Dean's List

The Dean's List is composed of the names of all full-time undergraduates who earn at least a 3.5 semester GPA on all work taken with no grades "B-" or below. Eligibility for this designation will be determined once all grades for the semester have been posted and any incomplete or IP grades have been converted.

Catalogue Change: 7/1/2025
Following the approval of Faculty Senate Motion No. 2025-05-02 and subsequent endorsement by the chancellor, a Dean's List and Chancellor's List have been established to recognize outstanding academic achievement. This update was added to the Student Awards and Honor Societies section of the catalogue after its original publication.

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Vacant — *Director of Advancement Communications*

Catalogue Change: 7/1/2025

Dr. Rob Burrus was asked to serve as the Interim Provost and Vice Chancellor for Academic Affairs, effective July 1, 2025. At the time of publication, the role of Provost and Vice Chancellor for Academic Affairs was held by Dr. James Winebrake.

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Katie Crosby,, M.Ed. — *Director of Development, Major Gifts, CHSSA*
Dawn B. Carter, B.A. — *Director of Development, Major Gifts, WCE*
Megan P. Gorham, M.B.A. — *Director of Corporate and Foundation Engagement*
Lindsay Crighton, M.A. — *Senior Director of Development, Major Gifts, CSE*
Kelly Wilson, M.P.A. — *Director of Development, Major Gifts, CHHS*
Tim McClain, B.S. — *Director of Development, Legacy Gift Planning*

Adam Fearing, M.A. — *Associate Athletics Director for Development*
Ellie Barker, M.P.A. — *Director of Annual Giving*
Paris Roebuck, B.S. — *Development Officer for Alumni Giving*
Vacant — *Director of Advancement Communications*

Catalogue Change: 7/29/2025
Following the appointment by the Interim Provost, Dr. Jennifer Fernandez-Villa was asked to serve as the Interim Associate Provost for Global Partnerships and International Education (GPIE), a seat previously vacant at publication time.

About the University

Edit to:

Mr. Earl F. "Hugh" Caison II, *Chair*
The Hon. Aldona Z. Wos, M.D., *Vice Chair*
Mr. Jeffrey D. Clark, *Secretary*

Board of Trustee Members:

Ms. Traci L. Butler
Ms. Frances "Perry" Chappell
Mr. Stephen E. Griffin
Ms. Karen K. King
Dr. Yousry Sayed
Mr. Dane Scalise
Ms. Carrie B. Shields
Dr. Jimmy T. Tate
Mr. Luke Waddell
Mr. Skyler Stein, President of Student Government Association

Catalogue Change: 8/4/2025
Following the July meeting of the University of North Carolina Wilmington Board of Trustees, new appointments were made for the positions of chair, vice chair, and secretary, along with the removal/addition of several new board members. These updates have now been reflected in the publication, as the appointments had not been finalized at the time of publication.

The Campus & Student Life

Edit to:
The Office of Title IX and Clery Compliance is committed to providing an inclusive and welcoming environment for all students, faculty, staff, and visitors. All members of the UNCW community are expected to engage in conduct that contributes to its culture of integrity and honor that we always strive to maintain. The university prohibits its faculty, staff and students from engaging in any form of discrimination, protected-status harassment, sexual harassment, and sexual violence, and retaliation and expects these individuals to refrain from committing acts of discrimination, bias, or sexual violence. In compliance with federal and state law and university policy, the university maintains processes to provide redress and remediation to individuals or groups who believe they have been victims of these offenses. If you have any questions or need assistance, please stop by the Office of Title IX and Clery Compliance in DePaolo Hall Room 1003 or call 910-962-2937, email: titleix@uncw.edu. You may also visit: https://www.uncw.edu/titleix/ for more information and links to the relevant policies.

CARE: Campus Advocacy, Resources and Education

CARE: Campus Advocacy, Resources and Education is the office at UNCW dedicated to relationship education, interpersonal violence prevention and crisis response/advocacy. CARE offers education about relationship issues, including healthy relationship skill-building and consent, as well as prevention of interpersonal abuse and violence, sexual assault, stalking, exploitation and harassment. We offer confidential consultations, crisis counseling, advocacy, accompaniment and referrals to students, staff and faculty who have experienced victimization, as well as those students, faculty, staff or others concerned about a loved one affected by abuse or violence. CARE additionally offers educational programming, awareness-raising events and bystander intervention trainings. CARE is available 24 hours a day through our hotline at (910) 512-4821.
For more information, call (910) 962-CARE, or (910) 512-4821 after business hours, stop by our office in DePaolo Hall, Suite 103, or visit our Web site at www.uncw.edu/care.

Catalogue Change: 8/5/2025
Following an announcement made in August, CARE, formerly CARE: Collaboration

for Assault Response and Education, announced it new name as CARE: Campus Advocacy, Resources and Education, with the change taking affect during the 2025-26 Academic Year. Accordingly, this catalogue has been updated to reflect the change.

University Regulations

Edit to:
https://uncw.edu/myuncw/about/university-administration/academic-affairs/policies-guidelines/posthumous-degrees

A posthumous baccalaureate or graduate degree may be conferred upon a student who dies prior to but close to completion of all requirements of the degree being pursued. The University of North Carolina Wilmington awards such degrees in recognition of the academic achievement of the deceased student. In doing so it acknowledges the loss to the university, family and friends and extends to them the opportunity to share in the academic success of the deceased student.

To be eligible for the award of a posthumous degree, an undergraduate student generally must have met the following conditions:

- At the time of death, the student was enrolled in his/her senior year.
- The student was in good academic and disciplinary standing and was successfully progressing toward completion of requirements for the degree to be awarded. In particular, at the time of death the student had a 2.0 GPA or better, was within 15 credit hours of completion of all requirements or in the final term of completion of all their requirements, and had satisfied the university's Residency Requirement as described in University Regulations within the Undergraduate Catalogue.
- The student must have declared a major and completed at least one half of the requirements for the major that will be recorded on the diploma.

To be eligible for the award of a posthumous degree, a graduate student generally must have met the following conditions:

- At the time of death, the student was enrolled in good academic standing and had made significant progress toward academic requirements for earning the degree.
- For degrees requiring thesis, dissertation, or other creative/practicum activity, the student must have completed all course and other requirements pursuant to the degree and must have been near completion of the dissertation/thesis/equivalent product; and the student's committee must have determined the scholarship to be substantial work and worthy of the degree.
- For degrees requiring primarily coursework, the student should have completed at least 90 percent of academic requirements for earning the degree. This is typically in the last two

semesters or year of study.

- In cases where requirements for awarding a doctorate have not been met, a master's degree could be awarded if an appropriate master's degree exists within the student's home department/school, all requirements for the degree have been satisfied, and the action is supported by the student's committee.

Approval Process

The process for identifying and considering candidates for the award of degrees posthumously shall be as follows:

1. Upon learning of the death of a University of North Carolina Wilmington student, the Vice Chancellor for Student Affairs (or designee) will notify the relevant dean.
2. The dean shall ascertain the academic and disciplinary standing of the student. The dean's office will work with the department chair. The departmental faculty, department head and dean will determine if the student's overall record merits further consideration and if recommendation that the posthumous award be granted; such information will be communicated to the Provost.
3. The Provost will weigh all the information relating to each case independently and will prepare a recommendation to the Chancellor. If the Chancellor supports the recommendation, it will be presented to the Board of Trustees for final approval.
4. If the Board of Trustees approves, the Chancellor's Office will notify the Registrar.

Awarding of Posthumous Degrees

Upon approval by the Board of Trustees, the following procedure will be followed:

1. The family of the deceased will be notified of the approval by the Vice Chancellor for Student Affairs (or designee).
2. The degree will be conferred at a future commencement exercise determined by the Provost and Vice Chancellor for Student Affairs.
1. Names of all recipients of posthumous degrees will be listed separately, along with degree and major, in the commencement program.
2. Special recognition of these students will be made by the Chancellor just prior to the individual recognition of all degree candidates present at the ceremony.
3. Families who choose to attend commencement activities will be provided reserved seating and the Chancellor will note their presence as he or she recognizes the posthumous degree recipients.
4. A diploma will be provided to the families who choose to attend commencement activities or mailed to families who choose not to participate.
3. The posthumous nature of the award will be indicated on the diploma, the student's permanent

record and in the commencement program.
4. If the major department does so certify, the Registrar shall enter final grades of "P" in classes in which the student was enrolled.

Extraordinary Circumstances

Exceptions to these guidelines may be made when the student's death occurred during or as a result of participation in university-sponsored activities, or when chronic illness prevented current enrollment.
Exceptions may also be considered when extraordinary circumstances prevail. For example, the student died while carrying out a heroic deed, or while performing outstanding service to the University or community, or after having completed an outstanding academic record, piece of original research, or creative project; and other exceptional cases. In such cases, appropriate justification should be prepared and presented as part of Step 2 of the Approval Process (above). All other approval steps remain the same.

DEGREES IN MEMORIAM

A Degree in Memoriam is a recognition provided to honor a deceased student's progress toward the degree. The Degree in Memoriam is not included in the official count of degrees.
For undergraduate and graduate degrees and certificates: Any student who was in good standing at the University at the time of their death and who does not meet the requirements necessary to be awarded a posthumous degree may be awarded a Degree in Memoriam. Degrees in Memoriam will read "Bachelor of Arts in Memoriam," "Bachelor of Science in Memoriam," "Master of Arts in Memoriam," "Doctor of Philosophy in Memoriam," etc., depending upon the degree the student was pursuing at the time of death. Undergraduate students who have not declared a major will be awarded the "Bachelor of Arts in Memoriam." The approval process for a degree in memoriam shall be the same as that for approval of a posthumous degree. Degrees in memoriam will be delivered to the student's family by the Division of Student Affairs.

Catalogue Change: 8/15/2025
University policy on posthumously awarded degrees and degrees in memoriam were updated after publication of this catalogue.

Watson College of Education

Edit to: Department of Early Childhood, Elementary, Middle, Literacy and Special Education
Edit to: Special Education, B.A. with Adapted Curriculum Licensure/Special Education, B.A. with General Curriculum Licensure
Catalogue Change: 9/3/2025
At the time of publication, the Special Education, B.A. was presented as a single degree with two distinct "tracts." However, these are technically separate degree programs. To provide more accurate information for both prospective and current students, the programs have now been formally divided into two separate degrees within the Department of Early Childhood, Elementary, Middle, Literacy, and Special Education, under the Watson College of Education.